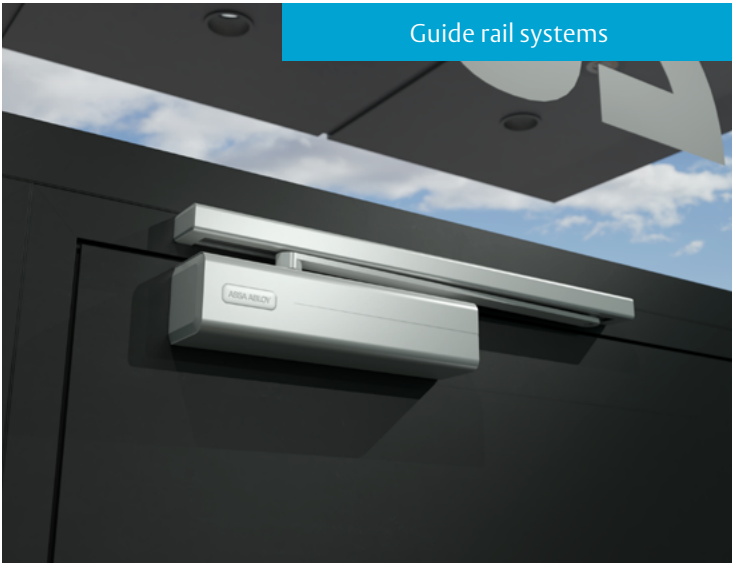


Guide rail systems



Double door and hold-open solutions



Concealed systems



Rack and pinion systems



Gate closers



Floor springs and transom closers



# Door Closers

Trusted, innovative solutions for any building

*Technical Catalogue*

**ASSA ABLOY**  
Opening Solutions

Experience a safer  
and more open world



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## Flexible, intelligent and adaptable



Boost  
user convenience



Increase  
building security



Improve  
energy efficiency



Install, maintain and  
upgrade easily



Keep existing  
building aesthetics





## Why does your building need door closers?

*Door closers do most of their work out of sight. Building users may not always notice them, but an effective door closer helps everyone to experience a more secure, comfortable building.*

### Why ASSA ABLOY? History, innovation and expertise

Our long history of innovation and expertise in door solutions helps us to design and manufacture door closers for every type of building – in more than 150 countries worldwide.

Advanced engineering and rigorous testing ensure we always deliver a door closer you can trust. Our entire range is fire door and relevant EN standard compliant – with high corrosion resistance and durability.

With an ASSA ABLOY solution, doors become comfortable to open. They provide more ergonomic operation for everyone who passes through.

**Your building is safer – protected against fire, smoke and unauthorized entry. It is a pleasure for everyone to use.**

### Door closers for almost any application

Our wide range of door closers are suited to indoor and outdoor use as well as for doors made from any material and for almost any application.

Door closers for interior doors generally require less closing force than door closers for exterior doors, which tend to be heavier.

In addition, door closers for external doors must resist climate and weather. Our door closers perform reliably even when your building entrance is impacted by extreme temperatures or heavy rain or snow.

The type of door closer for an internal door also depends on the application. Should the door close silently? Should the door closer be integrated invisibly with an inner door? Do you have to deal with a door which is part of a security system?

**There is an ASSA ABLOY door closer to meet your needs.**



Scan the QR code to watch our video about ASSA ABLOY Door Closers.

## Safety & convenience

Feel the difference with our innovative technologies



### Cam-Motion®: Open doors easily and comfortably

Doors equipped with door closers often require a high opening force, which creates barriers for the elderly, young and less-able.

Unlike a traditional rack and pinion door closer, our Cam-Motion technology does the heavy lifting, so building users don't have to.

With Cam-Motion, a door requires less effort to open and closes at a reduced speed. At the same time, doors close securely to work with your building's access control system and comply with fire and smoke protection regulations.



### Close-Motion®: Shut doors smoothly and quietly

In settings such as hospitals, hotels, schools and multi-residence blocks, doors should shut quietly as well as tightly.

Our Close-Motion door closers are equipped with an advanced damping function, to supplement the accessibility and security benefits of Cam-Motion technology. They help everyone sleep better and go about their daily business in peace.

Doors which close quietly and fully provide better soundproofing and reduce unwanted background noise.



### Free-Motion: Remove barriers from your building

Our Free-Motion door closers remove almost every mobility barrier around your building without sacrificing certified fire and smoke protection.

Combining Cam-Motion technology with free-swing function, Free-Motion door closers are designed for smooth opening with almost zero force. The door remains in free-swing mode until power is switched off – or when integrated with a fire system, if triggered by an emergency alarm.

Free-Motion door closers are ideal for equipping hospitals, kindergartens, schools and care homes.



Scan the QR code to learn more about our innovative technologies.



## Design & specification

Choose door hardware which meets your compliance and design needs

### Award-winning design

Every ASSA ABLOY door closer is designed to make an impression.

The whole portfolio has a distinctive look, characterized by unobtrusive lines, chamfered edges and colour harmony. Aesthetic consistency – for single or double doors – promotes clean, elegant interiors. Multiple finishes blend subtly with your room designs.

In recognition of its consistency and appeal, the range was named winner of the Iconic Awards: Innovative Architecture.



### Faster, easier specification

Our comprehensive portfolio makes door specification simpler and faster.

ASSA ABLOY supports the Building Information Modelling (BIM) process across its full range of door and access solutions. All door closer specification details can be delivered as BIM Objects and within ASSA ABLOY Openings Studio software, for time-saving integration with design packages such as Autodesk Revit and Graphisoft ARCHICAD.

Our door closer models share a common footprint, ensuring they are future-proofed and easy to upgrade at any time.

### Compliance with standards

With ASSA ABLOY door closer solutions, you don't need to worry about certification.

The full range is suitable for fire and smoke protection doors, tested and certified in compliance with EN 1154, EN 1155 or EN 1158.

Our Cam-Motion door closers fulfil barrier-free building requirements according to CEN/TR 15894.

Their Environmental Product Declaration (EPD) is third-party verified according to ISO 14025 and EN 15804.



CE marking  
for building  
products



Suitable for  
fire / smoke  
doors



Barrier-free  
according to  
CEN/TR 15894



Third-party  
verified EPD



UL listed

## Installation & maintenance

Make installation more efficient  
and save time and money



Scan the QR code to watch our door closer technical videos and access all door closer installation videos. Individual QR codes linking to the installation videos can also be found on product labels and installation instructions.



### Install door closers faster

The symmetric cam design allows every Cam-Motion door closer to fit in any of four mounting positions: to the door leaf or frame, push or pull side.

A grooved spindle with up to 14 mm height adjustment offers flexibility and compensates installation mistakes. Torx screws as standard provide greater durability and allow more adjustments during installation and in the future.

Drilling templates and easy-to-follow videos further help to fit ASSA ABLOY door closers faster.

### Adjust easily to maintain performance

All our door closers are engineered to minimize maintenance.

Cam-Motion door closers have front-facing valves, enabling latch and closing speeds to be set independently and easily. Valves have metal heads which are durable and thermo-resistant: Once all door speeds are set, they stay set – even at extreme temperatures.

Backcheck functionality minimizes the need for building maintenance.

### Upgrade without replacing doors

An ASSA ABLOY door closer provides a genuinely future-proof solution for safe, convenient door opening and closing.

Its universal concealed mounting plate and the same fixing positions across all core models puts in place an easy upgrade path: You can change door closers or alter the use of an opening at any time, without damage to your doors or frames.

The range's consistency and universal parts make life easier for stockists, ensuring spares are available as soon as you need them.

## Door closer adjustments

Door closer adjustments allow you to customize the operation of the door closer to suit your specific needs. By adjusting the closing speed, latch speed, delayed closing, and backcheck, you can tailor the door closer's functionality to match the requirements of the door, the environment, and the building users.

### Closing speed

Closing speed adjustment controls the speed at which the door closes after it has been opened. It allows you to regulate the rate at which the door closes, ensuring a smooth and controlled closing motion. By adjusting the closing speed, you can prevent the door from slamming shut or closing too slowly.

### Latch speed

Latch speed adjustment controls the speed at which the door closes in the last few degrees of opening angle before it latches. This adjustment is important for ensuring that the door closes securely and latches properly without causing any damage or noise.

### Backcheck

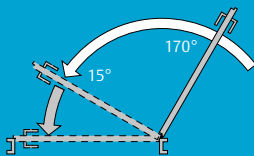
Backcheck adjustment controls the resistance offered by the door closer when the door is opened forcefully or swung open with excessive speed. It provides resistance to prevent the door from slamming against the adjacent wall or other objects, reducing the risk of damage to the door, frame, or surrounding area.

### Delayed closing

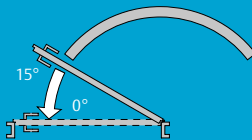
The delayed closing feature allows for a certain amount of time before the door starts closing after it has been opened. This adjustment is useful in situations where you need extra time to pass through the doorway or when multiple people are entering or exiting the door in quick succession.



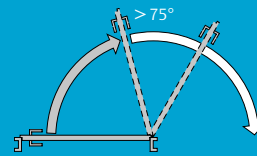
### Adjustment functionality



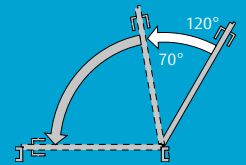
Closing speed



Latch speed



Backcheck



Delayed closing





## Door closer standards which are critical for compliance and building safety

*In many countries fire, smoke and escape doors may only be equipped with door closer systems which are certified. Compliance is required by law. The key standards are EN 1154, 1155 and 1158. These certifications incorporate multiple performance measures for three different types of closing mechanism. ASSA ABLOY offers approved door closers which meet all these standards – including fire and smoke protection.*

### **EN 1154**

This standard, which is a mandatory requirement for CE marking, specifies the test method and subsequent classification for controlled door closing devices, including those for fire and smoke protection doors.

Designed for use on swing doors, the door closer provides controlled closing from energy provided by the user when opening the door.

### **EN 1155**

This additional, related standard applies to electromechanical or electromagnetic standalone hold open devices and to door closers with built-in hold-open functionality.

These devices harness electrical power to offer the option to hold a door open for convenience. In the event of an electricity supply cut, the door must release and fully close. For such devices, testing is usually required for both EN 1154 and EN 1155 criteria.

### **EN 1158**

A further certification applies to devices which control closing for rebated double doors. These requirements apply to both standalone, side-mounted door coordination devices and to coordination mechanisms which are integrated into the door closer itself. Annex A applies where a double-door coordinator must regulate closing for a fire/smoke protection door.

### **EN 1634-1**

This standard specifies the testing methods for fire-resistant doors – including door closers. Compliance with the standard ensures that the door closer can be used on a fire door.

### **CEN/TR 15894**

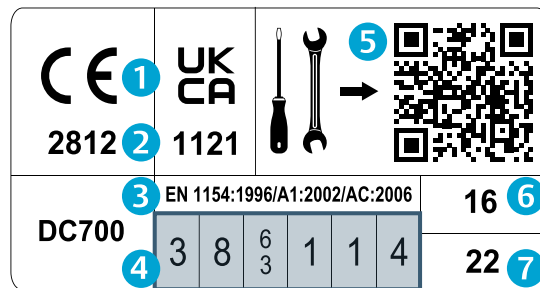
The aim of this technical report is to ensure designs for safer, more reliable and more convenient use of doors for residents in buildings, placing particular focus on children, the elderly and the disabled. It recommends that door closers offer a rapidly decreasing opening force. The force a user would have to apply to open the door should reduce by 40% when an opening angle of 60° is reached.

# How to read the CE classification coding

Rigorous testing in line with EN 1154 produces a detailed certification code. This coding makes it easier to compare the performance of different models. It covers power size, fire behaviour, durability, corrosion resistance and more.

Certifications and CE classification codes are clearly marked on both technical datasheets and on products themselves.

## Door closer product label



- 1) CE/UKCA mark
- 2) Number of notified certification body
- 3) EN standard, number and issue date
- 4) CE classification
- 5) QR code with link to installation video
- 6) Year of issue for CE mark
- 7) Year of issue for UKCA mark

## EN 1154 coding system

Category of use	Durability	Door closer power size	Fire behavior	Safety	Corrosion resistance
<b>Grade 3:</b> For closing doors from at least 105° open  <b>Grade 4:</b> For closing doors from 180° open	<b>Grade 8:</b> 500,000 test cycles  <i>Note: Only one durability grade is identified for door closers manufactured to this standard</i>	Seven door closer power sizes are identified according to table below.  Where a door closer provides a range of power sizes both minimum and the maximum sizes should be identified.	<b>Grade 0:</b> Not suitable for use on fire/smoke door assemblies  <b>Grade 1:</b> Suitable for use on fire/smoke door assemblies	<b>Grade 1:</b> Satisfies the safety-in-use requirements contained in the "Construction Products Directive" issued by the EU  <i>Note: Door closers are required to satisfy the essential requirement of safe use</i>	<b>Grade 0:</b> No defined corrosion resistance  <b>Grade 1:</b> Mild resistance (24 hours)  <b>Grade 2:</b> Moderate resistance (48 hours)  <b>Grade 3:</b> High resistance (96 hours)  <b>Grade 4:</b> Very high resistance (240 hours)

## EN 1154 door closer power sizes

Door closer power size	Recommended door leaf width mm max.	Closing torque between 0° and 4°		Opening torque between 0° and 60° Nm max.
		Nm min.	Nm max.	
1	750	9	13	26
2	850	13	18	36
3	950	18	26	47
4	1,100	26	37	62
5	1,250	37	54	83
6	1,400	54	87	134
7	1,600	87	140	215

# Door Closer Product Overview

Choose the right solution for your needs

		Surface mounted door closers												
		DC700	DC700G-CM	DC700G-FM	DC700G-FT	DC640	DC500	DC347	DC340	DC300	DC200	DC175	DC140	DC135
Arm system	Guide rail	■	■	■	■	■	■	■	■	■	■	■	■	■
	Link arm					■		■	■	■	■	■	■	■
Technology	Cam-Motion	■	■	■	■		■					■		
	Rack and pinion					■		■	■	■	■	■	■	■
Special applications	Free-swing mode (resistance-free opening)			■		■								
	Damping unit (noise-free closing)		■											
	Integrated electric strike for escape routes				■									
Feature	Mechanical hold-open device for guide rail	□						□		□	□		□	□
	Mechanical hold-open link arm								□	□	□		□	
	Hold-open floor spring													
	Hold-open angle	80°-130°					80°-130°		80°-130° 75°-120°	80°-130° 75°-120°	75°-120°	50°-100°	75°-120°	80°-130°
	Maximum opening angle depending on product variant and/or installation	~180°	~170°	~170°	~170°	~180°	~170°	~180°	~180°	~180°	~180°	~160°	~180°	~180°
Closing force	Adjustable force	■	■	■	■	■	■	■	■	■	■	■	■	■
	EN1 (≤ 750 mm)								□	□				
	EN2 (≤ 850 mm)								■	□	■		■	
	EN3 (≤ 950 mm)	■	■	■	■	■	■		■	■	■	■	□	■
	EN4 (≤ 1100 mm)	■	■	■	■	■	■		■	□	■	■	□	
	EN5 (≤ 1250 mm)	■	■	■	■	□		■	□	□			□	
	EN6 (≤ 1400 mm)	■	■	■	■	□		■	□	□				
Door type	EN7 (≤ 1600 mm)							■						
	Fire protection doors only for ≥EN3 and not for mech. hold-open variants	■	■	■	■	■	■	■	■	■	■	■	■	■
	Exterior doors	■	■		■			■	□	■				
	Single-leaf doors	■	■	■	■		■	■	■	■	■	■	■	■
	Single-leaf doors with electro-mechanical hold-open device (EN 1155)	■			■									
	Double-leaf doors (EN 1158)	■	■	■	■									
	Double-leaf doors with electro-mechanical hold-open device (EN 1155 / EN 1158)	■												
	Double action doors													
Mounting and adjustment	Glass doors	■					■			■	■			
	Suitable for left- and right-handed doors	■	■	■	■	■	■	■	■	■	■	■	■	■
	Mounting options	Leaf/frame Hinge/non-hinge side	Leaf Hinge side	Leaf/frame Hinge/non-hinge side	Leaf Hinge/non-hinge side	Leaf/frame Hinge/non-hinge side	Leaf/frame Hinge/non-hinge side	Leaf/frame Hinge/non-hinge side	Leaf/frame Hinge/non-hinge side	Leaf/frame Hinge/non-hinge side	Leaf/frame Hinge/non-hinge side	Leaf/frame Hinge/non-hinge side	Leaf/frame Hinge/non-hinge side	Leaf/frame Hinge/non-hinge side
	Four mounting options with one product	■					■					■		
	Adjustable closing speed	■	■	■	■	■	■	■	■	■	■	■	■	■
	Adjustable latch speed	■	■	■	■	■	■	■	■	■	■	■	■	■
	Adjustable backcheck	■	■	■	■	■	■	■	■	■	■	■	■	■
	Delayed closing	□							□	□				
	Height adjustable spindle (0-14 mm)	■	■	■	■	■	■	■	■	■	■	■	■	■
	Spindle extension													
Standard	EN 1154	■	■	■	■		■	■	■	■	■	■	■	■
	EN 1155	■		■		■								
	EN 1158	■	■	■	■									
	CEN/TR 15894	■	■	■	■	□	■	■	□	□	■	■	■	■

■ = yes □ = yes, but not for all product variants

		Concealed door closers					Floor springs							
DC120	DC110	DC860	DC840	DC830U	DC826	DC824U	DC477	DC475	DC450EA	DC450	DC410U	DC611		
■		■	■	■	■	■							Guide rail	Arm system
■	■												Link arm	
		■	■	■			■	■	■	■	■	■	Cam-Motion	Technology
■	■				■	■							Rack and pinion	
													Free-swing mode (resistance-free opening)	Special applications
													Damping unit (noise-free closing)	
													Integrated electric strike for escape routes	Feature
		□	□		□								Mechanical hold-open device for guide rail	
□	□												Mechanical hold-open link arm	
							□	□	□	□	□	□	Hold-open floor spring	Hold-open angle
75°-120°	75°-120°	80°-120°	80°-120°		50°-100°		90°/105°	90°/105°	90°/105°	90°/105°	90°	90°/105°		
~180°	~180°	~120°	~120°	~120°	~120°	~135°	~140°	~175°	~170°	~130°	~130°	~170°	Maximum opening angle depending on product variant and/or installation	Closing force
		■	■	■		■	■	■					Adjustable force	
		■	■	■		■	■	■					EN1 (≤ 750 mm)	
■	■	■	■	■	■	■	■	■	■				EN2 (≤ 850 mm)	
□	■	■	■	■	■	■	■	■	■	■			EN3 (≤ 950 mm)	
□	■	■	■	■	■	■	■	■	■	■	■		EN4 (≤ 1100 mm)	
		■						■					EN5 (≤ 1250 mm)	
								■					EN6 (≤ 1400 mm)	
													EN7 (≤ 1600 mm)	Door type
■	■	■	■	■	■	■	■	■	■	■		■	Fire protection doors only for ≥EN3 and not for mech. hold-open variants	
		■					■	■	□	■	■	□	Exterior doors	
■	■	■	■	■	■	■	■	■	■	■	■	■	Single-leaf doors	
		■											Single-leaf doors with electro-mechanical hold-open device (EN 1155)	
		■											Double-leaf doors (EN 1158)	
		■											Double-leaf doors with electro-mechanical hold-open device (EN 1155 / EN 1158)	
							■	■	■	■	■	■	Double action doors	Mounting and adjustment
							■	■	■	■	■	■	Glass doors	
■	■	■	■	■	■	■	■	■	■	■	■	■	Suitable for left- and right-handed doors	
Leaf/frame Hinge/non-hinge side	Leaf Hinge/non-hinge side	Concealed into door leaf	Concealed into door leaf	Concealed into door leaf	Concealed into door leaf	Concealed into door leaf	Within cement box	Within cement box	Within cement box	Within cement box	Within cement box	Concealed into transom profile	Mounting options	
													Four mounting options with one product	
■	■	■	■	■	■	■	■	■	■	■	■	■	Adjustable closing speed	
■	■	■	■	■	■	■	■	■	■	■	■	■	Adjustable latch speed	
■													Adjustable backcheck	
													Delayed closing	
													Height adjustable spindle (0-14 mm)	
		■	■				■	■	■	■		■	Spindle extension	
■	■	■	■		■		■	■	■	■		■	EN 1154	Standard
		■											EN 1155	
		■											EN 1158	
		■	■				■	■	■	■		■	CEN/TR 15894	
				■		■							UL 228/ULC-S133, UL 10C	



# Cam-Motion® Guide Rail Door Closers

Open doors easily and comfortably

*Cam-Motion technology creates a rapidly decreasing opening force without losing fire or smoke protection compliance. Guide rails, as opposed to link arms, are often considered more aesthetically pleasing and certainly more practical and less prone to vandalism and ligature.*





## Cam-Motion® Guide rail solutions

### Feel the difference

Doors equipped with Cam-Motion door closers are easier and more comfortable to open.

They require less effort for everyone who passes through them. Unlike traditional rack and pinion door closers, Cam-Motion does the heavy lifting – so building users don't have to.

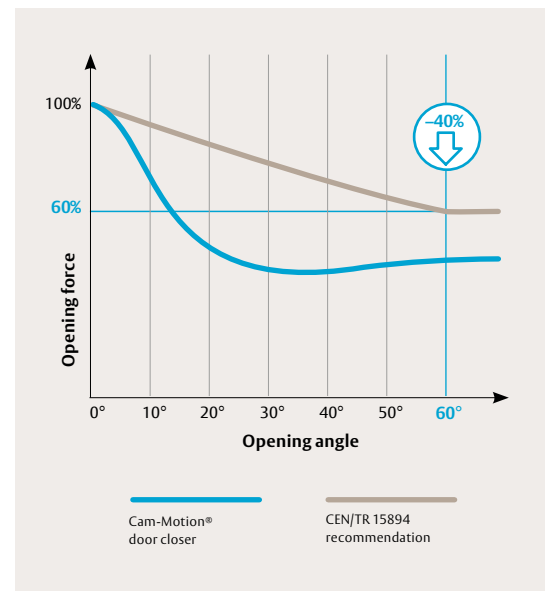
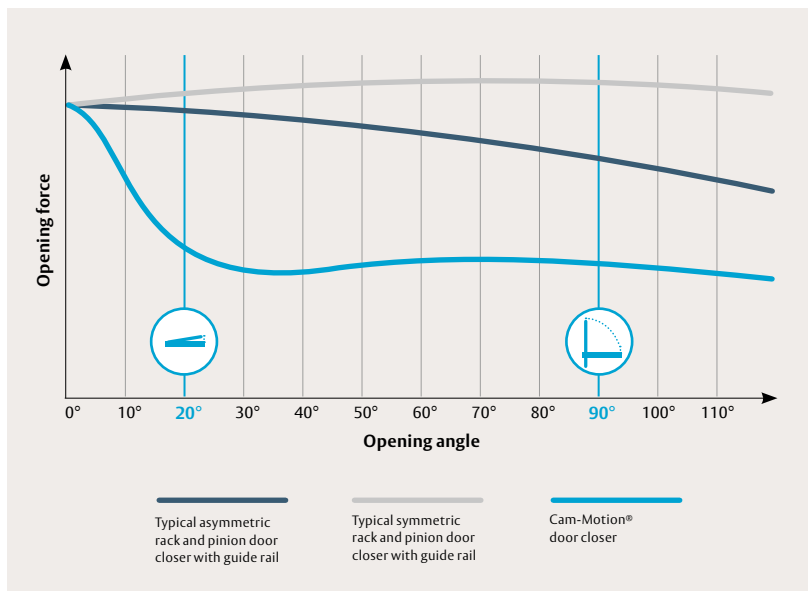
Compared to rack and pinion door closers with guide rail, you do not have to push as hard with a Cam-Motion closer. It is easier on your arms – and built for the natural power of the human elbow. Especially for younger children, elderly and the less-able, opening a door is easy and comfortable.

Our Cam-Motion solutions also offer enhanced functionality, including electro-mechanical securing of fire and smoke protection doors with reliable, automatic closing.

An optional smoke detector seamlessly integrated into the guide rail, safely monitors electromechanically secured doors and quickly closes them in the event of an emergency.

Optional fixed hold open or over-ridable hold open systems ensure double-leaf doors are safely closed in the correct order – the inactive leaf first followed by the active leaf.

When you open a door fitted with a Cam-Motion door closer, the force required to open the door drops quickly, exceeding the requirements of CEN/TR 15894 for barrier-free access.



## DC700

Door closer with Cam-Motion® technology and guide rail – for single leaf doors, size 3-6



DC700 with guide rail G195, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

The DC700 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort.

- Certified in compliance with EN 1154, size 3-6
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1400 mm width
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Brown, similar to RAL 8014
- Black, similar to RAL 9005
- Stainless steel, design & full cover
- Customized colours on request

### Features

- Symmetric cam design allows 4 mounting options
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas
- Optional delayed closing allows more time for a user to pass through the door
- Simplified stock management with universal parts and adaptable solutions

### Product variants

- **DC700DA** with delayed closing variable from 120° to 70°, adjustable from front
- **DC700AC** with opening angle of 180° for standard installation on hinge side

### Guide rails and accessories

- **G195** height-adjustable guide rail (2 mm) with concealed fastening screws
- **G193** standard guide rail with visible fastening screws
- **A152** mechanical hold-open device with adjustable hold-open force, keeps doors open at an angle between 80° and 130° (not approved for use on fire and smoke protection doors)
- **A153** mechanical opening damper, continuously adjustable up to an opening angle of max. 130° (does not replace door stop)
- **A120** mounting plate for door closer
- **A124** replacement plate for renovation applications
- **A130** mounting plate for guide rail
- **A136** mounting plate for guide rail, non-hinge side
- **A104** angle bracket for guide rail
- **A166** glass door shoe for mounting the door closer on a solid glass door
- **A190** screening plate for doors with narrow profiles and glass filling as cover of the back of the door
- **A176** universal drilling gauge

### Four mounting options with one product



Leaf mounting on hinge side



Frame mounting on hinge side



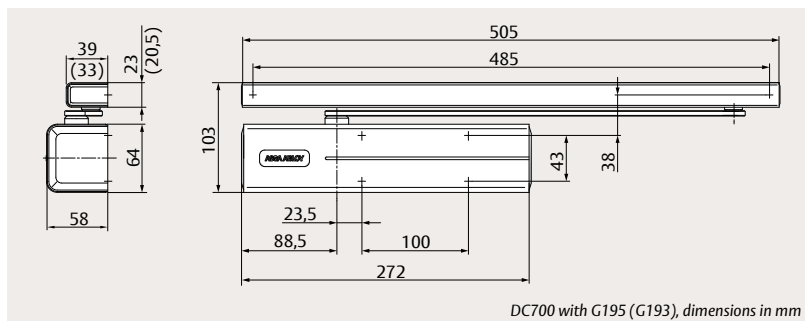
Leaf mounting on non-hinge side



Frame mounting on non-hinge side

# DC700

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 3-6
<b>Maximum leaf width</b>	1400 mm
<b>Closing speed (C)</b>	Variable between 170° and 10°
<b>Latch speed (L)</b>	Variable between 10° and 0°
<b>Backcheck (B)</b>	Variable above 75°
<b>Delayed closing (D)</b>	Variable between 120° and 70° (only for DC700DA)
<b>Maximum opening angle</b>	~170°/125° (hinge side / non-hinge side) ~180° for DC700AC
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf or frame mounting Hinge or non-hinge side
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 4 (240 hours)
<b>Dimensions (H x D x L)</b>	64 x 58 x 272 mm



Visit [assaabloy.com](http://assaabloy.com) to download all relevant product literature

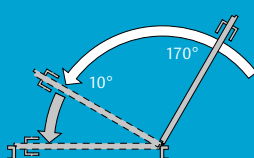


### Certification and testing

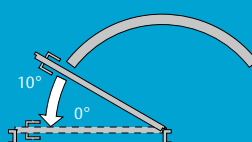
<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	3   8   3-6   1   1   4 4   8   3-6   1   1   4 (DC700AC)
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
<b>Third-party verified EPD</b>	ISO 14025, EN 15804



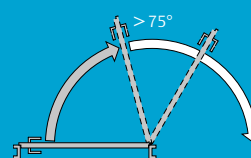
### Independent adjustment via front-facing valves



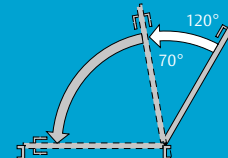
Closing speed (C)



Latch speed (L)



Backcheck (B)



Delayed closing (D)\*

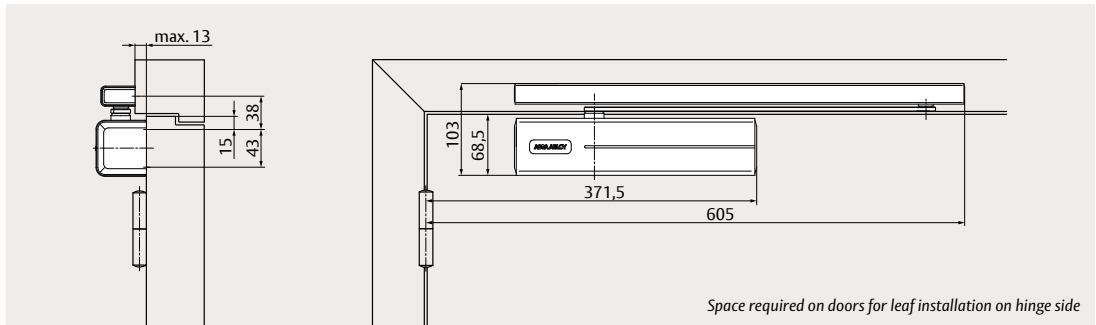
\*only for DC700DA

# DC700

## Space requirement and mounting dimensions



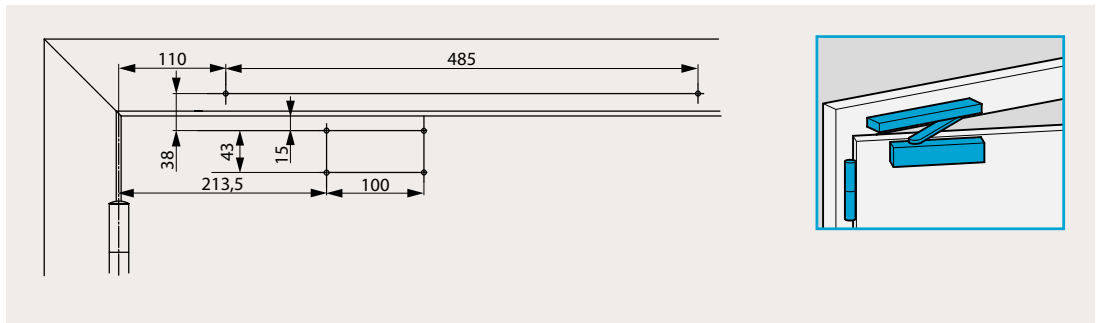
Scan the QR code to watch the installation video



Space required on doors for leaf installation on hinge side

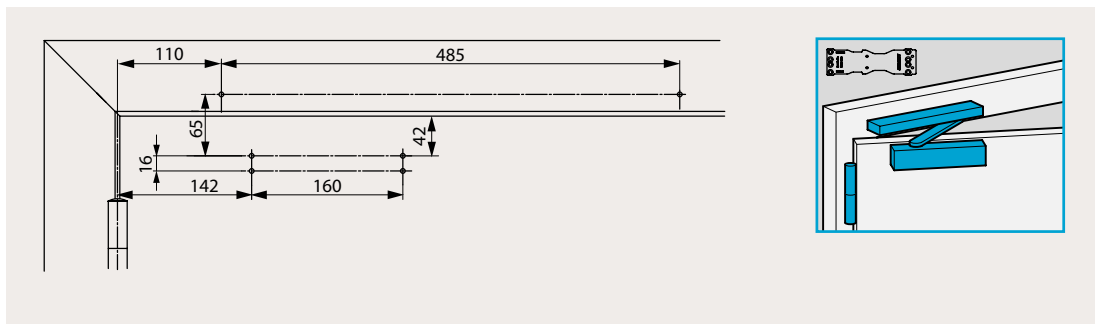
### Direct leaf mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



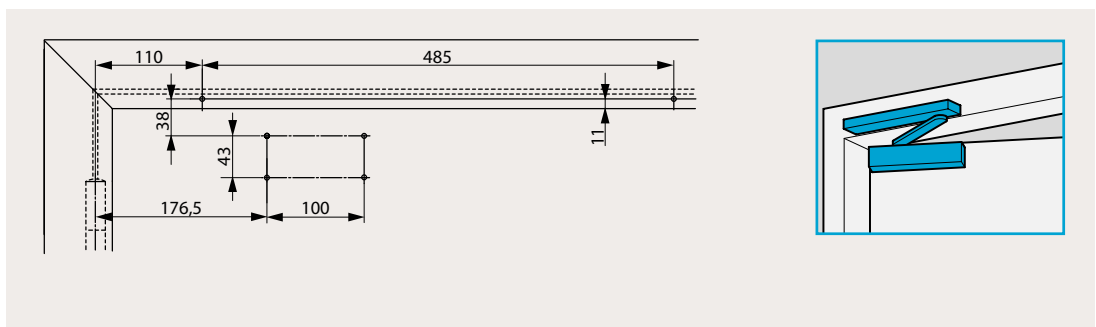
### Mounting plate leaf mounting on hinge side; in compliance with DIN EN 1154, supplement 1

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



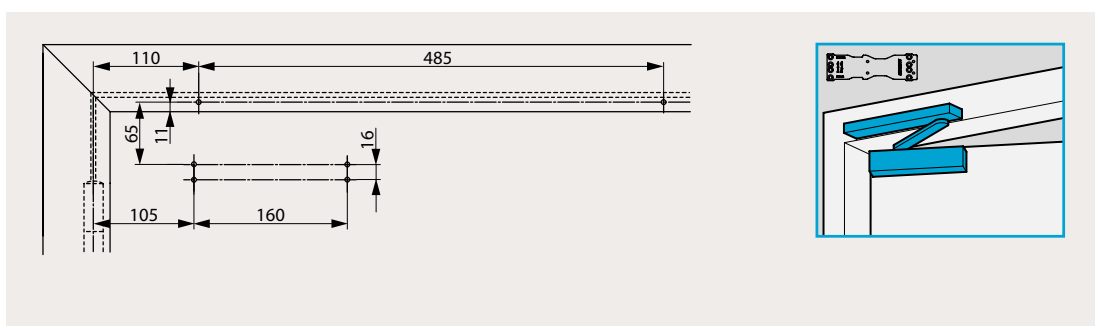
### Direct leaf mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



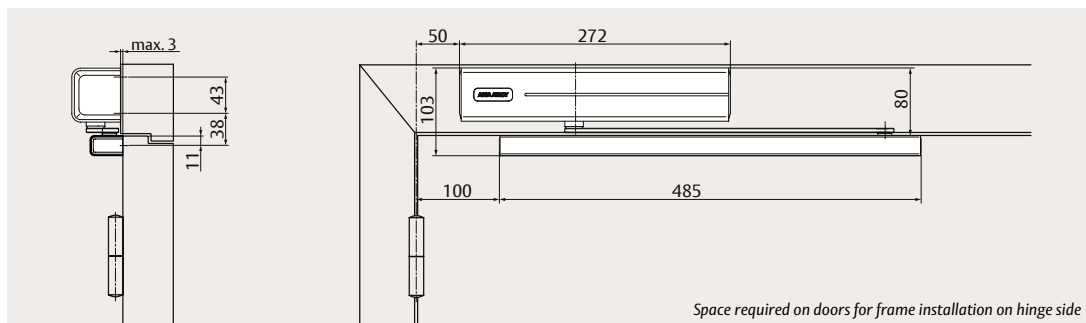
### Mounting plate leaf mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



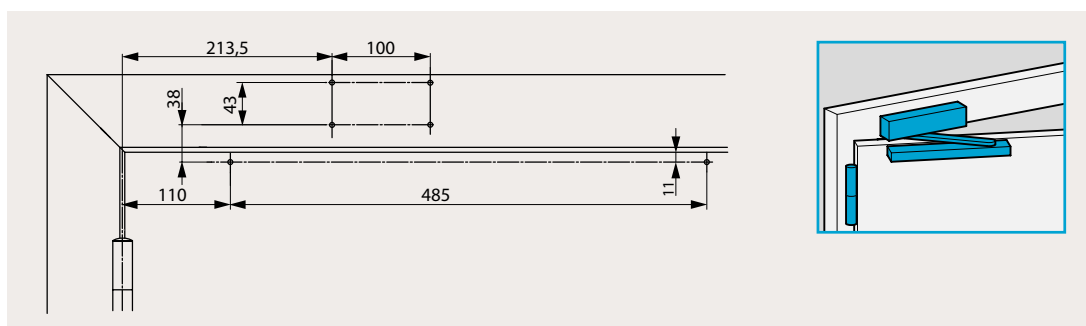
# DC700

## Space requirement and mounting dimensions



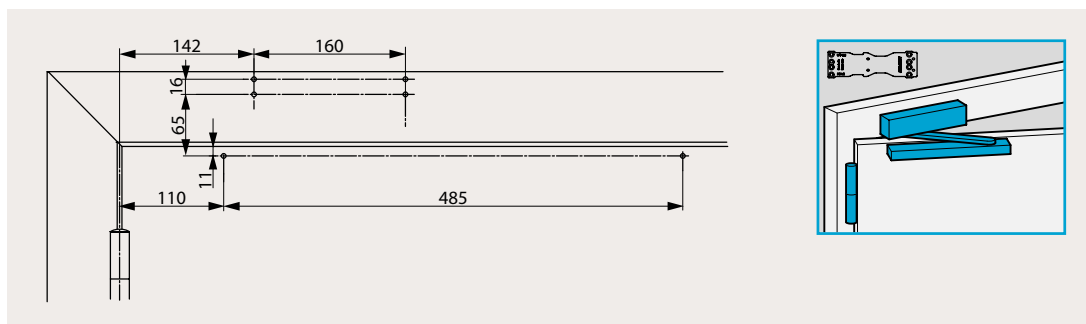
### Direct frame mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



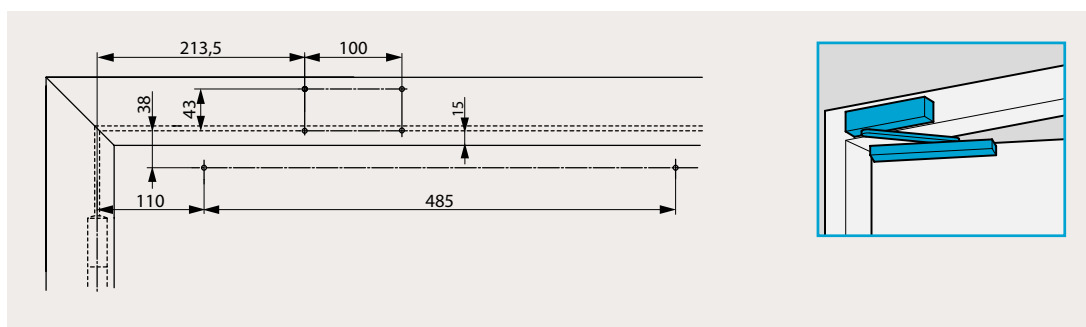
### Mounting plate frame mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



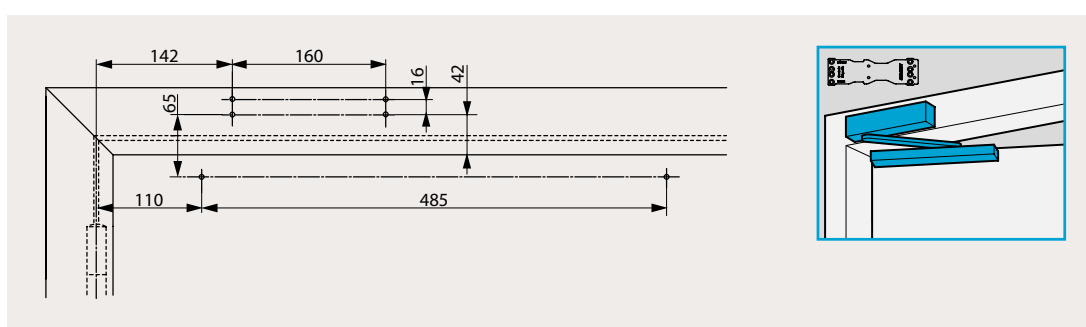
### Direct frame mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



### Mounting plate frame mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.

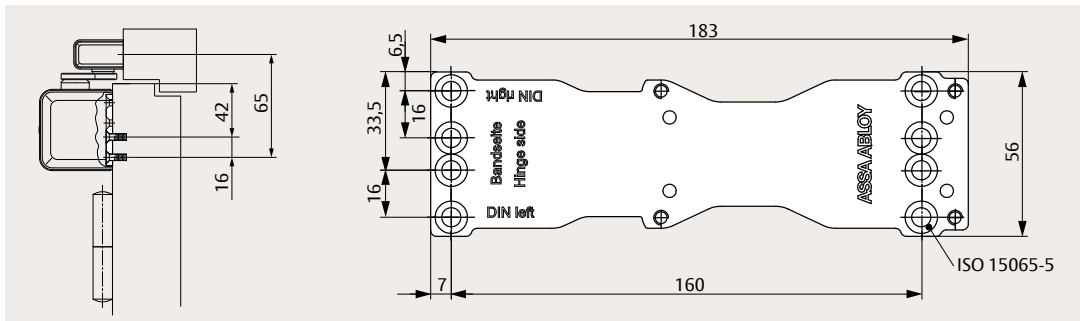


# DC700

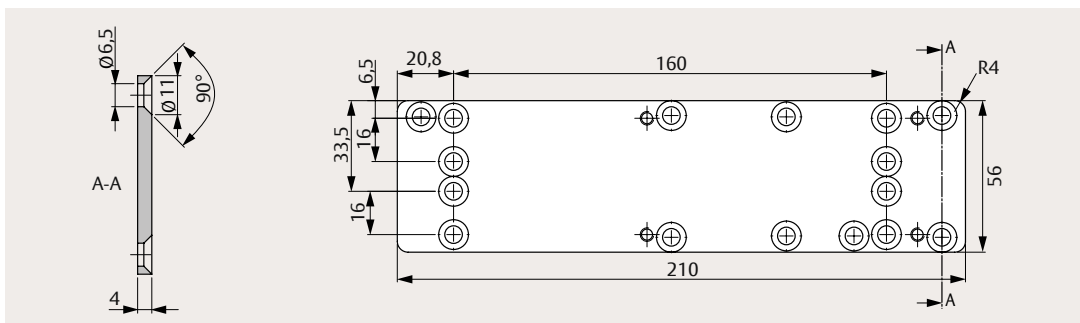
## Accessories

The full list of accessories is available under order information.

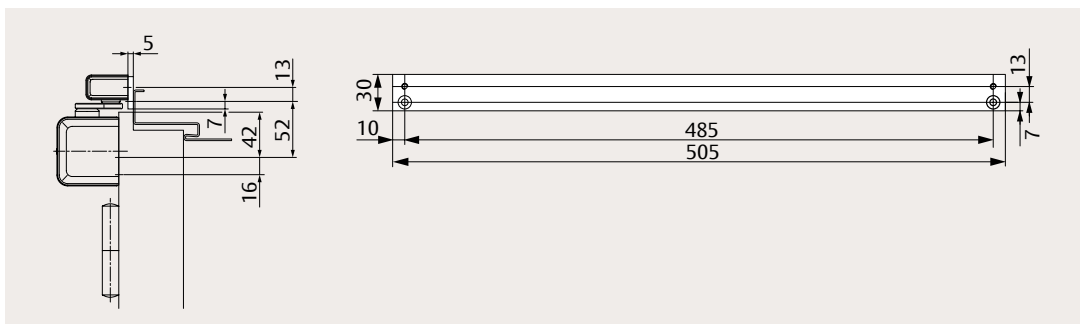
**A120 mounting plate**  
for door closer;  
in compliance with DIN  
EN 1154, supplement 1



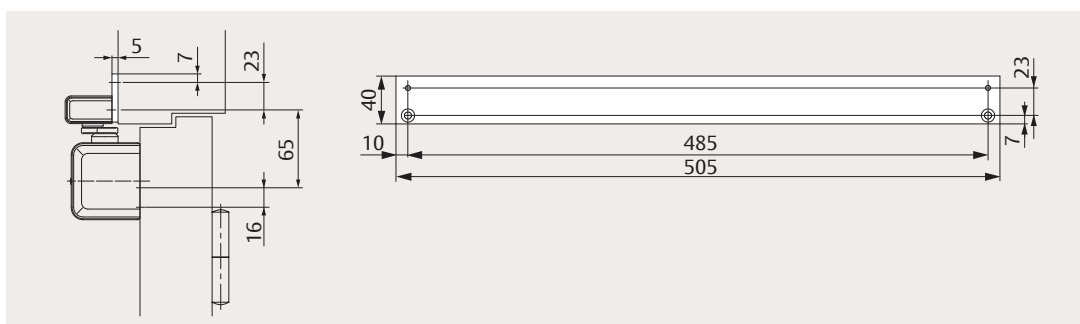
**A124 replacement plate**  
for renovation  
applications



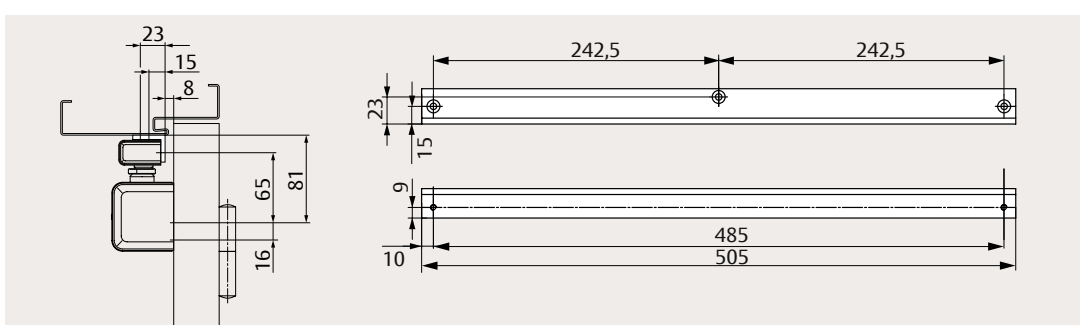
**A130 mounting plate**  
for guide rail



**A136 mounting plate,  
40 mm**  
for guide rail;  
non-hinge side use



**A104 angle bracket**  
for guide rail



## DC700

## Order information



## Door closers

DC700, EN size 3-6, silver, EV1	DC700-----DEV1-
DC700, EN size 3-6, white, similar to RAL 9016	DC700-----D9016
DC700, EN size 3-6, brown, similar to RAL 8014	DC700-----D8014
DC700, EN size 3-6, black, similar to RAL 9005	DC700-----D9005
DC700, EN size 3-6, stainless steel design	DC700-----D35--
DC700, EN size 3-6, stainless steel, full cover	DC700-1---D35--
DC700, EN size 3-6, customized finish	DC700-----DXXXX
DC700DA, EN size 3-6, silver, EV1	DC710-----DEV1-
DC700DA, EN size 3-6, white, similar to RAL 9016	DC710-----D9016
DC700DA, EN size 3-6, brown, similar to RAL 8014	DC710-----D8014
DC700DA, EN size 3-6, black, similar to RAL 9005	DC710-----D9005
DC700DA, EN size 3-6, stainless steel design	DC710-----D35--
DC700DA, EN size 3-6, stainless steel, full cover	DC710-1---D35--
DC700DA, EN size 3-6, customized finish	DC710-----DXXXX
DC700AC, EN size 3-6, silver, EV1	DC711-----DEV1-
DC700AC, EN size 3-6, white, similar to RAL 9016	DC711-----D9016
DC700AC, EN size 3-6, brown, similar to RAL 8014	DC711-----D8014
DC700AC, EN size 3-6, black, similar to RAL 9005	DC711-----D9005
DC700AC, EN size 3-6, stainless steel design	DC711-----D35--
DC700AC, EN size 3-6, stainless steel, full cover	DC711-1---D35--
DC700AC, EN size 3-6, customized finish	DC711-----DXXXX

## Guide rails

Guide rail G195, silver, EV1	DCG195----DEV1-
Guide rail G195, white, similar to RAL 9016	DCG195----D9016
Guide rail G195, brown, similar to RAL 8014	DCG195----D8014
Guide rail G195, black, similar to RAL 9005	DCG195----D9005
Guide rail G195, stainless steel	DCG195----D35--
Guide rail G195, customized finish	DCG195----DXXXX
Guide rail G193, silver, EV1	DCG193-----EV1-
Guide rail G193, white, similar to RAL 9016	DCG193-----9016
Guide rail G193, brown, similar to RAL 8014	DCG193-----8014
Guide rail G193, black, similar to RAL 9005	DCG193-----9005

## Accessories

Mounting plate A120, galvanized	DCA120-----40
Mounting plate A130, silver, EV1	DCA130-----EV1-
Mounting plate A130, white, similar to RAL 9016	DCA130-----9016
Mounting plate A130, brown, similar to RAL 8014	DCA130-----8014
Mounting plate A130, black, similar to RAL 9005	DCA130-----9005
Mounting plate A130, customized finish	DCA130-----XXXX
Mounting plate A136, silver, EV1	DCA136-----EV1-
Angle bracket A104, silver, EV1	DCA104-----EV1-
Angle bracket A104, white, RAL 9016	DCA104-----9016
Angle bracket A104, brown, similar to RAL 8014	DCA104-----8014
Angle bracket A104, black, similar to RAL 9005	DCA104-----9005
Replacement plate A124, galvanized	DCA124-----40
Glass door shoe A166, silver, EV1	DCA166-----EV1-
Screening plate A190, stainless steel	DCA190-----35--
Universal drilling gauge A176	DCA176-----
Mechanical hold-open device A152	DCA152-----
Mechanical opening damper A153	DCA153-----

DC700, silver



DC700, white



DC700, brown



DC700, black



DC700, SS design



DC700, SS full cover



G195, silver



G193, silver



A130



A136



A104



A120



A124



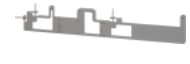
A166



A190



A176



A152



A153



## DC700G-FM

Free-Motion door closer with Cam-Motion® technology, free-swing function and guide rail – for single leaf doors, size 3-6



DC700G-FM with connection box and guide rail G795, silver, EV1

**Free-Motion technology** permits continuous door opening without the resistance of the door closer

The DC700 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. Combining Cam-Motion technology with free-swing function, Free-Motion door closers are designed for smooth opening with almost zero force.

- Certified in compliance with EN 1154/1155, size 3-6
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1400 mm width
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894
- DIBt approval with different smoke detection systems

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Brown, similar to RAL 8014
- Black, similar to RAL 9005
- Stainless steel design
- Customized colours on request

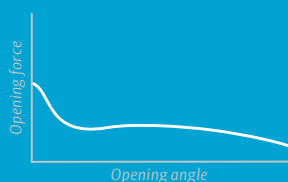
### Features

- Rapidly decreasing opening force allows easy and barrier-free initial door opening
- Free-swing function starts from a door opening angle  $\geq 0^\circ$  and is active until power supply is switched off
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Simplified stock management with universal parts and adaptable solutions

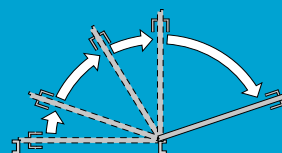
### Guide rail and accessories

- **G795** height-adjustable (2 mm) free-swing guide rail with concealed fastening screws
- **A120** mounting plate for door closer
- **A130** mounting plate for guide rail G795
- **A153** mechanical opening damper, continuously adjustable up to an opening angle of max.  $130^\circ$  (does not replace door stop)
- **A189** connection box for leaf mounting
- **1317-10** flush-mounted release button and **1316-10** surface-mounted release button for controlling fail-unlocked components, such as holding magnets and fail-unlocked strikes, and as a manual switch / control for arrester systems
- **RZ100** smoke detector station with integrated power supply and smoke detector to control arrester devices
- **ORS 142 / TDS 247** ceiling smoke detector

### Barrier-free step-by-step activation



Rapidly decreasing force for first opening

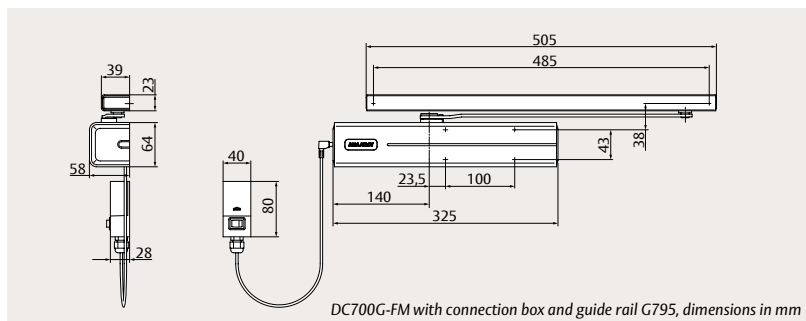


Door can be left open at any angle  $\geq 0^\circ$



## DC700G-FM

## Technical attributes and certification



## Technical attributes

<b>Closing force</b>	EN size 3-6
<b>Maximum leaf width</b>	1400 mm
<b>Closing speed (C)</b>	Variable between 170° and 10°
<b>Latch speed (L)</b>	Variable between 10° and 0°
<b>Maximum opening angle</b>	~170°/125° (hinge side / non-hinge side)
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side (with connection box) Frame mounting on hinge and non-hinge side (without connection box)
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	64 x 58 x 325 mm
<b>Required power supply</b>	24 V DC
<b>Rated power consumption</b>	~90 mA
<b>Duty cycle</b>	100%



Visit [assaabloy.com](http://assaabloy.com) to download all relevant product literature

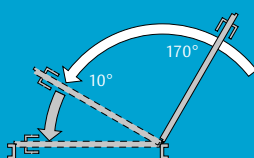


## Certification and testing

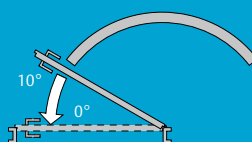
<b>Certified in compliance with</b>	EN 1155
<b>CE classification</b>	3   8   3-6   1   1   3
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
<b>Third-party verified EPD</b>	ISO 14025, EN 15804
<b>Protection class</b>	IP 43



## Independent adjustment via front-facing valves



Closing speed (C)



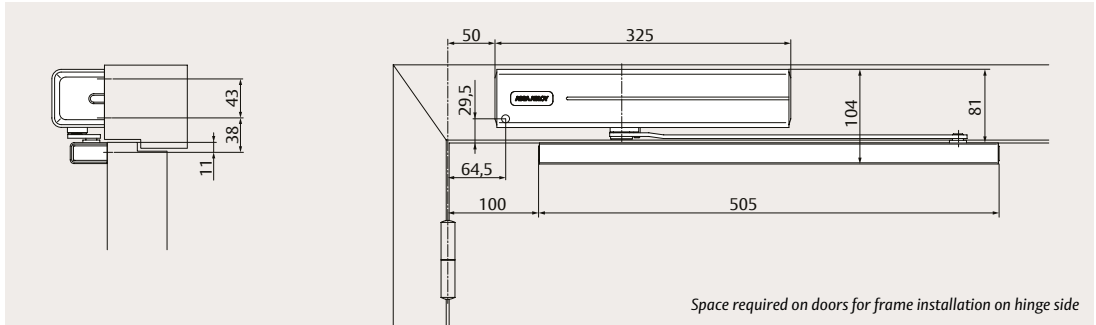
Latch speed (L)

## DC700G-FM

### Space requirement and mounting dimensions

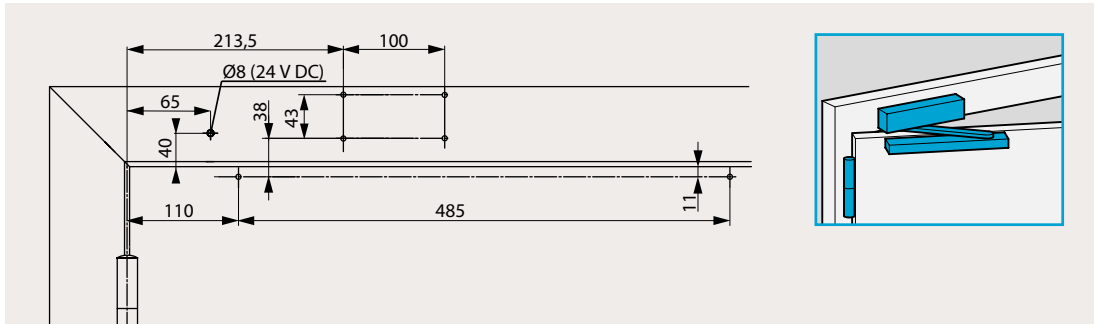


Scan the QR code to watch the installation video



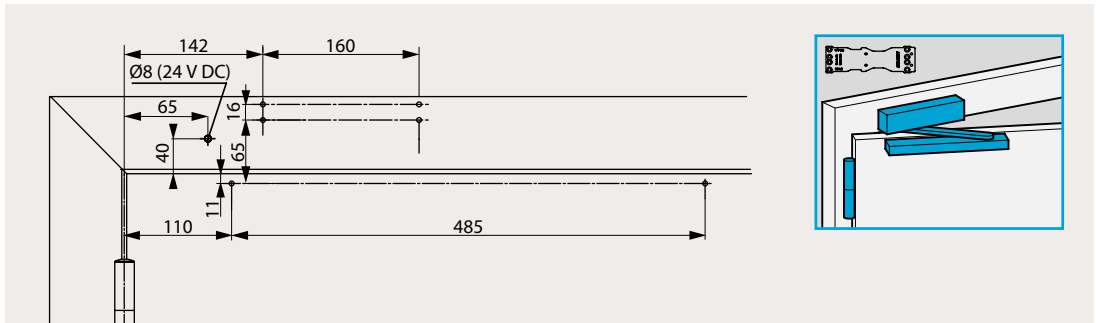
#### Direct frame mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



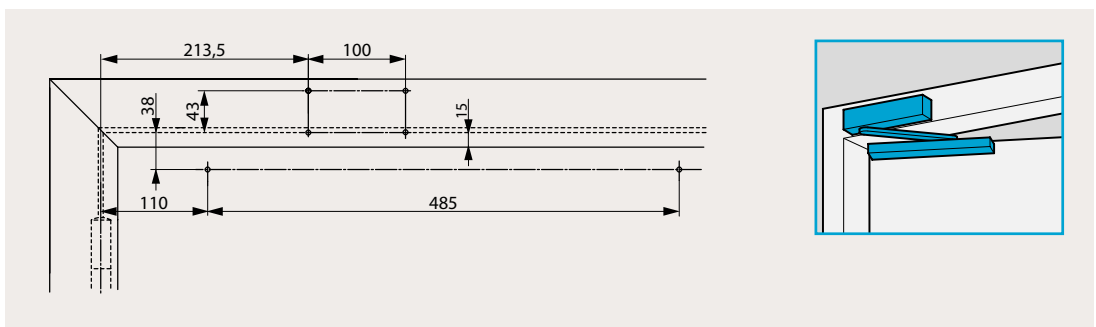
#### Mounting plate frame mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



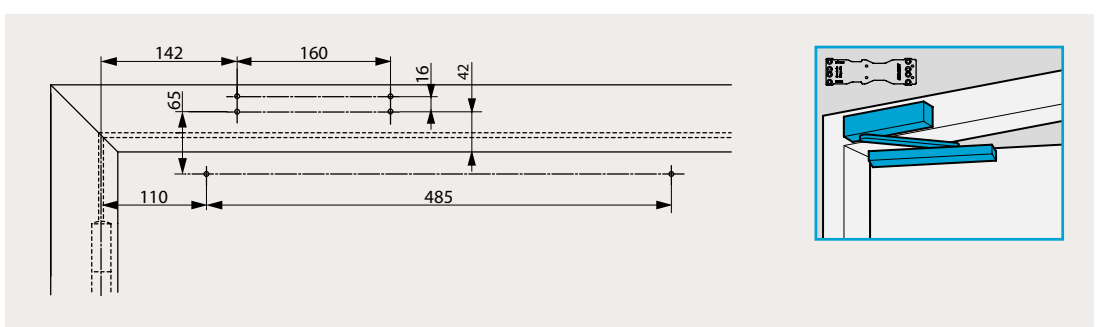
#### Direct frame mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



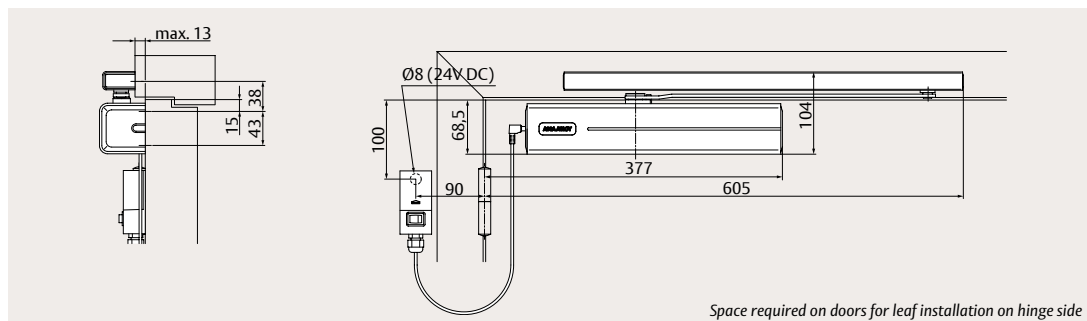
#### Mounting plate frame mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



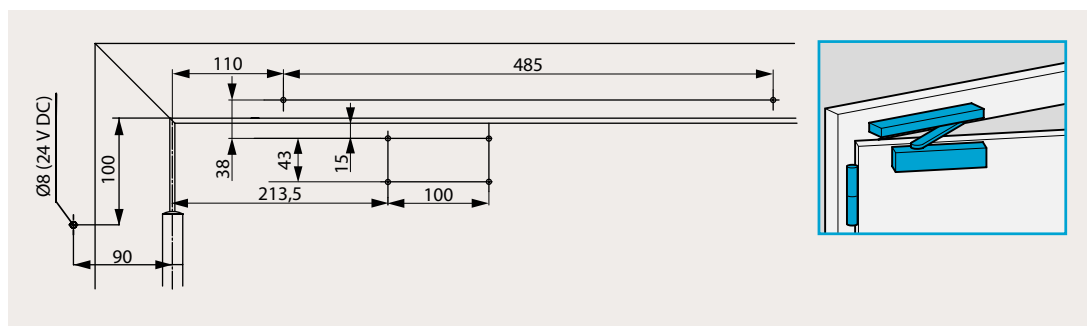
# DC700G-FM

## Space requirement, mounting dimensions and accessories



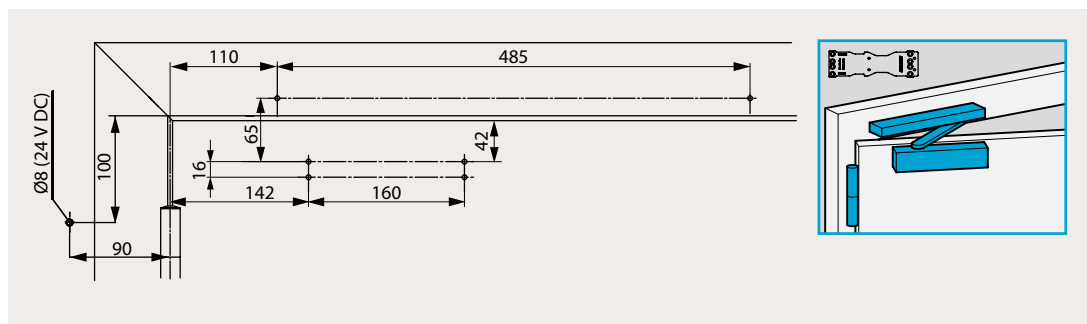
### Direct leaf mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.

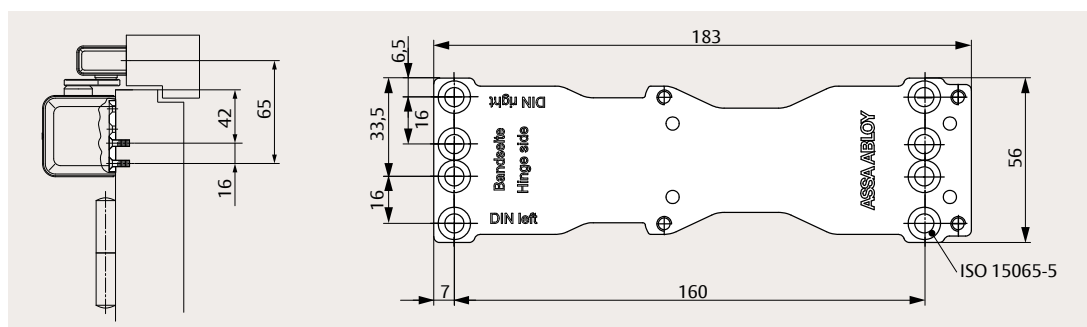


### Mounting plate leaf mounting on hinge side; in compliance with DIN EN 1154, supplement 1

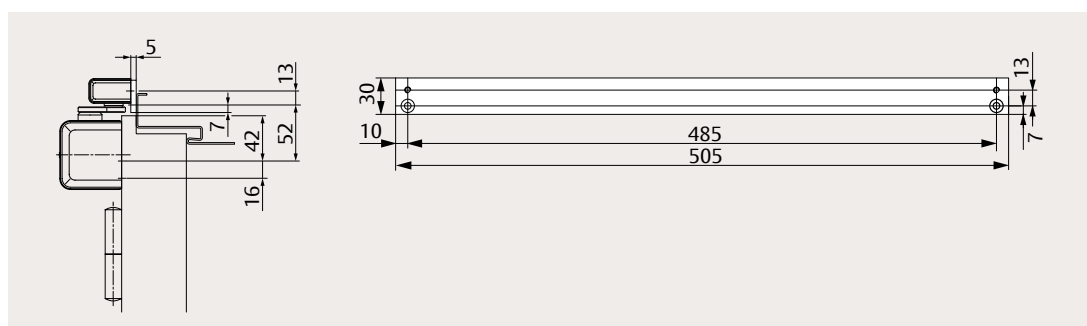
The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



### A120 mounting plate for door closer; in compliance with DIN EN 1154, supplement 1



### A130 mounting plate for guide rail



# DC700G-FM

## Order information



### Door closers

DC700G-FMB, door leaf mounting with cable and connection box, EN size 3-6, silver, EV1	DC700FMB--DEV1-
DC700G-FMB, door leaf mounting with cable and connection box, EN size 3-6, white, similar to RAL 9016	DC700FMB--D9016
DC700G-FMB, door leaf mounting with cable and connection box, EN size 3-6, brown, similar to RAL 8014	DC700FMB--D8014
DC700G-FMB, door leaf mounting with cable and connection box, EN size 3-6, black, similar to RAL 9005	DC700FMB--D9005
DC700G-FMB, door leaf mounting with cable and connection box, EN size 3-6, stainless steel design	DC700FMB--D35--
DC700G-FMB, door leaf mounting with cable and connection box, EN size 3-6, customized finish	DC700FMB--DXXXX
DC700G-FM, frame mounting, EN size 3-6, silver, EV1	DC700FM---DEV1-
DC700G-FM, frame mounting, EN size 3-6, white, similar to RAL 9016	DC700FM---D9016
DC700G-FM, frame mounting, EN size 3-6, brown, similar to RAL 8014	DC700FM---D8014
DC700G-FM, frame mounting, EN size 3-6, black, similar to RAL 9005	DC700FM---D9005
DC700G-FM, frame mounting, EN size 3-6, stainless steel design	DC700FM---D35--
DC700G-FM, frame mounting, EN size 3-6, customized finish	DC700FM---DXXXX

### Guide rails

Guide rail G795, silver, EV1	DCG795----DEV1-
Guide rail G795, white, similar to RAL 9016	DCG795----D9016
Guide rail G795, brown, similar to RAL 8014	DCG795----D8014
Guide rail G795, black, similar to RAL 9005	DCG795----D9005
Guide rail G795, stainless steel	DCG795----D35--
Guide rail G795, customized finish	DCG795----DXXXX

### Accessories

Mounting plate A120, galvanized	DCA120-----40
Mounting plate A130, silver, EV1	DCA130----EV1-
Mounting plate A130, white, similar to RAL 9016	DCA130----9016
Mounting plate A130, brown, similar to RAL 8014	DCA130----8014
Mounting plate A130, black, similar to RAL 9005	DCA130----9005
Mounting plate A130, customized finish	DCA130----XXXX
Mechanical opening damper A153	DCA153-----
Connection box A189	DCA189-----
Interrupter push-button 1316-10, surface-mounted	1316-10-----00
Interrupter push-button 1317-10, flush-mounted	1317-10-----00
Smoke detector station RZ100, silver, EV1	DCRZ100---DEV1-
Smoke detector station RZ100, white, similar to RAL 9016	DCRZ100---D9016
Smoke detector station RZ100, stainless steel design	DCRZ100---D35--
Smoke detector station RZ100, customized finish	DCRZ100---DXXXX
Ceiling mounted smoke detector ORS 142 with base, white, similar to RAL 9010	DCRZ101----9010

DC700G-FM, silver



DC700G-FM, white



DC700G-FM, brown



DC700G-FM, black



DC700G-FM, SS design



G795, silver



G795, white



G795, brown



G795, black



G795, stainless steel



A120



A130



A153



A189



1316-10



1317-10



RZ100



ORS 142



## DC700G-CO-FM

Free-Motion door closer with Cam-Motion® technology, free-swing function and integrated mechanical door coordinator for double leaf doors, size 3-6



DC700G-CO-FM, silver, EV1

**Free-Motion technology** permits continuous door opening without the resistance of the door closer

The DC700 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. Combining Cam-Motion technology with free-swing function, Free-Motion door closers are designed for smooth opening with almost zero force. The mechanical door coordinator is integrated into the guide rail.

- Certified in compliance with EN 1154, EN 1155 and EN 1158, size 3-6
- Suitable for fire and smoke protection doors
- For double leaf doors with hinge distance from 1350 mm up to 2500/3200 mm
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894
- DIBt approval with different smoke detection systems

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Stainless steel design
- Customized colours on request

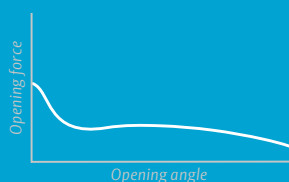
### Features

- Rapidly decreasing opening force allows easy and barrier-free initial door opening
- Free-swing function starts from a door opening angle  $\geq 0^\circ$  and is active until power supply is switched off
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Simplified stock management with universal parts and adaptable solutions

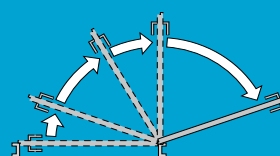
### Accessories

- **A160** mounting plate for guide rail G-CO-FM
- **A188** mechanical opening damper, continuously adjustable up to an opening angle of max.  $130^\circ$  (does not replace door stop)
- **1317-10** flush-mounted release button and **1316-10** surface-mounted release button for controlling fail-unlocked components, such as holding magnets and fail-unlocked strikes, and as a manual switch / control for arrester systems
- **RZ100** smoke detector station with integrated power supply and smoke detector to control arrester devices
- **ORS 142 / TDS 247** ceiling smoke detector

### Barrier-free step-by-step activation



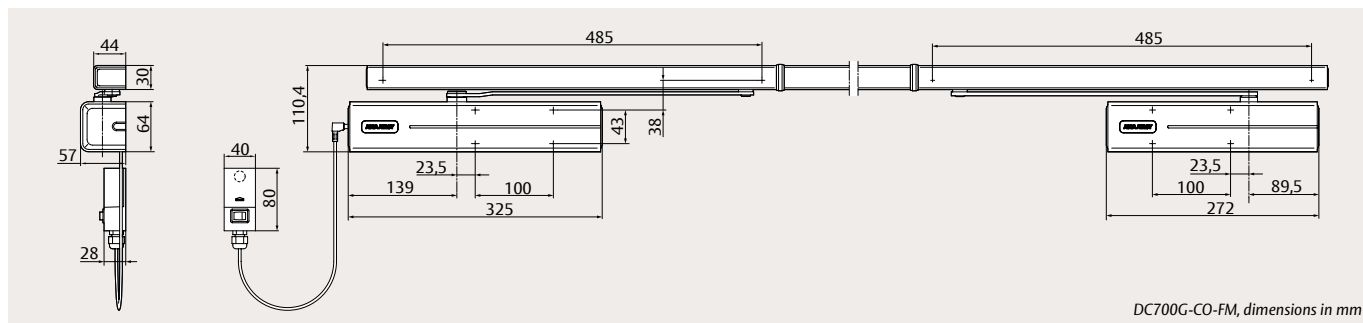
Rapidly decreasing force for first opening



Door can be left open at any angle  $\geq 0^\circ$

# DC700G-CO-FM

## Technical attributes and certification



### Technical attributes

Guide rail G-CO-FM (For door closer information, please see DC700G-FM and DC700.)

<b>Closing force</b>	EN size 3-6
<b>Maximum hinge distance</b>	1350 – 2500/3200 mm
<b>Maximum opening angle</b>	~170°
<b>Door system</b>	Double leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	30 x 44 x * mm (*depends on hinge distance)
<b>Required power supply</b>	24 V DC
<b>Rated power consumption</b>	~90 mA
<b>Duty cycle</b>	100%



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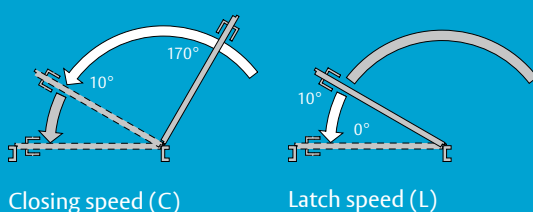


### Certification and testing

<b>Certified in compliance with</b>	EN 1154, EN 1155, EN 1158
<b>CE classification</b>	3   8   3-6   1   1   3 (EN 1154) 3   8   3-6   1   1   3 (EN 1155) 3   5   3-6   1   1   4 (EN 1158)
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
<b>Third-party verified EPD</b>	ISO 14025, EN 15804
<b>Protection class</b>	IP 43



### Independent adjustment via front-facing valves

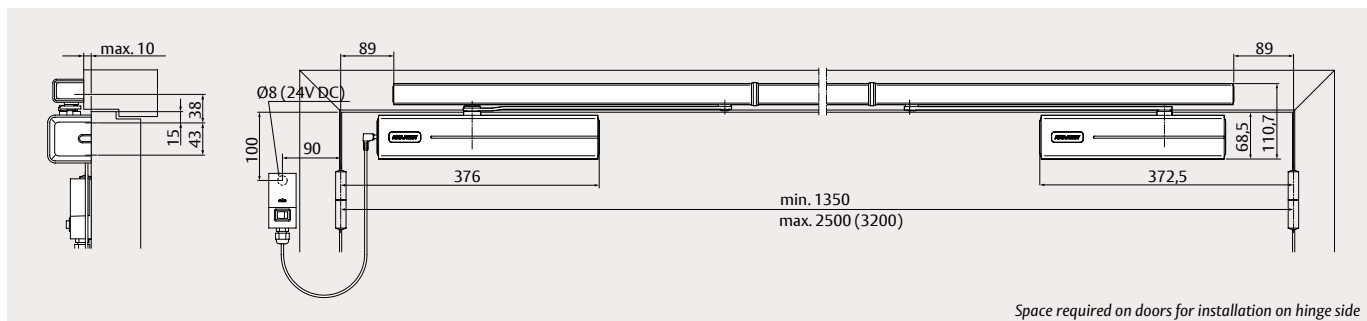


Closing speed (C)

Latch speed (L)

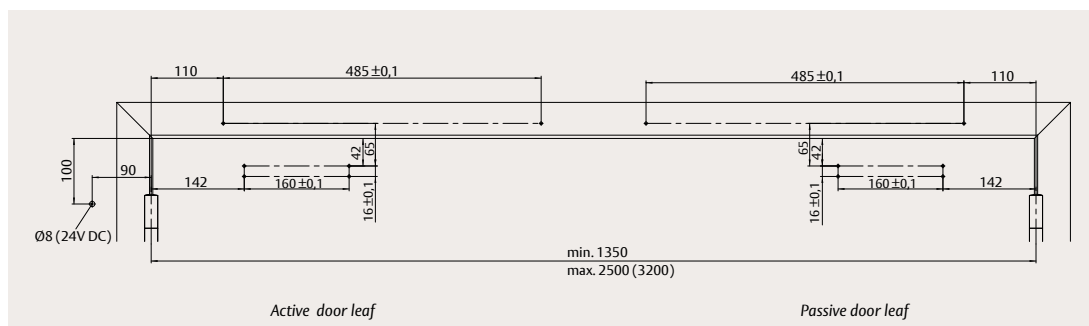
## DC700G-CO-FM

### Space requirement, mounting dimensions and accessories

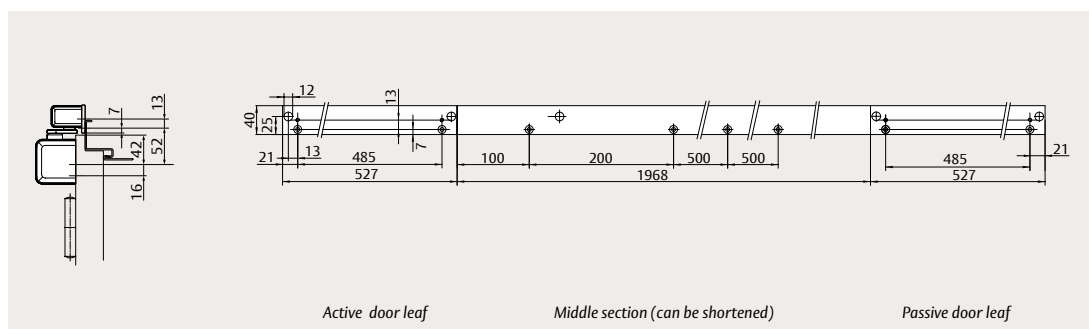


#### Mounting plate leaf mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



#### A160 mounting plate for guide rail



# DC700G-CO-FM

## Order information

For door closer order information, please see DC700G-FM and DC700.



### Guide rails

Free-Motion guide rail with mechanical door coordinator, door width up to 2500 mm, silver, EV1	DCG-21-40-DEV1-
Free-Motion guide rail with mechanical door coordinator, door width up to 2500 mm, white, similar to RAL 9016	DCG-21-40-D9016
Free-Motion guide rail with mechanical door coordinator, door width up to 2500 mm, stainless steel design	DCG-21-40-D35-
Free-Motion guide rail with mechanical door coordinator, door width up to 2500 mm, customized finish	DCG-21-40-DXXXX
Free-Motion guide rail with mechanical door coordinator, door width up to 3200 mm, silver, EV1	DCG-23-40-DEV1-
Free-Motion guide rail with mechanical door coordinator, door width up to 3200 mm, white, similar to RAL 9016	DCG-23-40-D9016
Free-Motion guide rail with mechanical door coordinator, door width up to 3200 mm, stainless steel design	DCG-23-40-D35-
Free-Motion guide rail with mechanical door coordinator, door width up to 3200 mm, customized finish	DCG-23-40-DXXXX

### Accessories

Mounting plate A160, door width up to 3200 mm, silver, EV1	DCA160-----EV1-
Mounting plate A160, door width up to 3200 mm, white, similar to RAL 9016	DCA160-----9016
Mechanical opening damper A188	DCA188-----
Interrupter push-button 1316-10, surface-mounted	1316-10-----00
Interrupter push-button 1317-10, flush-mounted	1317-10-----00
Smoke detector station RZ100, silver, EV1	DCRZ100---DEV1-
Smoke detector station RZ100, white, similar to RAL 9016	DCRZ100---D9016
Smoke detector station RZ100, stainless steel design	DCRZ100---D35--
Smoke detector station RZ100, customized finish	DCRZ100---DXXXX
Ceiling mounted smoke detector ORS 142 with base, white, similar to RAL 9010	DCRZ101----9010

G-CO-FM, silver



G-CO-FM, white



G-CO-FM, stainless steel



A160



A188



1316-10



1317-10



RZ100



ORS 142





## DC700G-FMS

Free-Motion door closer with Cam-Motion® technology, free-swing function and guide rail with integrated smoke detector for single leaf doors, size 3-6



DC700G-FMS, silver, EV1

**Free-Motion technology** permits continuous door opening without the resistance of the door closer

The DC700 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. Combining Cam-Motion technology with free-swing function, Free-Motion door closers are designed for smooth opening with almost zero force. The smoke detector with contamination indicator and alarm threshold monitoring is fully integrated into the guide rail.

- Certified in compliance with EN 1154/1155, size 3-6
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1400 mm width
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894
- DIBt approval with different smoke detection systems

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Stainless steel design
- Customized colours on request

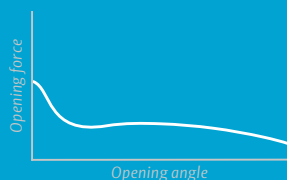
### Features

- Rapidly decreasing opening force allows easy and barrier-free initial door opening
- Free-swing function starts from a door opening angle  $\geq 0^\circ$  and is active until power supply is switched off
- Optical smoke detector with LED status indication: operating mode, alarm, error
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Simplified stock management with universal parts and adaptable solutions
- Built-in 230 V AC power supply allows connection of release button and additional smoke detector

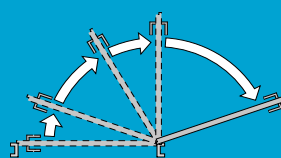
### Accessories

- **A132** mounting plate for guide rail G-FMS
- **A135** mounting plate for guide rail G-FMS, for competitor's drilling patterns
- **A188** mechanical opening damper, continuously adjustable up to an opening angle of max.  $130^\circ$  (does not replace door stop)
- **1317-10** flush-mounted release button and **1316-10** surface-mounted release button for controlling fail-unlocked components, such as holding magnets and fail-unlocked strikes, and as a manual switch / control for arrester systems
- **ORS 142 / TDS 247** ceiling smoke detector

### Barrier-free step-by-step activation



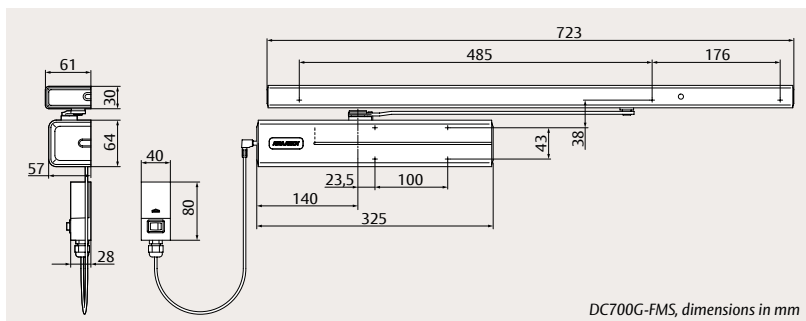
Rapidly decreasing force for first opening



Door can be left open at any angle  $\geq 0^\circ$

## DC700G-FMS

### Technical attributes and certification



#### Technical attributes

Guide rail G-FMS (For door closer information, please see DC700G-FM.)

<b>Closing force</b>	EN size 3-6
<b>Maximum leaf width</b>	1400 mm
<b>Maximum opening angle</b>	~170°
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	30 x 61 x 723 mm
<b>Required power supply</b>	230 V AC
<b>Rated power consumption</b>	~100 mA
<b>Duty cycle</b>	100%



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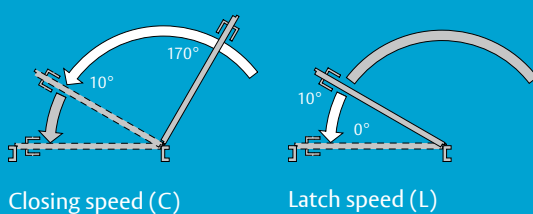


#### Certification and testing

<b>Certified in compliance with</b>	EN 1155
<b>CE classification</b>	3   8   3-6   1   1   3
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
<b>Third-party verified EPD</b>	ISO 14025, EN 15804
<b>Protection class</b>	IP 20
<b>DIBt general construction technique permit</b>	Z-6.500-2364



#### Independent adjustment via front-facing valves

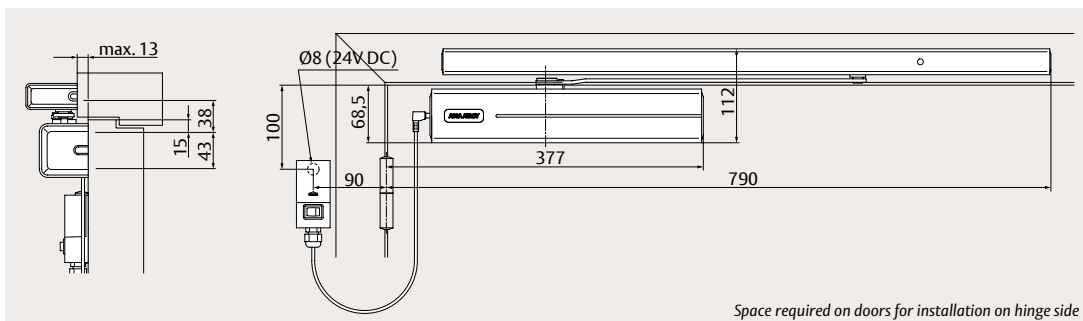


Closing speed (C)

Latch speed (L)

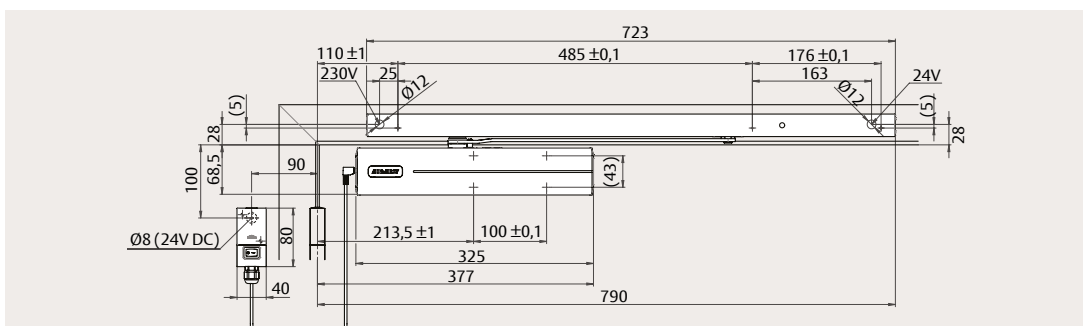
# DC700G-FMS

## Space requirement, mounting dimensions and accessories



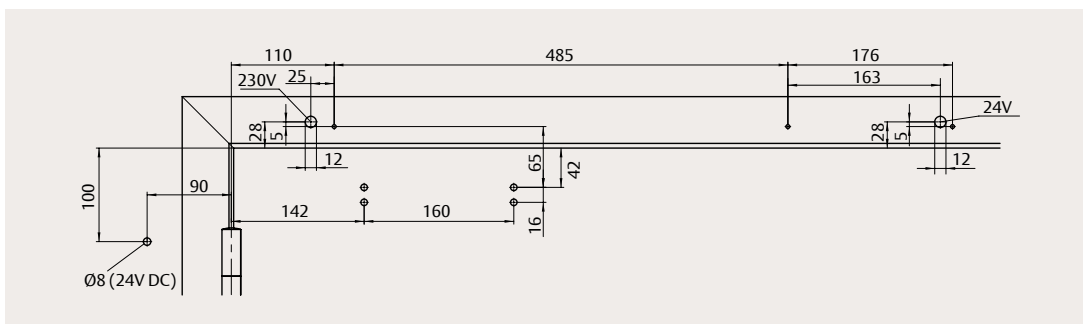
### Direct leaf mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.

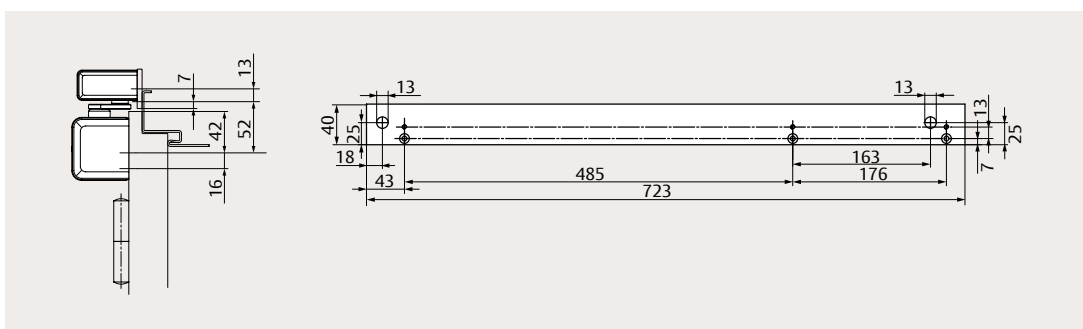


### Mounting plate leaf mounting on hinge side

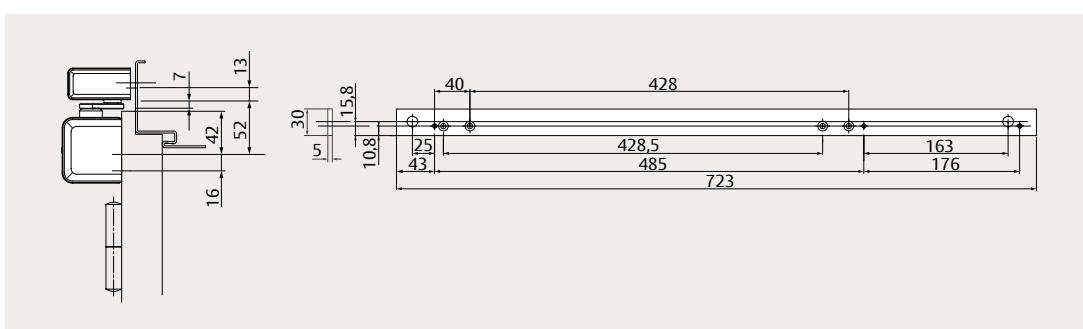
The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



### A132 mounting plate for guide rail

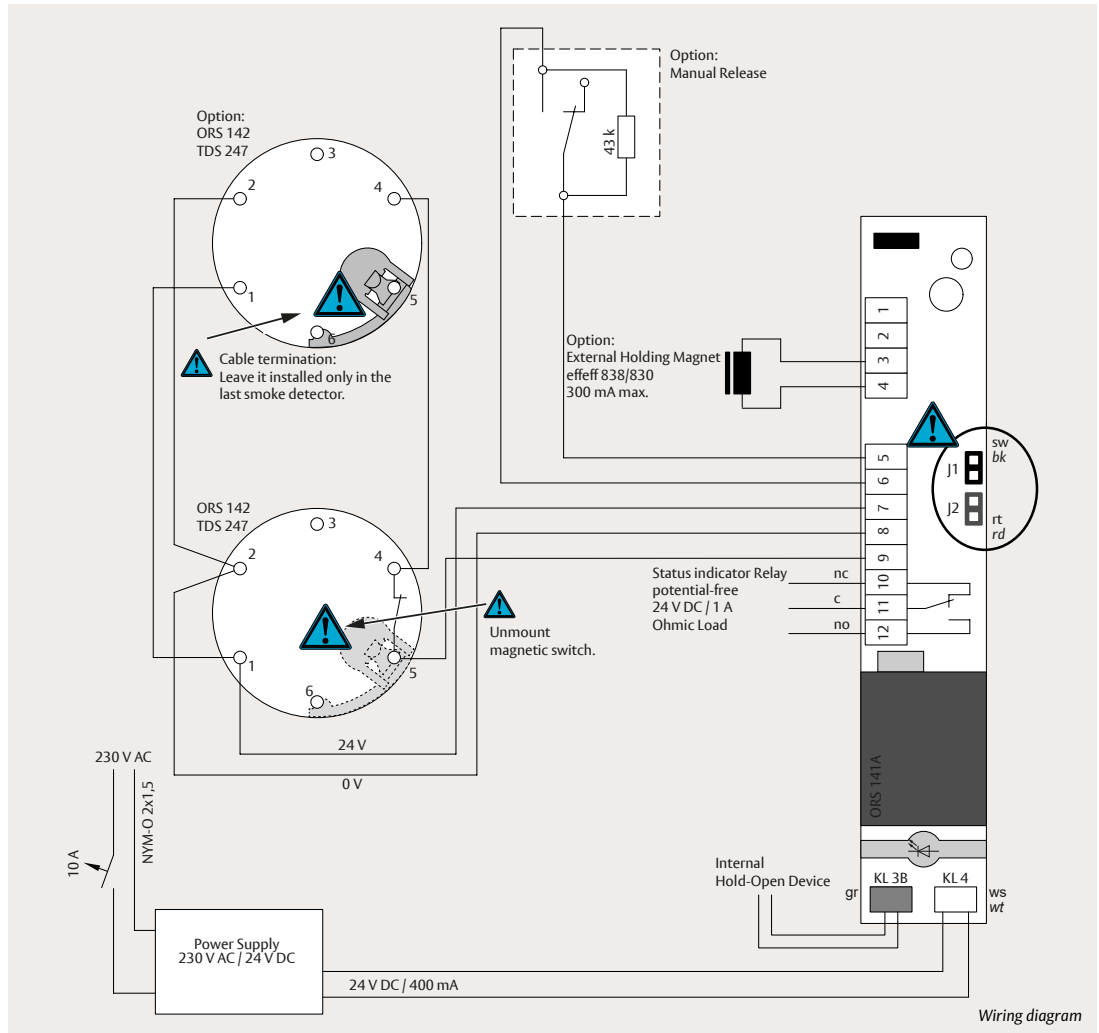


### A135 mounting plate for guide rail; for competitor's drilling patterns



# DC700G-FMS

## Wiring diagram



## DC700G-FMS

## Order information

For door closer order information, please see DC700G-FM.



### Guide rails

Free-Motion guide rail with smoke detector, silver, EV1	DCG-10-50-DEV1-
Free-Motion guide rail with smoke detector, white, similar to RAL 9016	DCG-10-50-D9016
Free-Motion guide rail with smoke detector, stainless steel design	DCG-10-50-D35--
Free-Motion guide rail with smoke detector, customized finish	DCG-10-50--XXXX

### Accessories

Mounting plate A132, silver, EV1	DCA132-----EV1-
Mounting plate A132, white, similar to RAL 9016	DCA132-----9016
Mounting plate A132, customized finish	DCA132-----XXXX
Mounting plate A135, for competitor's drilling patterns, silver, EV1	DCA135-----EV1-
Mechanical opening damper A188	DCA188-----
Interrupter push-button 1316-10, surface-mounted	1316-10-----00
Interrupter push-button 1317-10, flush-mounted	1317-10-----00
Ceiling mounted smoke detector ORS 142 with base, white, similar to RAL 9010	DCRZ101----9010

G-FMS, silver



G-FMS, white



G-FMS, stainless steel



A132



A135



A188



1316-10



1317-10



ORS 142



## DC700G-CO-FMS

Free-Motion door closer with Cam-Motion® technology, free-swing function, integrated mechanical door coordinator and smoke detector – for double leaf doors, size 3-6



DC700G-CO-FMS, silver, EV1

**Free-Motion technology** permits continuous door opening without the resistance of the door closer

The DC700 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. Combining Cam-Motion technology with free-swing function, Free-Motion door closers are designed for smooth opening with almost zero force. The DC700G-CO-FMS comes with integrated mechanical door coordinator, smoke detector and power supply.

- Certified in compliance with EN 1154, EN 1155 and EN 1158, size 3-6
- Suitable for fire and smoke protection doors
- For double leaf doors with hinge distance from 1400 mm up to 2500/3200 mm
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894
- DIBt approval with different smoke detection systems

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Stainless steel design
- Customized colours on request

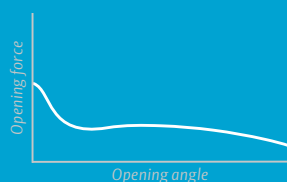
### Features

- Rapidly decreasing opening force allows easy and barrier-free initial door opening
- Free-swing function starts from a door opening angle  $\geq 0^\circ$  and is active until power supply is switched off
- Optical smoke detector with LED status indication: operating mode, alarm, error
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Simplified stock management with universal parts and adaptable solutions
- Built-in 230 V AC power supply allows connection of release button and additional smoke detector

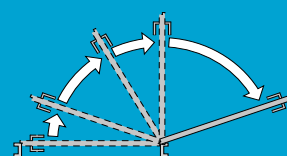
### Accessories

- **A159** mounting plate for guide rail G-CO-FMS
- **A188** mechanical opening damper, continuously adjustable up to an opening angle of max.  $130^\circ$  (does not replace door stop)
- **1317-10** flush-mounted release button and **1316-10** surface-mounted release button for controlling fail-unlocked components, such as holding magnets and fail-unlocked strikes, and as a manual switch / control for arrester systems
- **ORS 142 / TDS 247** ceiling smoke detector

### Barrier-free step-by-step activation



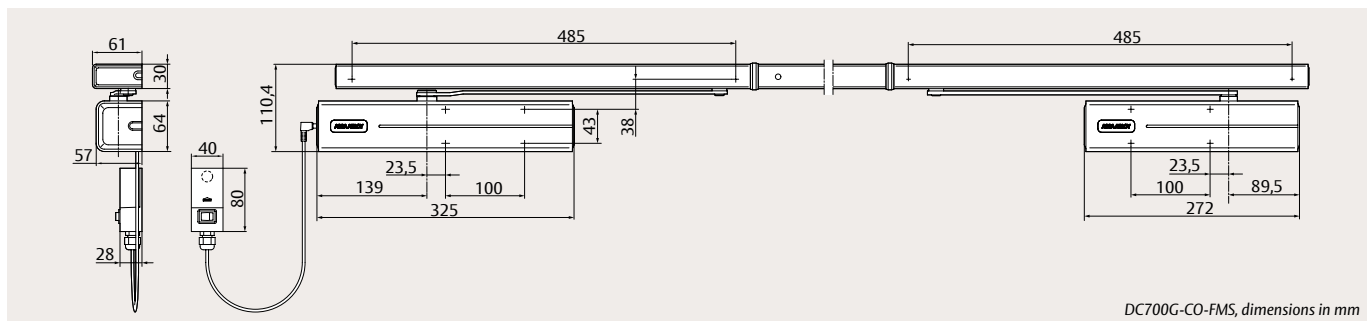
Rapidly decreasing force for first opening



Door can be left open at any angle  $\geq 0^\circ$

# DC700G-CO-FMS

## Technical attributes and certification



DC700G-CO-FMS, dimensions in mm



### Technical attributes

Guide rail G-CO-FMS (For door closer information, please see DC700G-FM and DC700.)

Closing force	EN size 3-6
Maximum hinge distance	1400 – 2500/3200 mm
Maximum opening angle	~170°
Door system	Double leaf
Handing	Left- / right-handed
Mounting options	Leaf mounting on hinge side
Force adjustment	Yes
Height adjustment	Yes
Corrosion resistance	Grade 3 (96 hours)
Dimensions (H x D x L)	30 x 61 x * mm (*depends on hinge distance)
Required power supply	230 V AC
Rated power consumption	~100 mA
Duty cycle	100%



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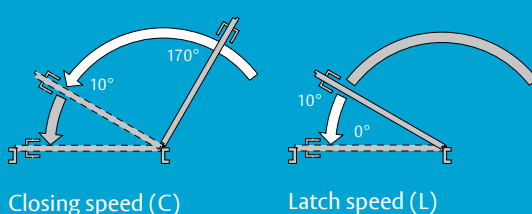


### Certification and testing

Certified in compliance with	EN 1154, EN 1155, EN 1158
CE classification	3   8   3-6   1   1   3 (EN 1154) 3   8   3-6   1   1   3 (EN 1155) 3   5   3-6   1   1   4 (EN 1158)
CE / UKCA mark	Yes
Suitable for fire and smoke protection doors	Yes
Barrier-free according to	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
Third-party verified EPD	ISO 14025, EN 15804
Protection class	IP 43
DIBt general construction technique permit	Z-6.500-2364



### Independent adjustment via front-facing valves

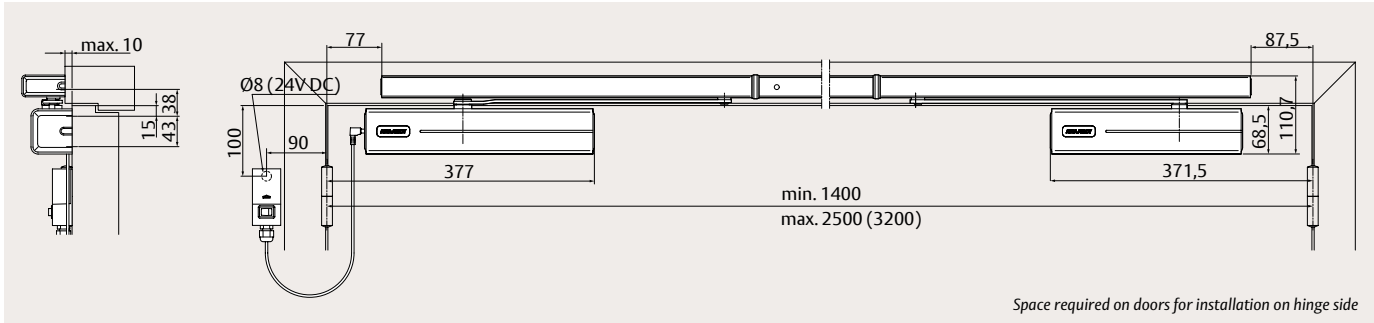


Closing speed (C)

Latch speed (L)

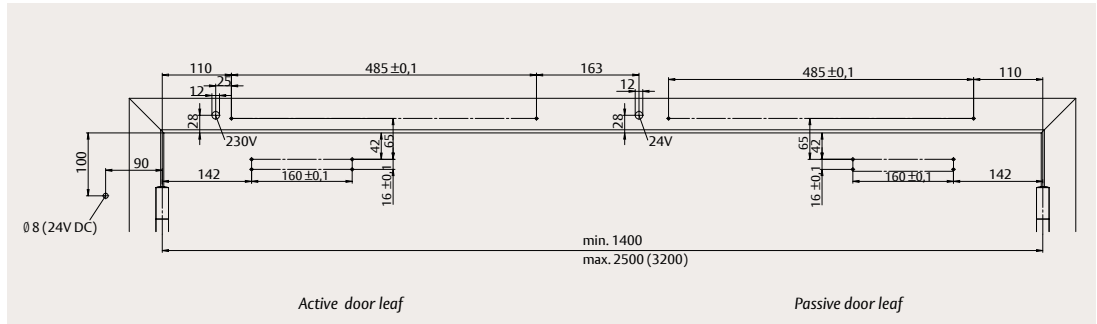
## DC700G-CO-FMS

### Space requirement, mounting dimensions and accessories

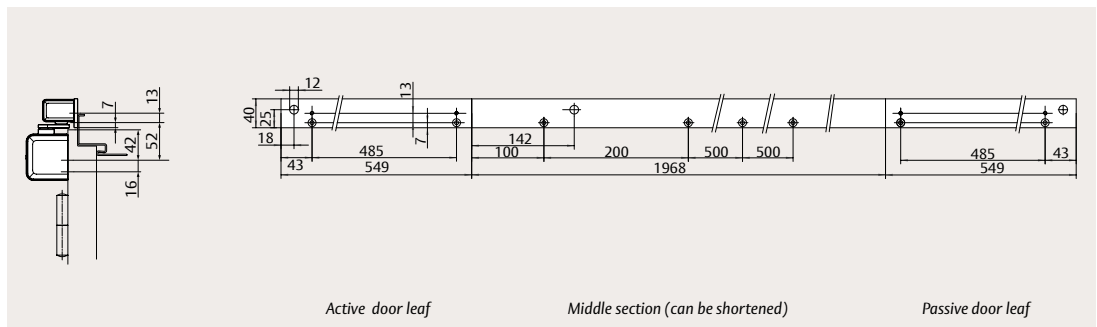


#### Mounting plate leaf mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



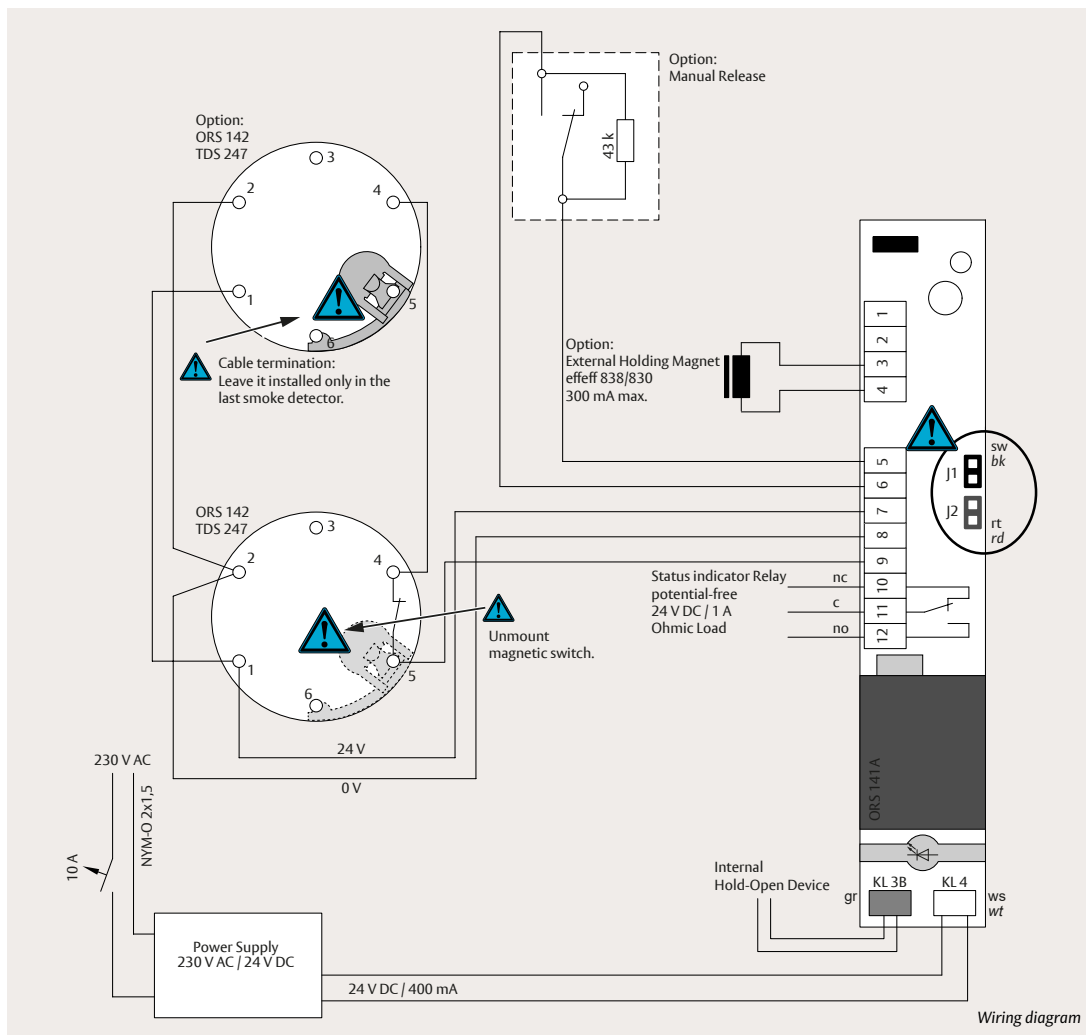
#### A159 mounting plate for guide rail





# DC700G-CO-FMS

## Wiring diagram



# DC700G-CO-FMS

## Order information

For door closer order information, please see DC700G-FM and DC700.



Guide rails	
Free-Motion guide rail with mechanical door coordinator and smoke detector, door width up to 2500 mm, silver, EV1	DCG-21-50-DEV1-
Free-Motion guide rail with mechanical door coordinator and smoke detector, door width up to 2500 mm, white, similar to RAL 9016	DCG-21-50-D9016
Free-Motion guide rail with mechanical door coordinator and smoke detector, door width up to 2500 mm, stainless steel design	DCG-21-50-D35-
Free-Motion guide rail with mechanical door coordinator and smoke detector, door width up to 2500 mm, customized finish	DCG-21-50-DXXXX
Free-Motion guide rail with mechanical door coordinator and smoke detector, door width up to 3200 mm, silver, EV1	DCG-23-50-DEV1-
Free-Motion guide rail with mechanical door coordinator and smoke detector, door width up to 3200 mm, white, similar to RAL 9016	DCG-23-50-D9016
Free-Motion guide rail with mechanical door coordinator and smoke detector, door width up to 3200 mm, stainless steel design	DCG-23-50-D35-
Free-Motion guide rail with mechanical door coordinator and smoke detector, door width up to 3200 mm, customized finish	DCG-23-50-DXXXX
Accessories	
Mounting plate A159, door width up to 3200 mm, silver, EV1	DCA159-----EV1-
Mounting plate A159, door width up to 3200 mm, white, similar to RAL 9016	DCA159-----9016
Mounting plate A159, door width up to 3200 mm, customized finish	DCA159-----XXXX
Mechanical opening damper A188	DCA188-----
Interrupter push-button 1316-10, surface-mounted	1316-10-----00
Interrupter push-button 1317-10, flush-mounted	1317-10-----00
Ceiling mounted smoke detector ORS 142 with base, white, similar to RAL 9010	DCRZ101----9010

G-CO-FMS, silver



G-CO-FMS, white



G-CO-FMS, stainless steel



A159



A188



1316-10



1317-10



ORS 142



## DC700G-FMS-K

Free-Motion door closer with Cam-Motion® technology, free-swing function, integrated smoke detector and guide rail – for single leaf doors, size 3-6



DC700G-FMS-K with guide rail G795, silver, EV1

**Free-Motion technology** permits continuous door opening without the resistance of the door closer

The DC700 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. Combining Cam-Motion technology with free-swing function, Free-Motion door closers are designed for smooth opening with almost zero force. The smoke detector with contamination indicator and alarm threshold monitoring is fully integrated into the door closer housing.

- Certified in compliance with EN 1154/1155, size 3-6
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1400 mm width
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894
- DIBt approval with different smoke detection systems

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Stainless steel design
- Customized colours on request

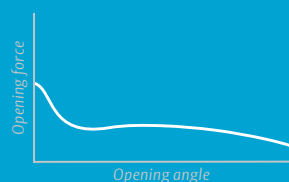
### Features

- Rapidly decreasing opening force allows easy and barrier-free initial door opening
- Free-swing function starts from a door opening angle  $\geq 0^\circ$  and is active until power supply is switched off
- Optical smoke detector with LED status indication: operating mode, alarm, error
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Simplified stock management with universal parts and adaptable solutions
- Built-in 230 V AC power supply allows connection of release button and additional smoke detector

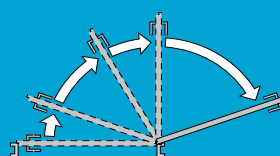
### Guide rail and accessories

- **G795** height-adjustable (2 mm) free-swing guide rail with concealed fastening screws
- **A153** mechanical opening damper, continuously adjustable up to an opening angle of max.  $130^\circ$  (does not replace door stop)
- **1317-10** flush-mounted release button and **1316-10** surface-mounted release button for controlling fail-unlocked components, such as holding magnets and fail-unlocked strikes, and as a manual switch / control for arrester systems
- **ORS 142 / TDS 247** ceiling smoke detector

### Barrier-free step-by-step activation



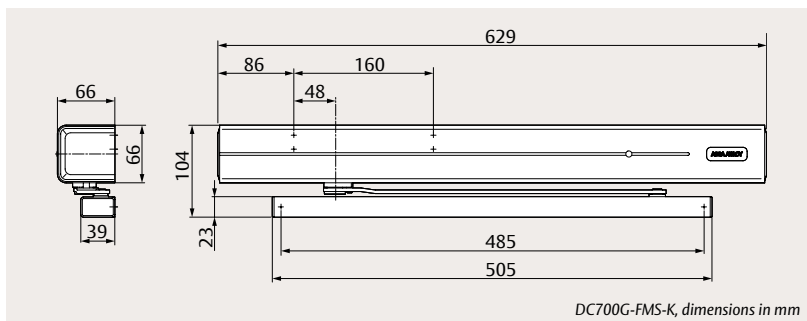
Rapidly decreasing force for first opening



Door can be left open at any angle  $\geq 0^\circ$

# DC700G-FMS-K

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 3-6
<b>Maximum leaf width</b>	1400 mm
<b>Closing speed (C)</b>	Variable between 170° and 10°
<b>Latch speed (L)</b>	Variable between 10° and 0°
<b>Maximum opening angle</b>	~170°
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Frame mounting on hinge side
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	66 x 66 x 629 mm
<b>Required power supply</b>	230 V AC
<b>Rated power consumption</b>	~100 mA
<b>Duty cycle</b>	100%



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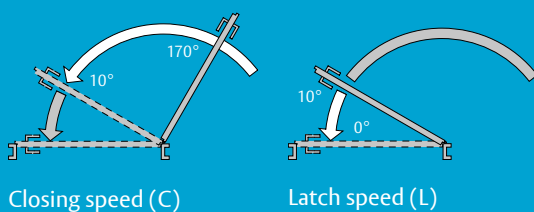


### Certification and testing

<b>Certified in compliance with</b>	EN 1155
<b>CE classification</b>	3   8   3-6   1   1   3
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
<b>Third-party verified EPD</b>	ISO 14025, EN 15804
<b>Protection class</b>	IP 20
<b>DIBt general construction technique permit</b>	Z-6.500-2364

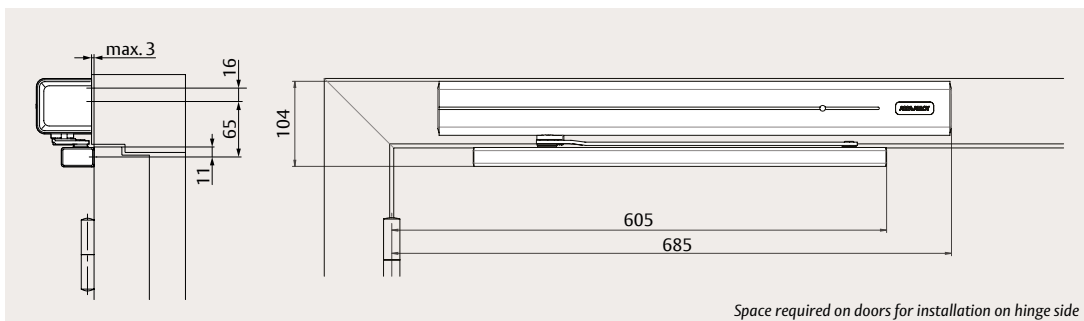


### Independent adjustment via front-facing valves



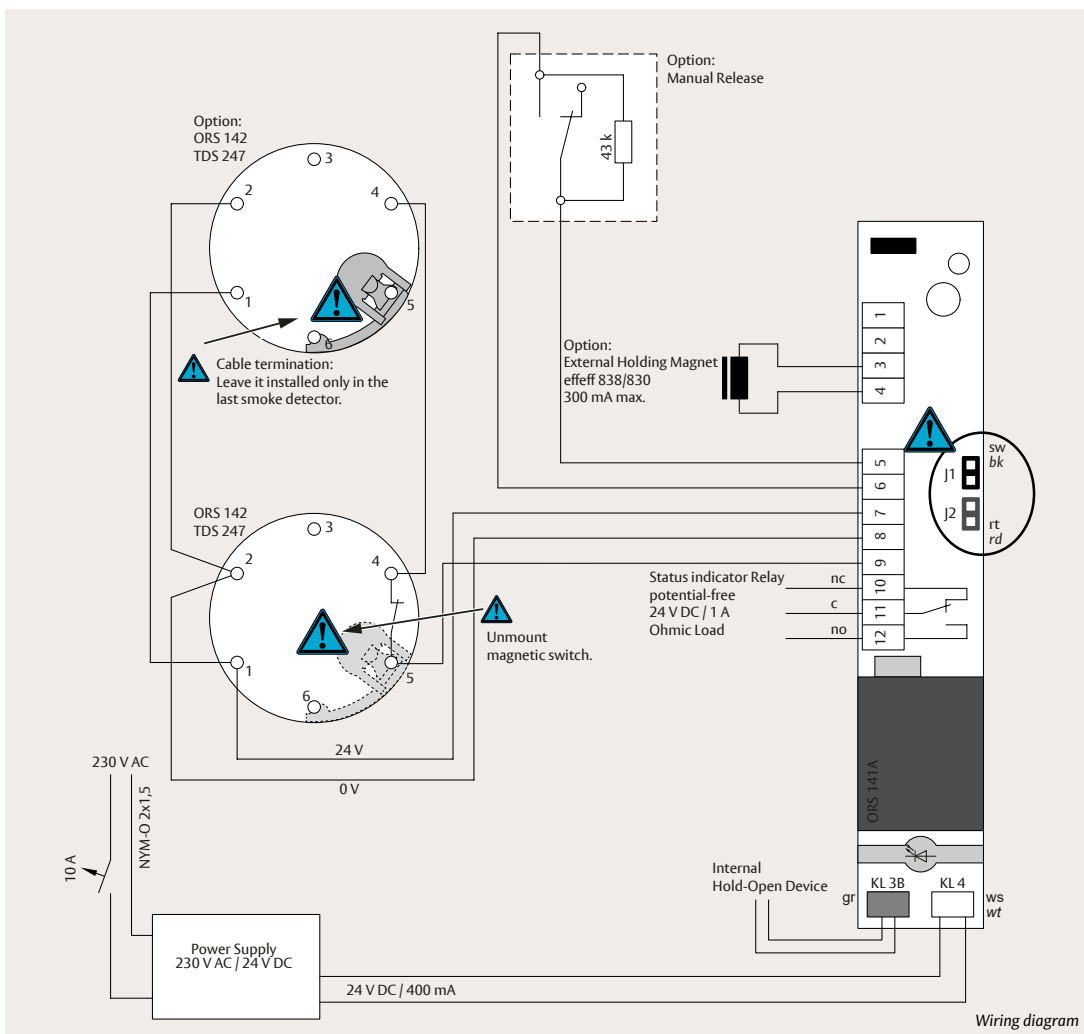
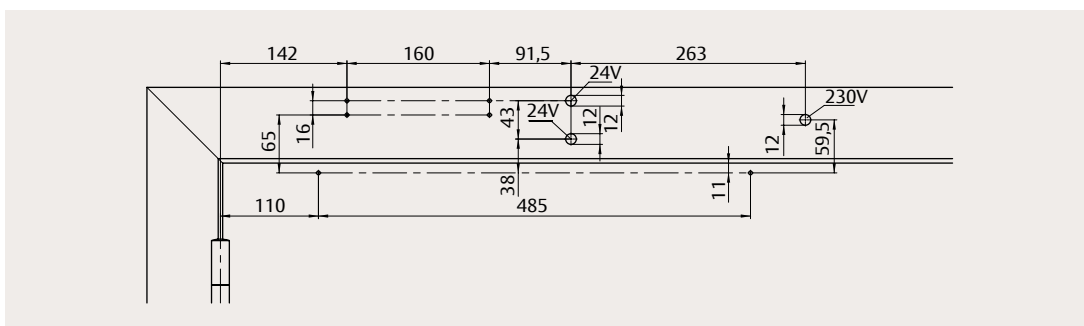
# DC700G-FMS-K

## Space requirement, mounting dimensions and wiring diagram



### Mounting plate frame mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



# DC700G-FMS-K

## Order information



### Door closers

DC700G-FMS-K, frame mounting, EN size 3-6, silver, EV1	DC700FMSK-DEV1-
DC700G-FMS-K, frame mounting, EN size 3-6, white, similar to RAL 9016	DC700FMSK-D9016
DC700G-FMS-K, frame mounting, EN size 3-6, stainless steel design	DC700FMSK-D35--
DC700G-FMS-K, frame mounting, EN size 3-6, customized finish	DC700FMSK-DXXXX

### Guide rails

Guide rail G795, silver, EV1	DCG795----DEV1-
Guide rail G795, white, similar to RAL 9016	DCG795----D9016
Guide rail G795, stainless steel	DCG795----D35--
Guide rail G795, customized finish	DCG795----DXXXX

### Accessories

Mechanical opening damper A153	DCA153-----
Interrupter push-button 1316-10, surface-mounted	1316-10-----00
Interrupter push-button 1317-10, flush-mounted	1317-10-----00
Ceiling mounted smoke detector ORS 142 with base, white, similar to RAL 9010	DCRZ101----9010

DC700G-FMS-K, silver



DC700G-FMS-K, white



DC700G-FMS-K, SS design



G795, silver



G795, white



G795, stainless steel



A153



1316-10



1317-10



ORS 142



## DC700G-CM

Door closer with Cam-Motion® technology, integrated Close-Motion® element and guide rail – for single leaf doors, size 3-6



DC700G-CM with guide rail G150, silver, EV1

Close-Motion® technology softly dampens the door and pulls it slowly, quietly and securely

The DC700 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort. With the integrated Close-Motion element doors shut noise-free, ensuring a quieter, secure environment for everyone.

- Certified in compliance with EN 1154, size 3-6
- Suitable for fire and smoke protection doors (only with optional tamper protection)
- For single leaf doors up to 1400 mm width
- Barrier-free according to CEN/TR 15894

### Colours

- Silver, EV1
- Stainless steel design

### Features

- Height-adjustable, grooved spindle (14 mm) and Close-Motion element with horizontal ( $\pm 6$ mm) and vertical ( $\pm 5$  mm) adjustment for easy installation
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas
- Easy to retrofit using drilling template compliant with EN 1154, supplementary sheet 1

### Guide rail and accessories

- **G150** height-adjustable guide rail (2 mm) with integrated Close-Motion control curve and concealed fastening screws
- **A131** mounting plate for guide rail G150
- **A230/A240/A250/A260** adapter plates for guide rail
- **A275/A276/A277** adapter plates for door closer
- **M220/M225** tamper protection prevents blocking of functional elements; mandatory for fire doors
- **A158** mechanical hold-open device with adjustable hold-open force, keeps doors open at any angle between 80° and 130° (not approved for use on fire and smoke protection doors)
- **A188** mechanical opening damper, continuously adjustable up to an opening angle of max. 130° (does not replace door stop)

### Noise-free and secure door closing



Close quickly



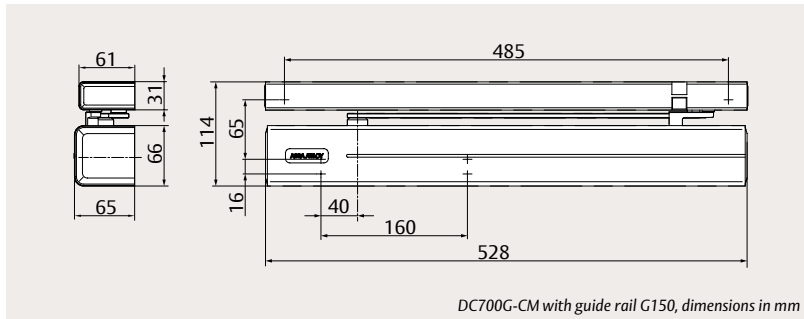
Dampen softly



Shut tight

## DC700G-CM

### Technical attributes and certification



#### Technical attributes

<b>Closing force</b>	EN size 3-6
<b>Maximum leaf width</b>	1400 mm
<b>Closing speed (C)</b>	Variable between 170° and 10°
<b>Latch speed (L)</b>	Variable between 10° and 0°
<b>Backcheck (B)</b>	Variable above 75°
<b>Maximum opening angle</b>	~170°
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Tamper protection</b>	Mandatory for fire doors left- / right-handed
<b>Damping unit</b>	Specific damping function in latch area, from an angle of ≤ 10°
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	66 x 66 x 528 mm

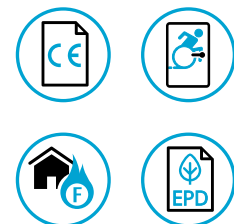


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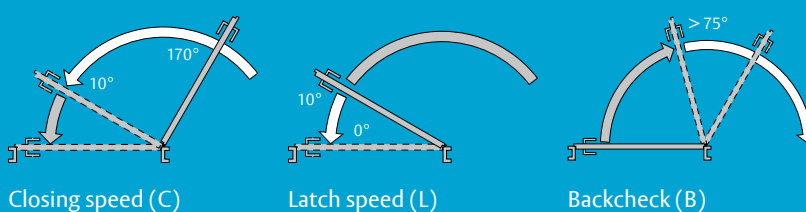


#### Certification and testing

<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	3   8   3-6   1   1   3
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes (only with tamper protection)
<b>Barrier-free according to</b>	CEN/TR 15894



#### Independent adjustment via front-facing valves



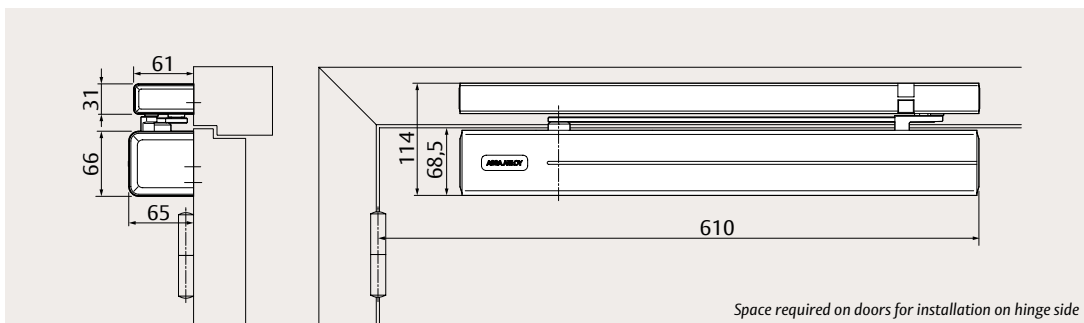


# DC700G-CM

## Space requirement, mounting dimensions and accessories

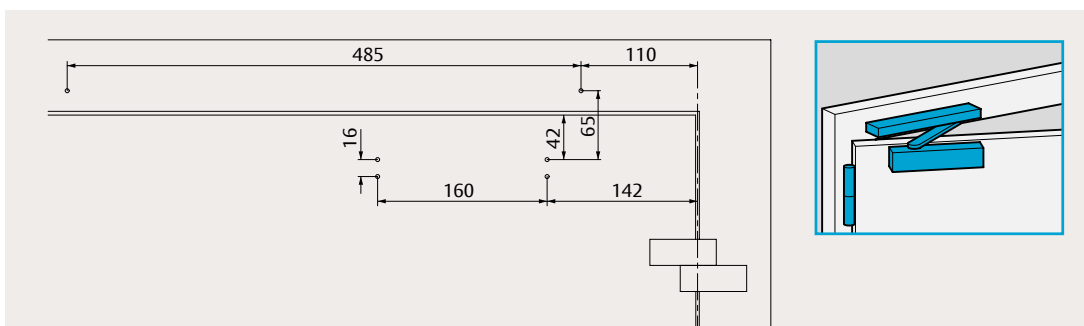


Scan the QR code to watch the installation video

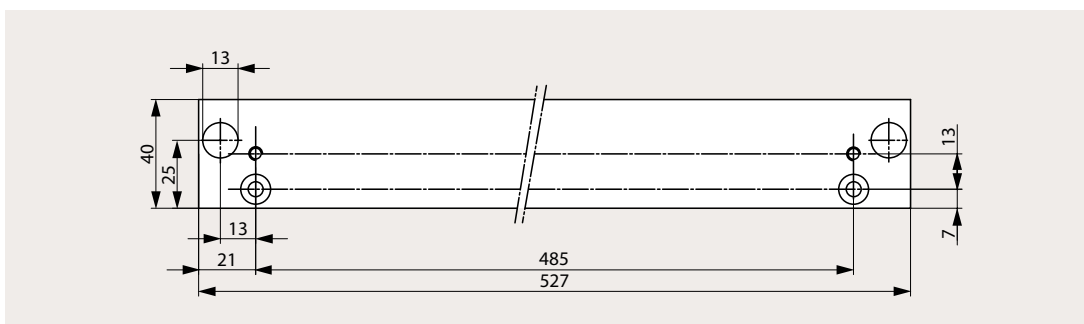


### Direct leaf mounting on hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.

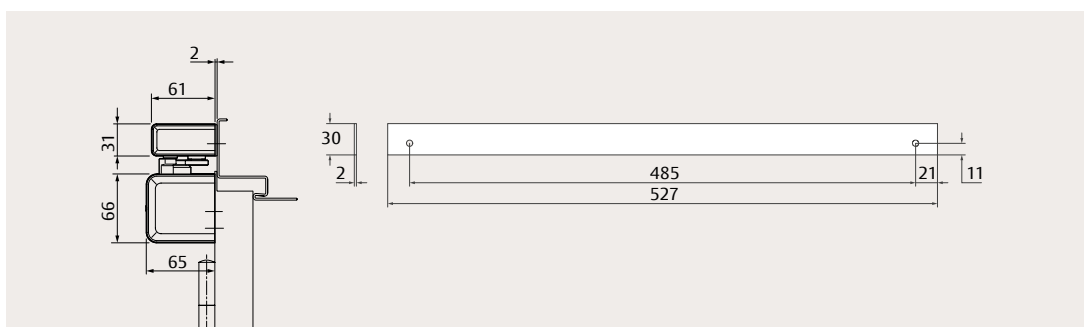


### A131 mounting plate for guide rail



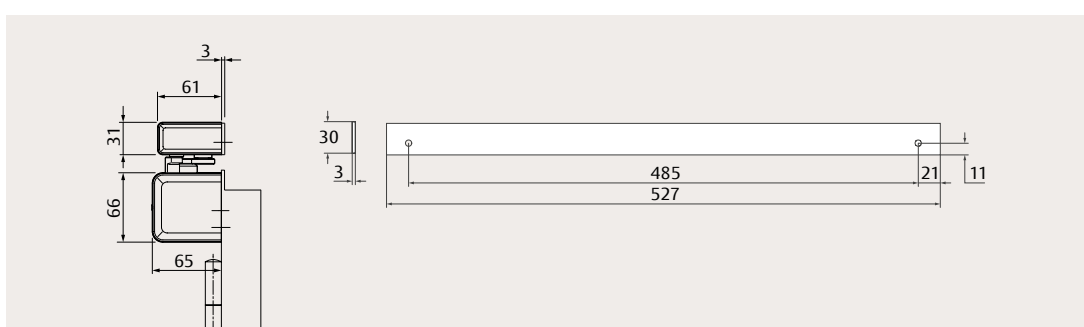
### A230 adapter plate, 2 mm for mounting the guide rail on rebated doors

Combination with A240, A250, A260 possible



### A240 adapter plate, 3 mm for mounting the guide rail on rebated doors

Combination with A230, A250, A260 possible



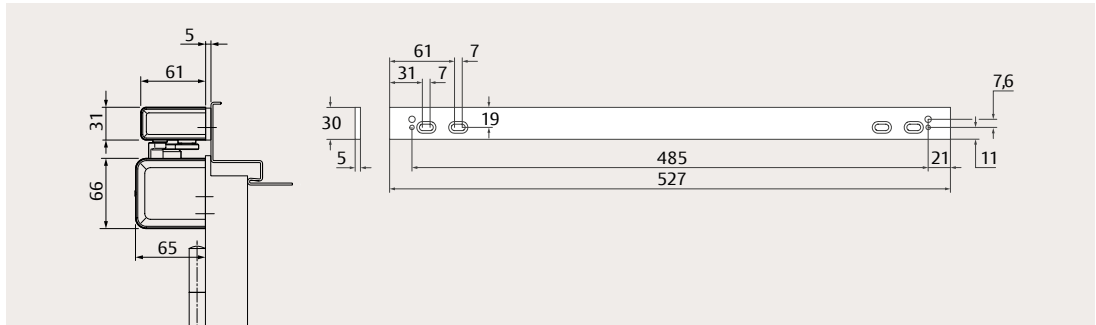
# DC700G-CM

## Accessories

### A250 adapter plate, 5 mm

for mounting the guide rail on rebated doors

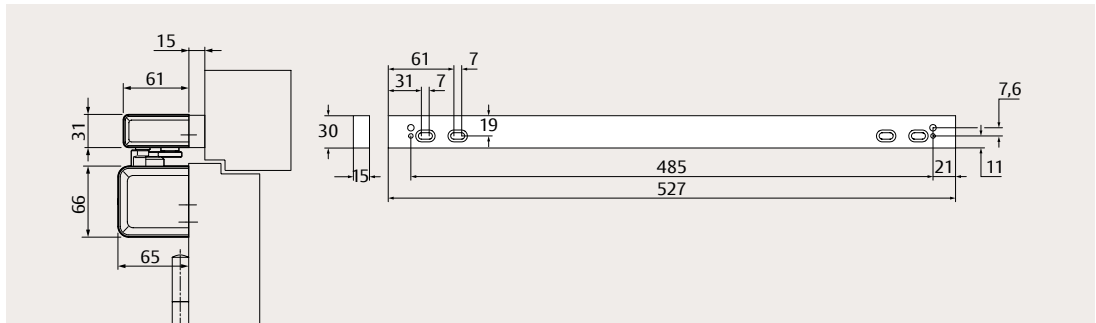
Combination with A230, A240,  
A260 possible



### A260 adapter plate, 15 mm

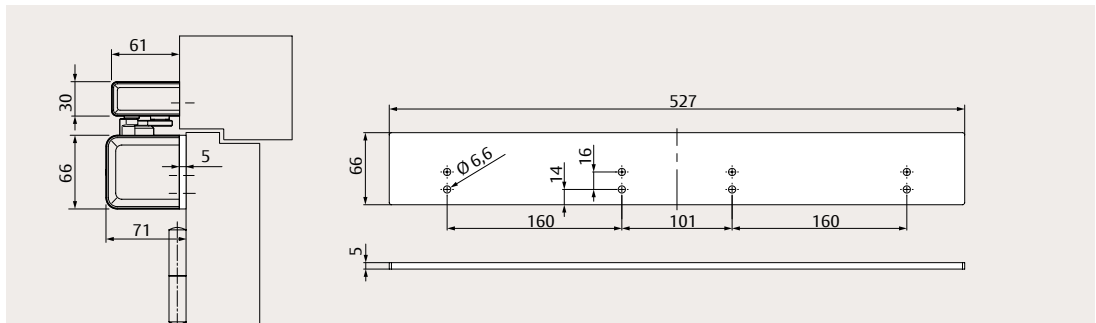
for mounting the guide rail on rebated doors

Combination with A230, A240,  
A250 possible



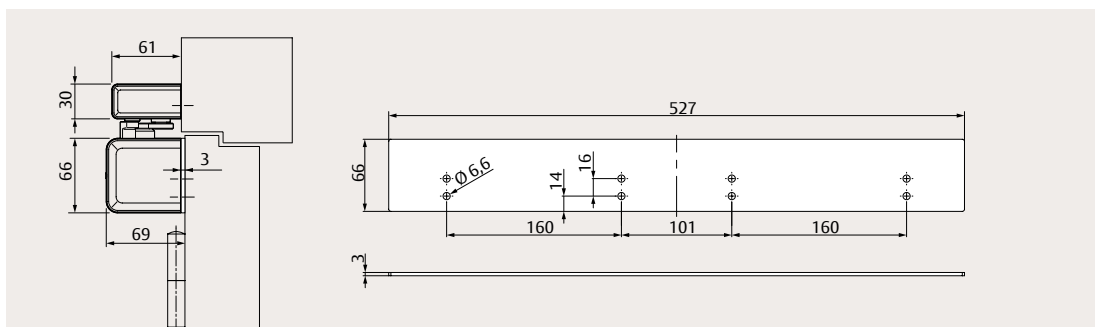
### A275 adapter plate, 5 mm

for mounting the door  
closer on recessed doors



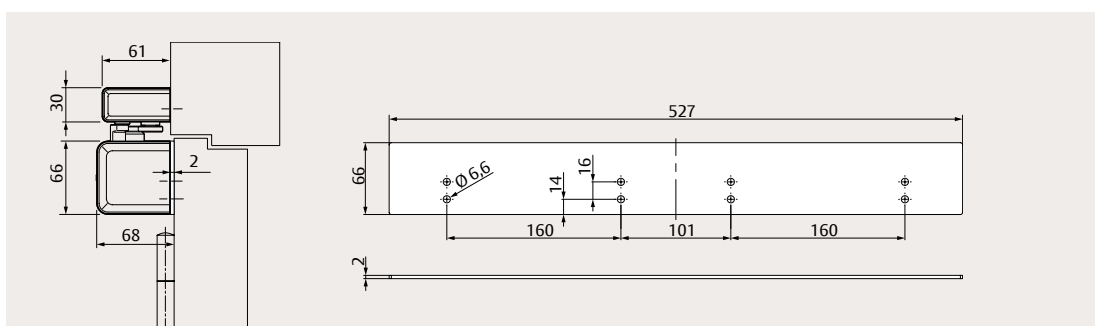
### A276 adapter plate, 3 mm

for mounting the door  
closer on recessed doors



### A277 adapter plate, 2 mm

for mounting the door  
closer on recessed doors



## DC700G-CM

## Order information



## Door closers

DC700G-CM, EN size 3-6, silver, EV1	DC700CM---DEV1-
DC700G-CM, EN size 3-6, stainless steel design	DC700CM---D35--

## Guide rails

Guide rail G150, silver, EV1	DCG150----DEV1-
Guide rail G150, stainless steel design	DCG150----D35--

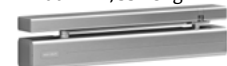
## Accessories

Mounting plate A131, silver, EV1	DCA131-----EV1-
Mounting plate A131, white, similar to RAL 9016	DCA131-----9016
Tamper protection M220, galvanized, for right-handed doors	DCM220-----40
Tamper protection M225, galvanized, for left-handed doors	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-
Adapter plate A275, 5 mm, silver, EV1	DCA275-----EV1-
Adapter plate A276, 3 mm, silver, EV1	DCA276-----EV1-
Adapter plate A277, 2 mm, silver, EV1	DCA277-----EV1-
Mechanical hold-open device A158	DCA158-----
Mechanical opening damper A188	DCA188-----

DC700G-CM, silver



DC700G-CM, SS design



G150, silver



G150, stainless steel



M220



M225



A275



A276



A277



A158



A188



## DC700G-CO-CM

Door closer with Cam-Motion® technology, integrated Close-Motion® element and mechanical door coordinator for double leaf doors, size 3-6



DC700G-CO-CM, silver, EV1

Close-Motion® technology softly dampens the door and pulls it slowly, quietly and securely

The DC700 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort. The Close-Motion element is integrated into the extended door closer housing and the mechanical door coordinator is integrated into the guide rail.

- Certified in compliance with EN 1154/1158, size 3-6
- Suitable for fire and smoke protection doors (only with optional tamper protection)
- For double leaf doors with hinge distance from 1350 mm up to 2500 mm
- Barrier-free according to CEN/TR 15894

### Colours

- Silver, EV1
- Stainless steel design

### Features

- Height-adjustable, grooved spindle (14 mm) and Close-Motion element with horizontal ( $\pm 6$ mm) and vertical ( $\pm 5$  mm) adjustment for easy installation
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas

### Accessories

- **A270/A271/A272/A273** adapter plates for guide rail
- **A275/A276/A277** adapter plates for door closer
- **A158** mechanical hold-open device with adjustable hold-open force, keeps doors open at any angle between 80° and 130° (not approved for use on fire and smoke protection doors)
- **A188** mechanical opening damper, continuously adjustable up to an opening angle of max. 130° (does not replace door stop)

### Noise-free and secure door closing



Close quickly



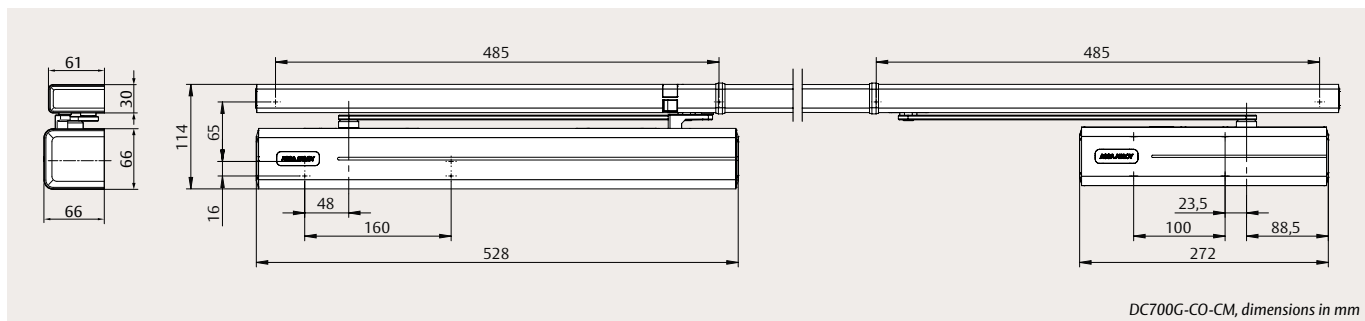
Dampen softly



Shut tight

# DC700G-CO-CM

## Technical attributes and certification



DC700G-CO-CM, dimensions in mm



### Technical attributes

Guide rail G-CO-CM (For door closer information, please see DC700G-CM and DC700.)

<b>Closing force</b>	EN size 3-6
<b>Maximum hinge distance</b>	1350 – 2500 mm
<b>Maximum opening angle</b>	~160°
<b>Door system</b>	Double leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	30 x 61 x * mm (*depends on hinge distance)



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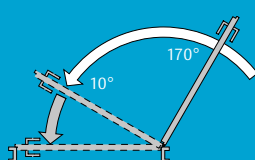


### Certification and testing

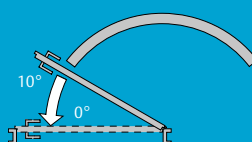
<b>Certified in compliance with</b>	EN 1154, EN 1158
<b>CE classification</b>	3   8   3-6   1   1   3 (EN 1154) 3   5   3-6   1   1   4 (EN 1158)
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894
<b>Third-party verified EPD</b>	ISO 14025, EN 15804



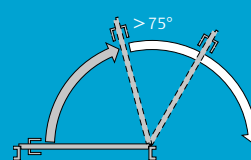
### Independent adjustment via front-facing valves



Closing speed (C)



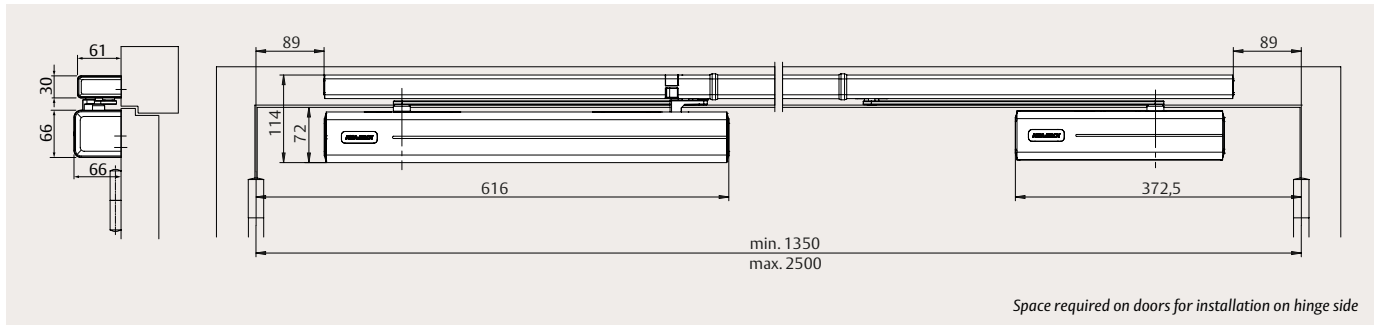
Latch speed (L)



Backcheck (B)

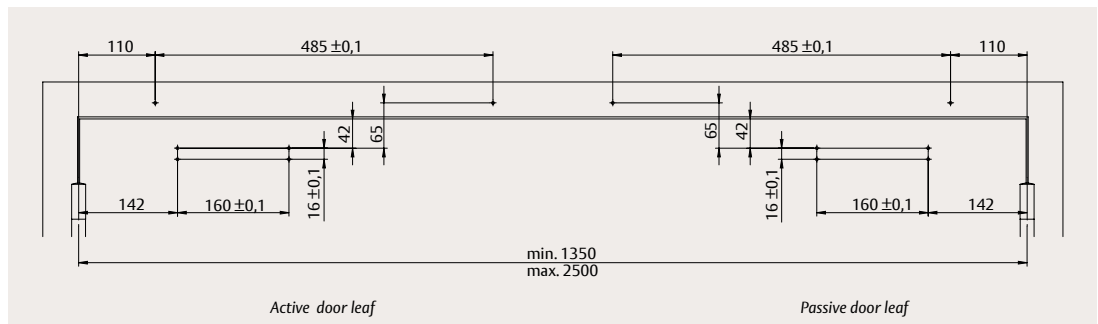
## DC700G-CO-CM

### Space requirement and mounting dimensions



#### Mounting plate leaf mounting on hinge side

The drawing illustrates  
installation on left-handed  
doors. For right-handed doors,  
it is the reverse.



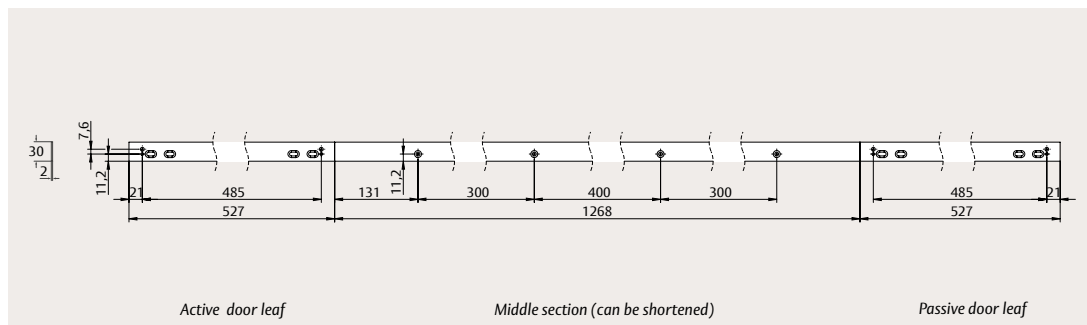
# DC700G-CO-CM

## Accessories

### A270 adapter plate, 2 mm

for mounting the guide rail on rebated doors

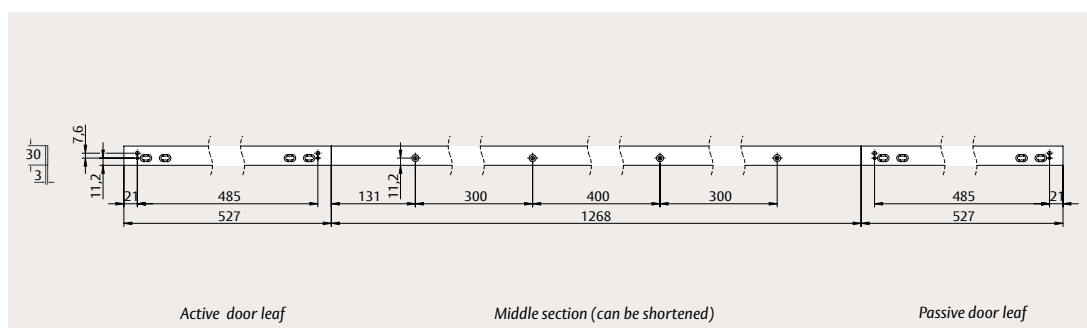
Combination with A271, A272, A273 possible



### A271 adapter plate, 3 mm

for mounting the guide rail on rebated doors

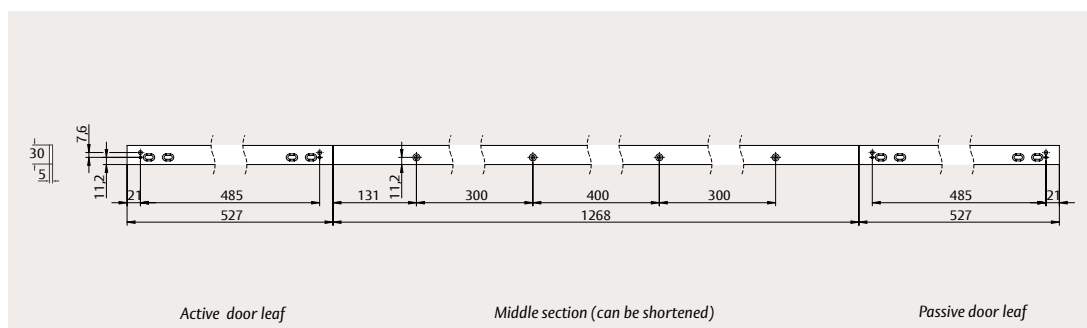
Combination with A270, A272, A273 possible



### A272 adapter plate, 5 mm

for mounting the guide rail on rebated doors

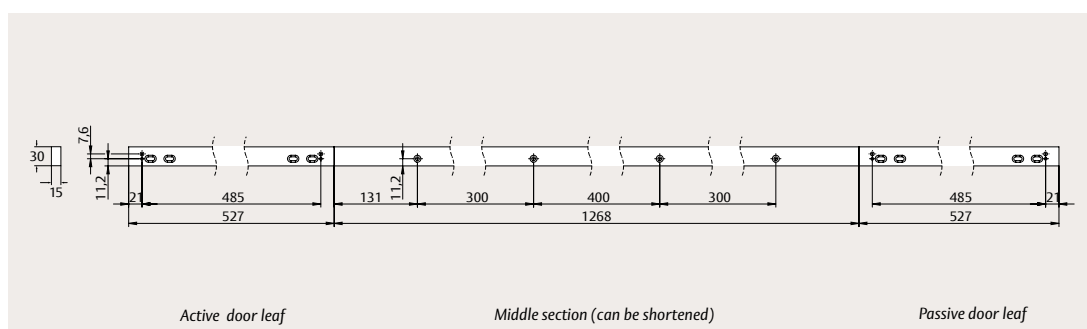
Combination with A270, A271, A273 possible



### A273 adapter plate, 15 mm

for mounting the guide rail on rebated doors

Combination with A270, A271, A272 possible

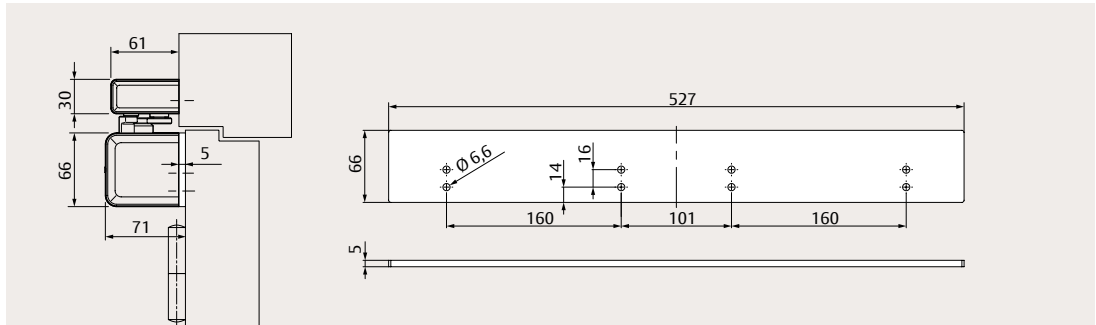


# DC700G-CO-CM

## Accessories

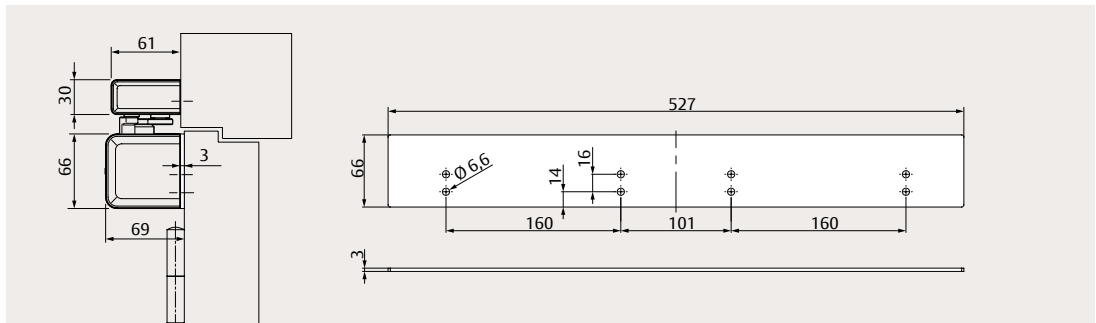
### A275 adapter plate, 5 mm

for mounting the door  
closer on recessed doors



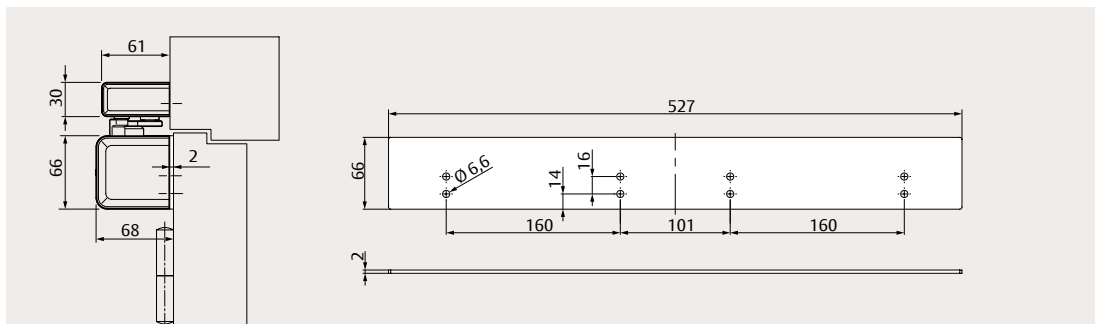
### A276 adapter plate, 3 mm

for mounting the door  
closer on recessed doors



### A277 adapter plate, 2 mm

for mounting the door  
closer on recessed doors





## DC700G-CO-CM

## Order information

For door closer order information, please see DC700G-CM and DC700.



### Guide rails

Close-Motion guide rail with mechanical door coordinator, door width up to 2500 mm, silver, EV1	DCG-21-60-DEV1-
Close-Motion guide rail with mechanical door coordinator, door width up to 2500 mm, stainless steel design	DCG-21-60-D35--

### Accessories

Adapter plate A270, 2 mm, stainless steel	DCA270-----35--
Adapter plate A271, 3 mm, stainless steel	DCA271-----35--
Adapter plate A272, 5 mm, silver, EV1	DCA272-----EV1-
Adapter plate A273, 15 mm, silver, EV1	DCA273-----EV1-
Adapter plate A275, 5 mm, silver, EV1	DCA275-----EV1-
Adapter plate A276, 3 mm, silver, EV1	DCA276-----EV1-
Adapter plate A277, 2 mm, silver, EV1	DCA277-----EV1-
Mechanical hold-open device A158	DCA158-----
Mechanical opening damper A188	DCA188-----

A270



A271



A272



A273



A275



A276



A277



A158



A188



## DC700G-FT

Security door closer with Cam-Motion® technology, integrated latch bolt and escape door strike for single leaf doors, size 3-6



DC700G-FT, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

The DC700 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort. The latch bolt is integrated into the extended mounting plate and the escape door strike is integrated into the extended guide rail.

- Certified in compliance with EN 1154, size 3-6
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1200 mm width
- Barrier-free according to CEN/TR 15894
- Escape door strike tested according to EltVTR

### Colours

- Silver, EV1
- Stainless steel design

### Features

- Height-adjustable, grooved spindle and guide rail compensate installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas
- Easy to retrofit using drilling template compliant with EN 1154, supplementary sheet 1

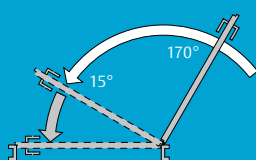
### Product variants

- **DC700G-FT** for hinge side installation
- **DC700G-FT BGS** for non-hinge side installation

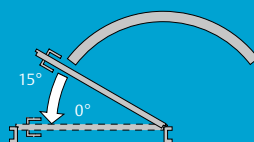
### Accessories

- **DCFA01/DCFA02** spacer plates for shimming the guide rail over ASSA ABLOY drilling pattern, hinge side
- **DCFA03/DCFA04** replacement plates for mounting the guide rail over competitor's drilling pattern, hinge side
- **DCFA05/DCFA06** mounting and replacement plates for mounting the guide rail over ASSA ABLOY drilling pattern and over existing drill holes, hinge side
- **DCFA08** replacement plate for mounting the guide rail over existing drill holes, non-hinge side
- **DCFA09** mounting and replacement plate for mounting the guide rail over ASSA ABLOY drilling pattern and over existing drill holes, non-hinge side
- **A188** mechanical opening damper, continuously adjustable up to an opening angle of max. 130° (does not replace door stop)

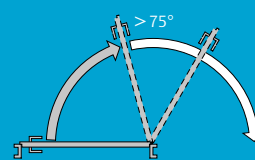
### Independent adjustment via front-facing valves



Closing speed (C)



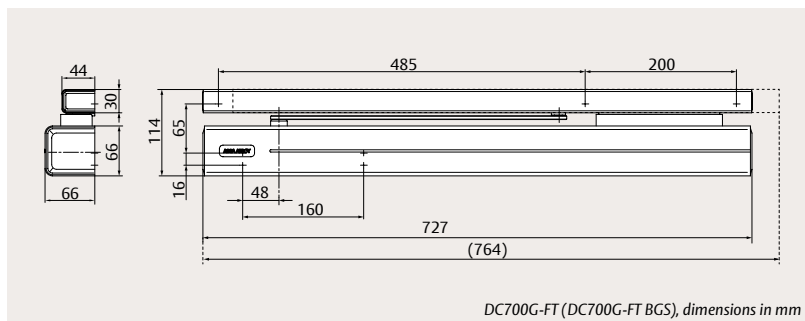
Latch speed (L)



Backcheck (B)

## DC700G-FT

## Technical attributes and certification



## Technical attributes

## Door closer

<b>Closing force</b>	EN size 3-6
<b>Maximum leaf width</b>	950 – 1200 mm
<b>Closing speed (C)</b>	Variable between 170°/120° and 15° (hinge side / non-hinge side)
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Backcheck (B)</b>	Variable above 75°
<b>Maximum opening angle</b>	~170°/120° (hinge side / non-hinge side)
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side (DC700G-FT) Leaf mounting on non-hinge side (DC700G-FT BGS)
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 4 (240 hours)
<b>Dimensions (H x D x L)</b>	66 x 66 x 727 mm

## Escape door strike

<b>Holding force</b>	2000 N
<b>Required power supply</b>	12 V DC / 24 V DC
<b>Rated current</b>	190 mA / 12 V; 95 mA / 24 V
<b>Rated operational voltage tolerance</b>	+/- 10%
<b>Anchor contact</b>	Yes
<b>Free-wheeling diode</b>	Yes
<b>Operating temperature range</b>	-15 °C to +40 °C



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## Certification and testing

<b>Certified in compliance with</b>	EN 1154 (door closer) EltVTR (escape route controller)
<b>CE classification</b>	3   8   3-6   1   1   4
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

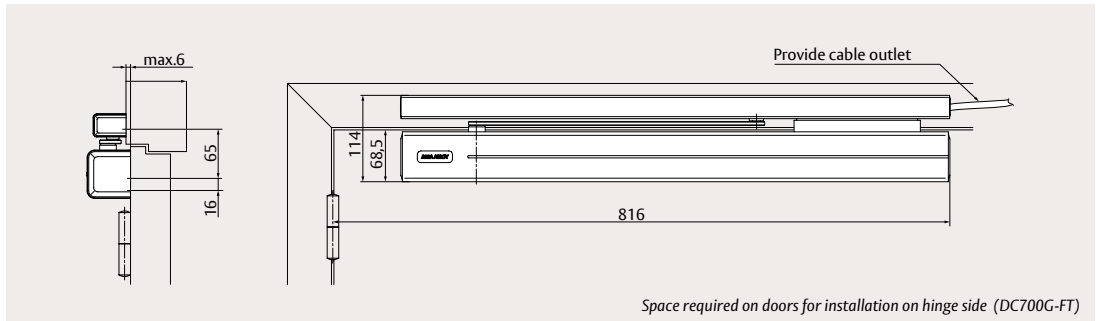


## DC700G-FT

### Space requirement and mounting dimensions

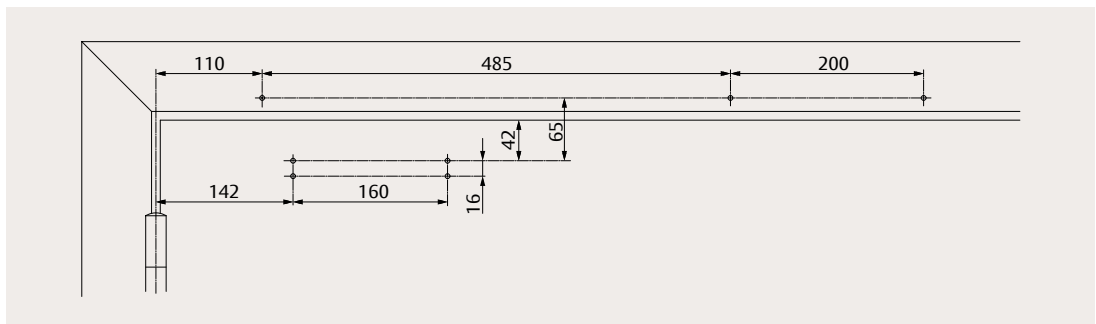


Scan the QR code to watch the installation video



#### Direct leaf mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



#### Note

Flush or surface installation of wiring possible, 4 m connecting cable included.

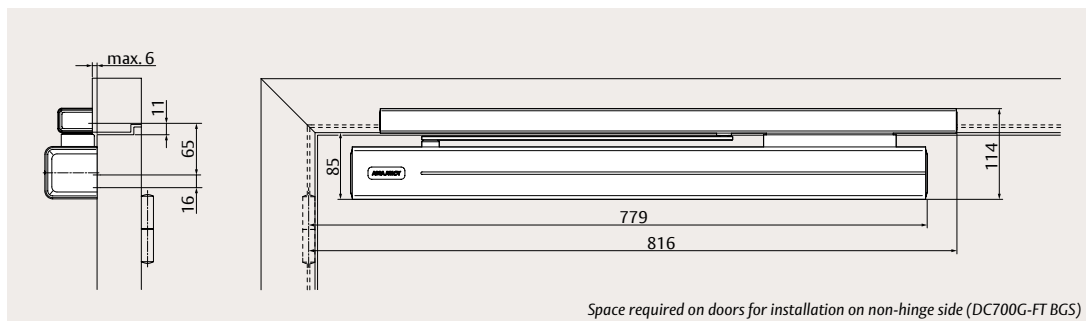
The position of the locking components on the guide rail and mounting plate are designed in such a way that escape door strikes and latch bolt are correctly aligned when installed in a flush position (flush-fitted doors).

Adjustment option on escape door strike (FaFix®) of +/- 1 mm (0.5 mm increments) and latch bolt lock of +6/-3 mm horizontally and +8/-4 mm vertically (4 mm increments) to compensate smaller differences in measurements.

In the case of doors with an overlapping door leaf (narrow or wide rebate), spacer plates must be used to ensure that the guide rail and mounting plate are in a flush position when on top of one another.

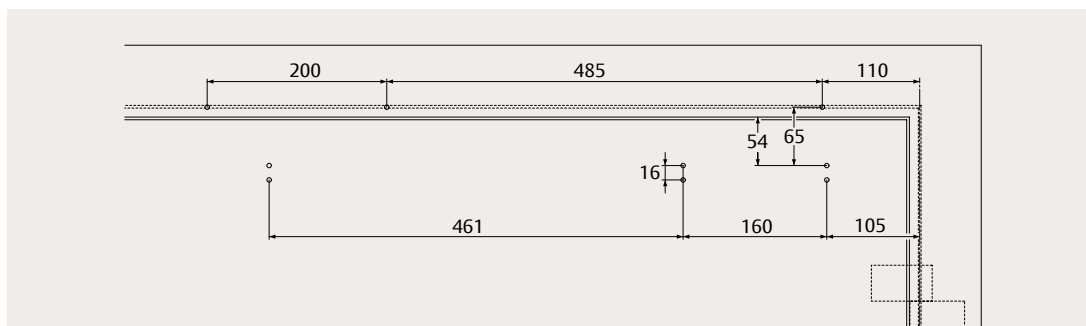
## DC700G-FT

## Space requirement and mounting dimensions



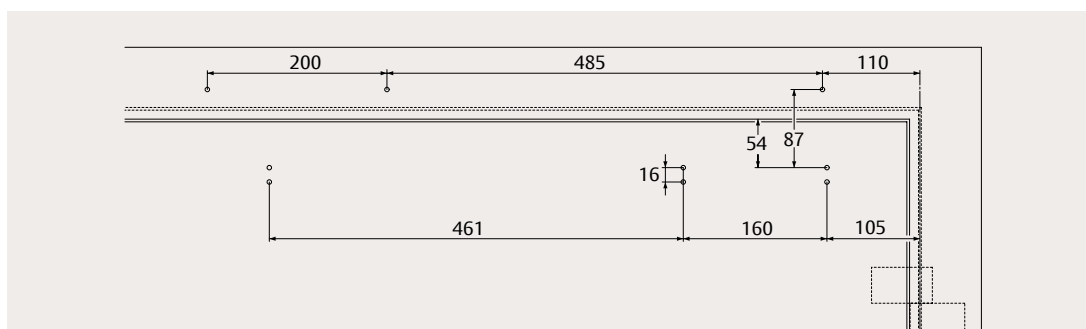
### Direct leaf mounting on non-hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



### Direct leaf mounting on non-hinge side, with guide rail mounting plate for narrow frame

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



#### Note

Flush or surface installation of wiring possible, 4 m connecting cable included.

The position of the locking components on the guide rail and mounting plate are designed in such a way that escape door strikes and latch bolt are correctly aligned when installed in a flush position (flush-fitted doors).

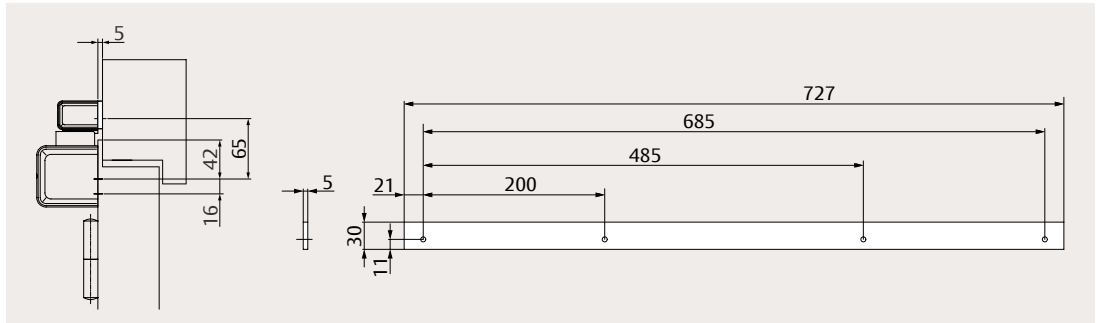
Adjustment option on escape door strike (FaFix®) of  $\pm 1$  mm (0.5 mm increments) and latch bolt lock of  $\pm 6$  mm horizontally and  $\pm 8$  mm vertically (4 mm increments) to compensate smaller differences in measurements.

## DC700G-FT

### Accessories

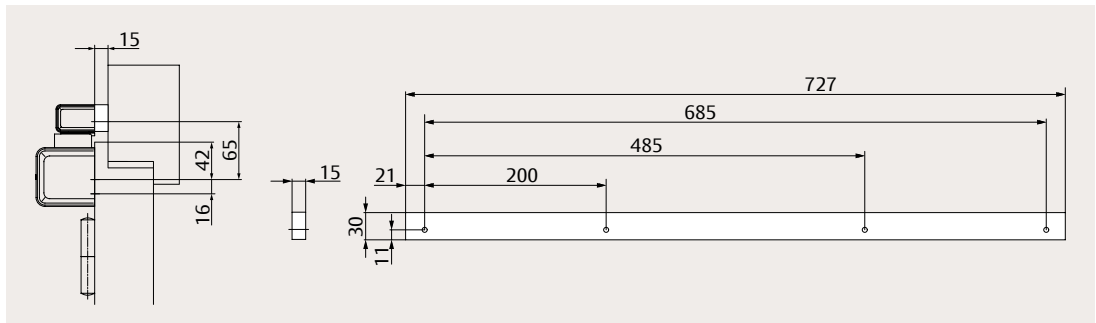
#### DCFA01 spacer plate, 5 mm

for use on narrow rebate doors with a max. door leaf overlap of 8 mm; hinge side



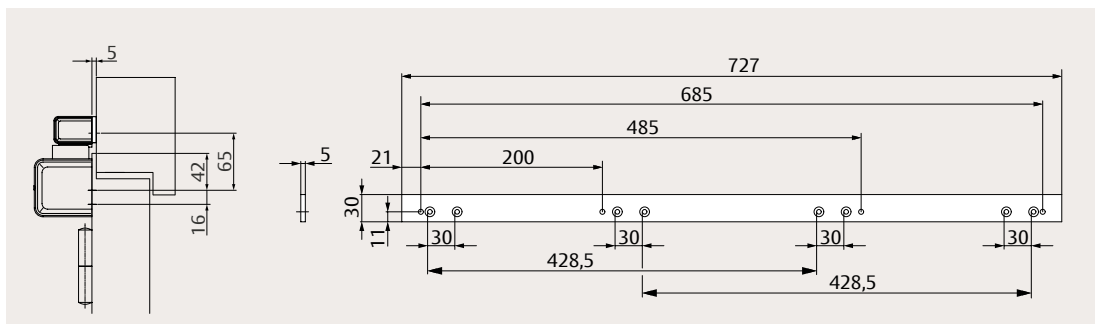
#### DCFA02 spacer plate, 15 mm

for use on wide rebate doors with a max. door leaf overlap of 18 mm; hinge side



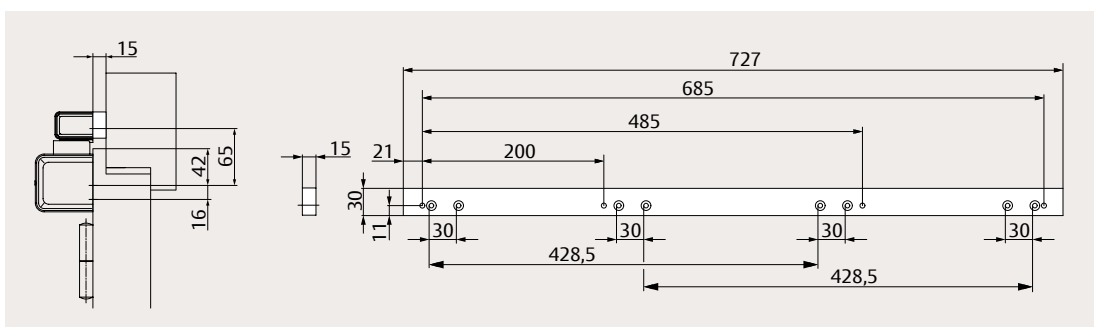
#### DCFA03 spacer and replacement plate, 5 mm

for use on flush doors or narrow rebate doors with a max. door leaf overlap of 8 mm; hinge side



#### DCFA04 spacer and replacement plate, 15 mm

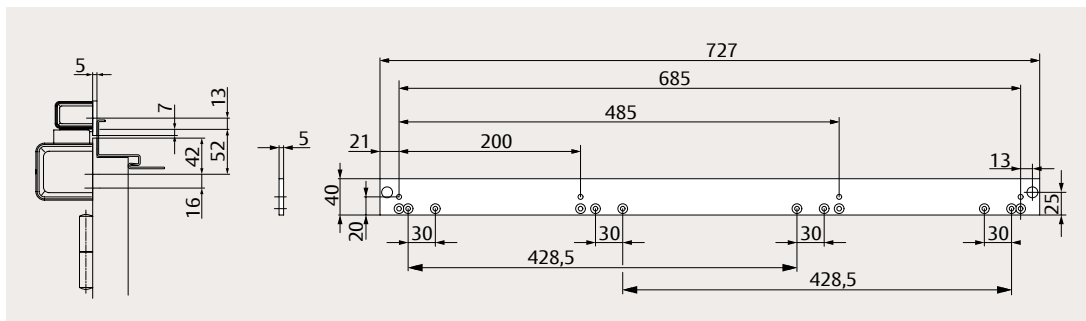
for use on wide rebate doors with a max. door leaf overlap of 18 mm; hinge side



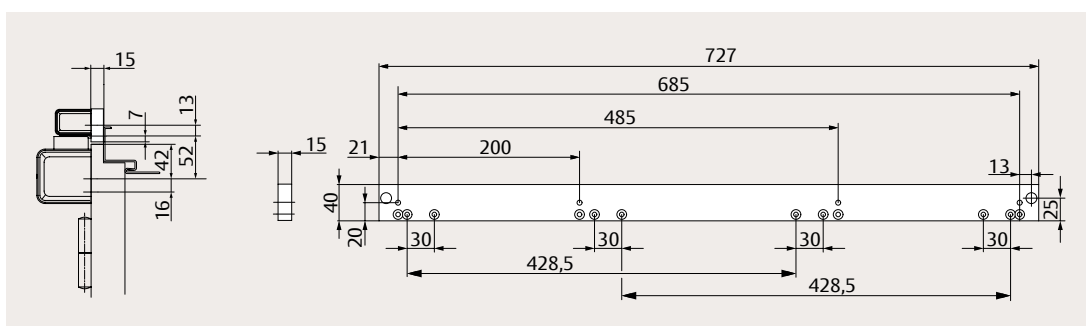
# DC700G-FT

## Accessories

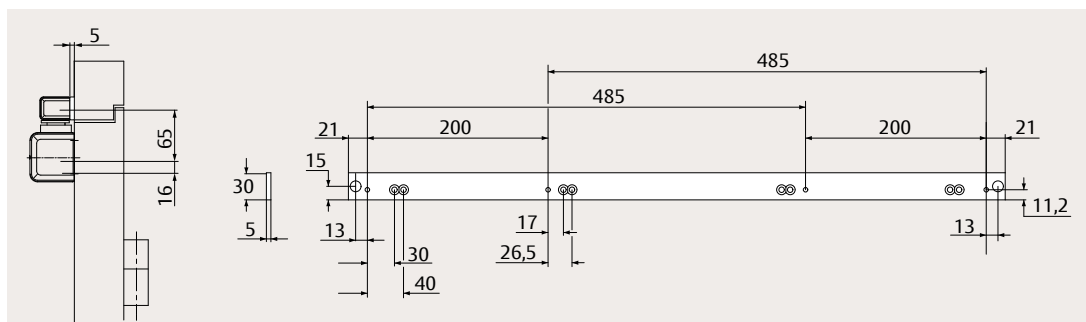
**DCFA05 mounting and replacement plate for narrow frames, 5 mm**  
for use on narrow rebate doors with a max. door leaf overlap of 8 mm; hinge side



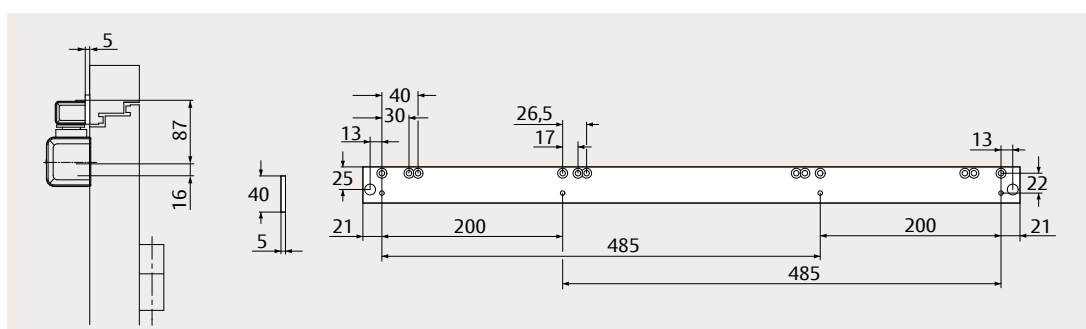
**DCFA06 mounting and replacement plate for narrow frames, 15 mm**  
for use on wide rebate doors with a max. door leaf overlap of 18 mm; hinge side



**DCFA08 replacement plate, 5 mm**  
for use on flush doors; non-hinge side



**DCFA09 mounting and replacement plate for narrow frames, 5 mm**  
for use on narrow frames or metal frame profiles; non-hinge side



# DC700G-FT

## Order information



### Door closers

DC700G-FT, complete, 24 V DC, silver, EV1	DC700FT0-FDEV1-
DC700G-FT, complete, 24 V DC, stainless steel design	DC700FT0-FD35--
DC700G-FT, complete, 12 V DC, silver, EV1	DC700FT0-EDEV1-
DC700G-FT, complete, 12 V DC, stainless steel design	DC700FT0-ED35--
DC700G-FT BGS, complete, 24 V DC, silver, EV1	DC700FT1-FDEV1-
DC700G-FT BGS, complete, 24 V DC, stainless steel design	DC700FT1-FD35--
DC700G-FT BGS, complete, 12 V DC, silver, EV1	DC700FT1-EDEV1-
DC700G-FT BGS, complete, 12 V DC, stainless steel design	DC700FT1-ED35--

### Accessories

Spacer plate for DC700G-FT, 5 mm, for narrow rebate doors, silver, EV1	DCFA01-----EV1-
Spacer plate for DC700G-FT, 15 mm, for wide rebate doors, silver, EV1	DCFA02-----EV1-
Spacer / replacement plate for DC700G-FT, 5 mm, for competitor's guide rail drilling pattern, silver, EV1	DCFA03-----EV1-
Spacer / replacement plate for DC700G-FT, 15 mm, for competitor's guide rail drilling pattern, silver, EV1	DCFA04-----EV1-
Mounting / replacement plate for DC700G-FT, 5 mm, for narrow frame, silver, EV1	DCFA05-----EV1-
Mounting / replacement plate for DC700G-FT, 15 mm, for narrow frame, silver, EV1	DCFA06-----EV1-
Replacement plate for DC700G-FT BGS, 5 mm, for flush doors, silver, EV1	DCFA08-----EV1-
Mounting / replacement plate for DC700G-FT BGS, 5 mm, for narrow frame, silver, EV1	DCFA09-----EV1-
Mechanical opening damper A188	DCA188-----

DC700G-FT



DC700G-FT BGS



DCFA01



DCFA02



DCFA03



DCFA04



DCFA05



DCFA06



DCFA08



DCFA09



A188





## DC700G-CO-FT

Security door closer with Cam-Motion® technology, integrated latch bolt, escape door strike and mechanical door coordinator – for double leaf doors, size 3-6



DC700G-CO-FT, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

The DC700 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort. The latch bolt is integrated into the extended mounting plate. The escape door strike and mechanical door coordinator are integrated into the extended guide rail.

- Certified in compliance with EN 1154/1158, size 3-6
- Suitable for fire and smoke protection doors
- For double leaf doors with hinge distance from 1480 mm up to 2500 mm
- Barrier-free according to CEN/TR 15894
- Escape door strike tested according to EltVTR

### Colours

- Silver, EV1
- Stainless steel design

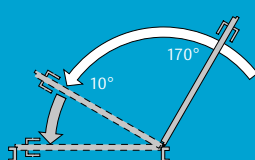
### Features

- Height-adjustable, grooved spindle and guide rail compensate installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas
- Easy to retrofit using drilling template compliant with EN 1154, supplementary sheet 1

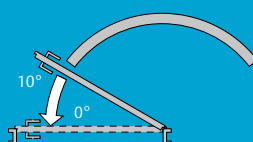
### Guide rails and accessories

- **DCFA10/DCFA11** spacer plates for shimming guide rails over ASSA ABLOY drilling pattern
- **DCFA12/DCFA13** mounting and replacement plates for mounting over ASSA ABLOY drilling pattern and over existing drill holes when the guide rail is replaced
- **A188** mechanical opening damper, continuously adjustable up to an opening angle of max. 130° (does not replace door stop)

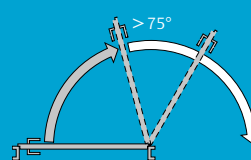
### Independent adjustment via front-facing valves



Closing speed (C)



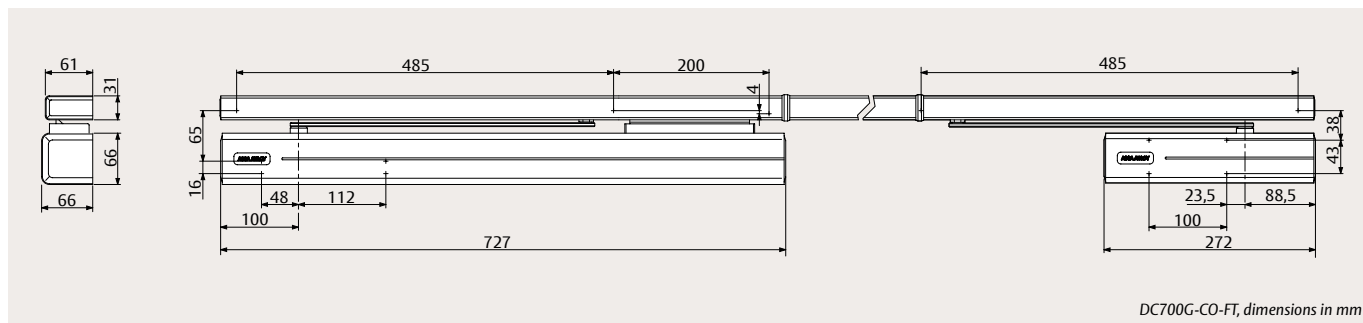
Latch speed (L)



Backcheck (B)

# DC700G-CO-FT

## Technical attributes and certification



### Technical attributes

Guide rail G-CO-FT (For door closer information, please see DC700G-FT and DC700.)

<b>Closing force</b>	EN size 3-6
<b>Maximum active leaf width</b>	1200 mm
<b>Maximum hinge distance</b>	1480 – 2500 mm
<b>Maximum opening angle</b>	~170°
<b>Door system</b>	Double leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	31 x 61 x * mm (*depends on hinge distance)
<b>Escape door strike</b>	
<b>Holding force</b>	2000 N
<b>Required power supply</b>	24 V DC
<b>Rated current</b>	95 mA / 24 V
<b>Rated operational voltage tolerance</b>	+/- 10%
<b>Anchor contact</b>	Yes
<b>Free-wheeling diode</b>	Yes
<b>Operating temperature range</b>	-15 °C to +40 °C



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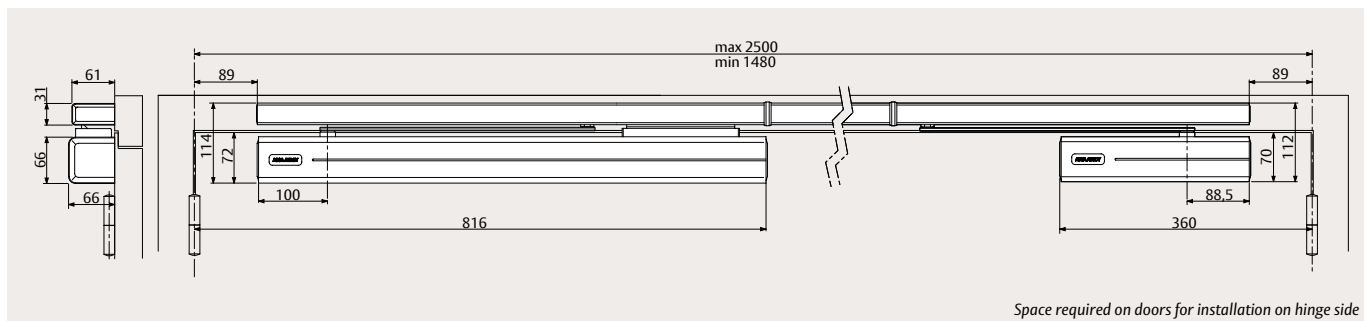
### Certification and testing

<b>Certified in compliance with</b>	EN 1154 (door closer) EN 1158 (coordinator) EltVTR (escape route controller)
<b>CE classification</b>	3   8   3-6   1   1   3
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

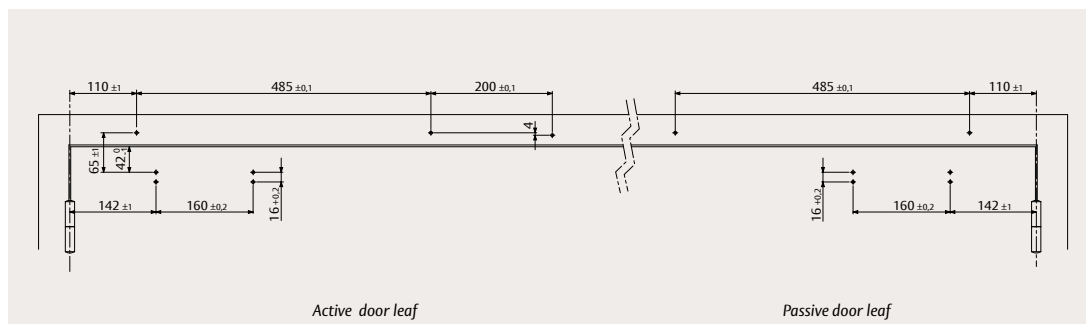


## DC700G-CO-FT

## Space requirement and mounting dimensions

Mounting plate  
leaf mounting  
on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



## Note

Flush or surface installation of wiring possible, 4 m connecting cable included.

The position of the locking components on the guide rail and mounting plate are designed in such a way that escape door strikes and latch bolt are correctly aligned when installed in a flush position (flush-fitted doors).

Adjustment option on escape door strike (FaFix®) of +/- 1 mm (0.5 mm increments) and latch bolt lock of +6/-3 mm horizontally and +8/-4 mm vertically (4 mm increments) to compensate smaller differences in measurements.

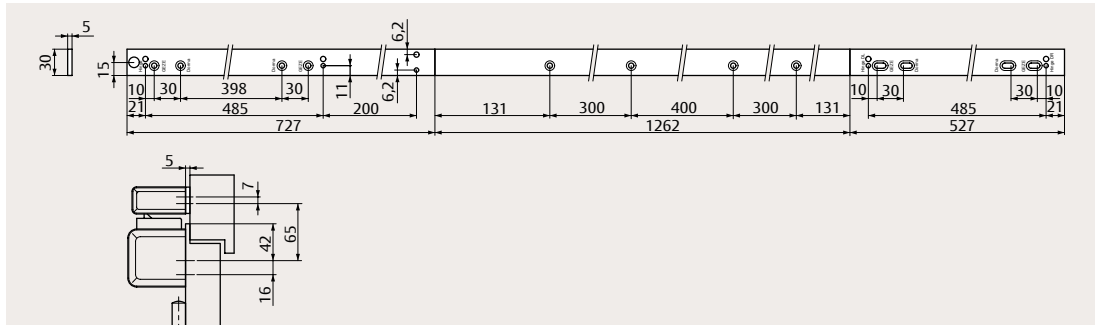
In the case of doors with an overlapping door leaf (narrow or wide rebate), the following spacer plates must be used to ensure that the guide rail and mounting plate are in a flush position when on top of one another.

# DC700G-CO-FT

## Accessories

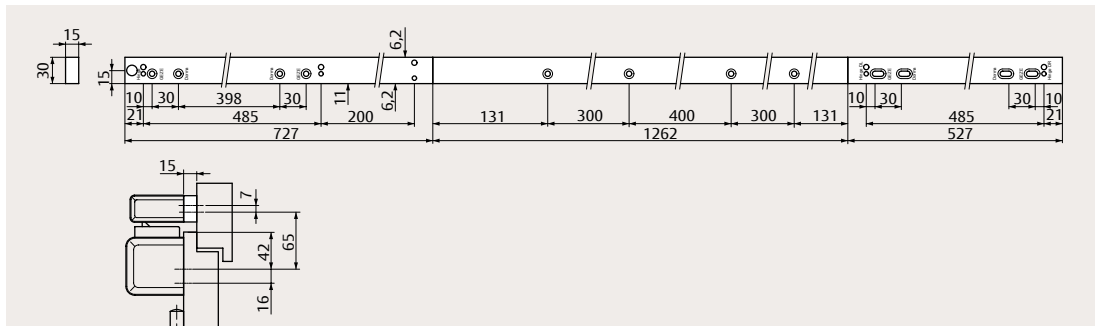
### DCFA10 spacer and replacement plate, 5 mm

for use on narrow rebate doors



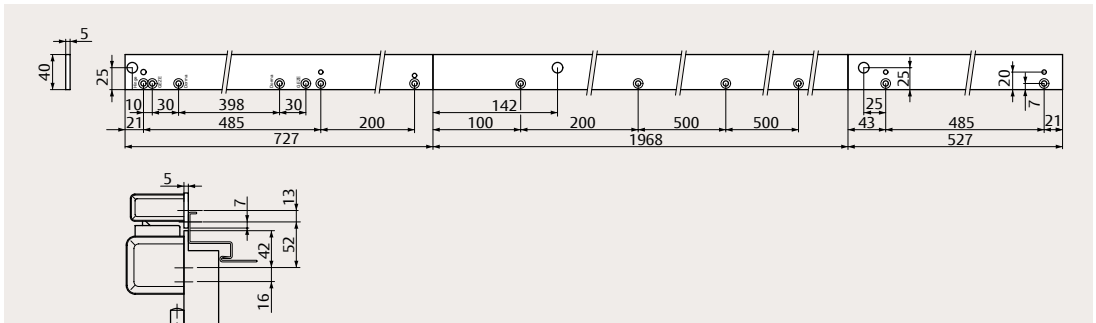
### DCFA11 spacer and replacement plate, 15 mm

for use on wide rebate doors



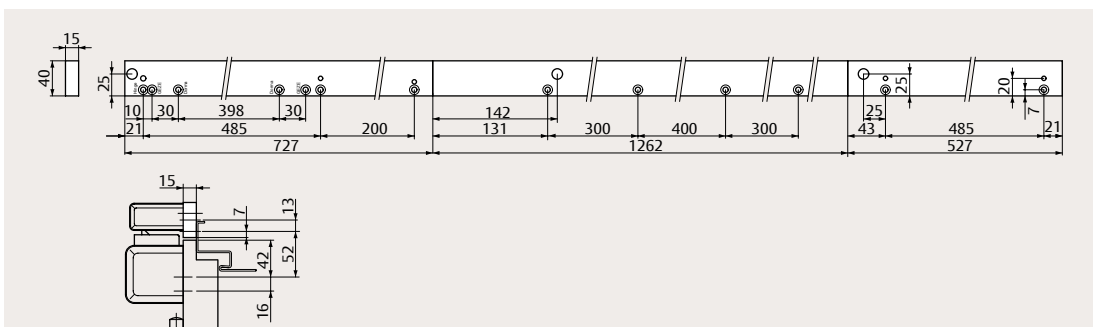
### DCFA12 mounting and replacement plate for narrow frames, 5 mm

for use on flush doors or narrow rebate doors



### DCFA13 mounting and replacement plate for narrow frames, 15 mm

for use on wide rebate doors



## DC700G-CO-FT

## Order information

**Door closers**

DC700G-CO-FT, including DC700 + A120 for passive leaf, silver, EV1	DC700FT2--DEV1-
DC700G-CO-FT, including DC700 + A120 for passive leaf, stainless steel design	DC700FT2--D35--

**Guide rails**

Guide rail for security door closer, double leaf, with door coordinator, 24 V DC, door width up to 2500 mm, silver, EV1	DCG-21-70FDEV1-
Guide rail for security door closer, double leaf, with door coordinator, 24 V DC, door width up to 2500 mm, stainless steel design	DCG-21-70FD35--

**Accessories**

Spacer / replacement plate set for guide rail G-CO-FT, for narrow rebate doors, 5 mm, door width up to 2500 mm, silver, EV1	DCFA10-----EV1-
Spacer / replacement plate set for guide rail G-CO-FT, for wide rebate doors, 15 mm, door width up to 2500 mm, silver, EV1	DCFA11-----EV1-
Mounting / replacement plate set for guide rail G-CO-FT, for narrow frames, 5 mm, door width up to 2500 mm, silver, EV1	DCFA12-----EV1-
Mounting / replacement plate set for guide rail G-CO-FT, for narrow frames, 15 mm, door width up to 2500 mm, silver, EV1	DCFA13-----EV1-
Mechanical opening damper A188	DCA188-----

DC700G-CO-FT, silver



A188



## DC700 with G462 / G464

Door closer with Cam-Motion® technology, integrated mechanical door coordinator and electro-mechanical hold-open device(s) for double leaf doors, size 3-6



DC700 with guide rail G462 / G464, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

The DC700 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort. The mechanical door coordinator and electro-mechanical hold-open devices are integrated into the guide rail.

- Certified in compliance with EN 1154, EN 1155 and EN 1158, size 3-6
- Suitable for fire and smoke protection doors
- For double leaf doors with hinge distance from 1350/1400 mm up to 2800 mm
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Brown, similar to RAL 8014
- Black, similar to RAL 9005
- Stainless steel, design & full cover
- Customized colours on request

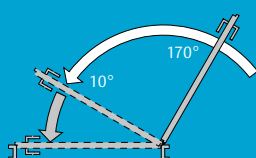
### Features

- Suitable for hinge side and non-hinge side mounting (non-hinge side requires hook arm)
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Carry bar guarantees correct closing sequence (passive leaf closes before active leaf)
- Versatile application due to option of keeping either active or both door leaves open
- Integrated hold-open device keeps doors open at any angle between 70° and 130° (120° for non-hinge side installations)

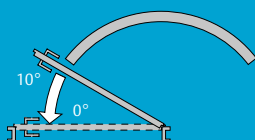
### Guide rails and accessories

- **G462** guide rail with integrated mechanical coordinator with two electro-mechanical hold-open devices with adjustable hold-open force
- **G464** guide rail with integrated mechanical coordinator with one electro-mechanical hold-open device with adjustable hold-open force
- **A115** mounting plate for guide rail
- **A116/A117** angle brackets for guide rail, non-hinge side mounting
- **G120** hook arm for non-hinge side mounting
- **A101/A102** carry bars, installed on the passive door leaf, enable correct opening sequence of double doors
- **A177** smoke protection detector
- **A178** flush-mounted release button for manual release of hold-open
- **A191** mechanical opening damper for guide rail G464, installed on the active door leaf (does not replace door stop)

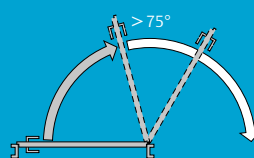
### Independent adjustment via front-facing valves



Closing speed (C)



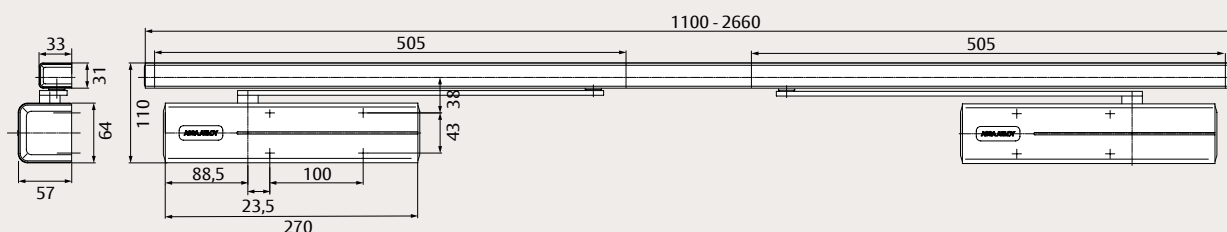
Latch speed (L)



Backcheck (B)

## DC700 with G462 / G464

## Technical attributes and certification



DC700 with G462/G464, dimensions in mm



## Technical attributes

Guide rail G462/G464 (For door closer information, please see DC700/DC500/DC340.)

Closing force	EN size 3-6
Maximum hinge distance	1350/1400 – 2800 mm (hinge side / non-hinge side)
Maximum opening angle of active leaf	DC700, DC500: 170°/105° (hinge side / non-hinge side) DC700AC, DC340: 180°/105° (hinge side / non-hinge side)
Hold-open angle of passive leaf	70°–130°/120° (hinge side / non-hinge side)
Mounting options	Leaf mounting on hinge or non-hinge side
Door system	Double leaf
Force adjustment	Yes
Height adjustment	Yes
Corrosion resistance	Grade 3 (96 hours)
Dimensions (H x D x L)	31 x 33 x * mm (*depends on hinge distance)
Required power supply	24 V DC



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download all relevant  
product literature



## Certification and testing

Certified in compliance with	EN 1154, EN 1155, EN 1158
CE classification	3   8   3-6   1   1   4 (EN 1154) 3   8   3-6   1   1   3 (EN 1155) 3   8   3-6   1   1   3 (EN 1158)
CE / UKCA mark	Yes
Suitable for fire and smoke protection doors	Yes
Barrier-free according to	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
Third-party verified EPD	ISO 14025, EN 15804

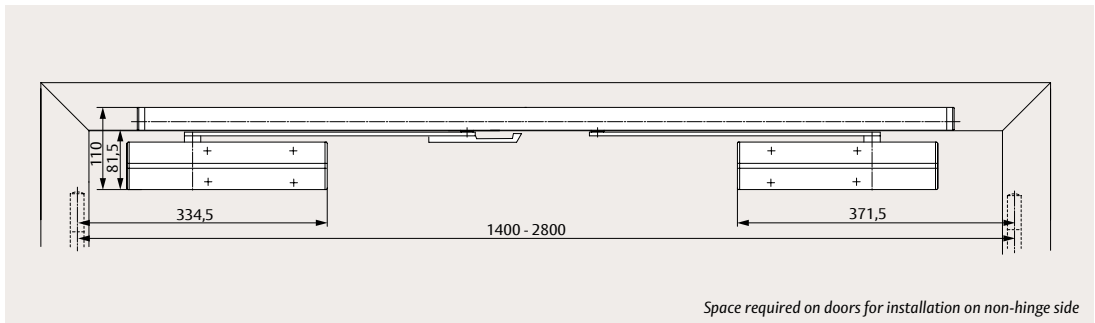
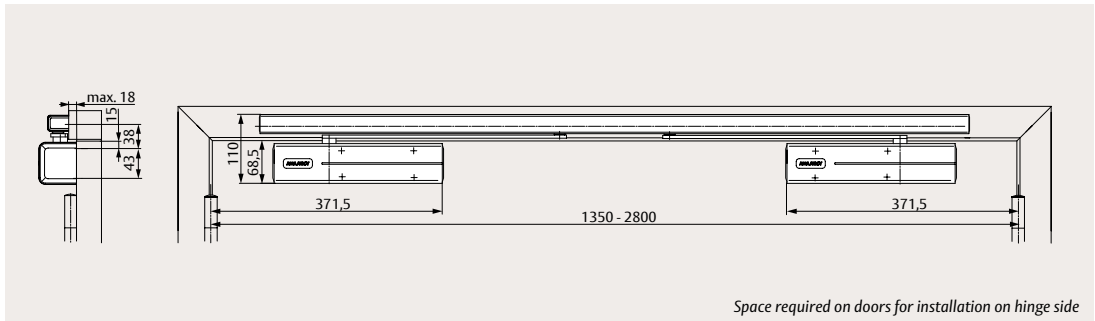


## DC700 with G462 / G464

### Space requirement and mounting dimensions

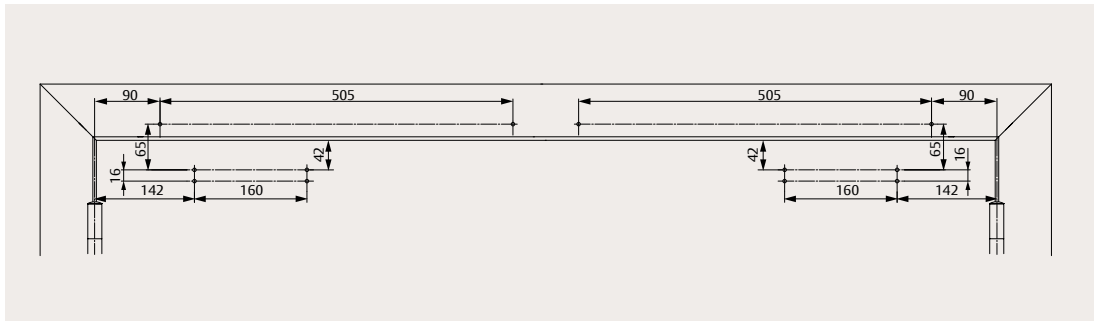


Scan the QR code  
to watch the  
installation video



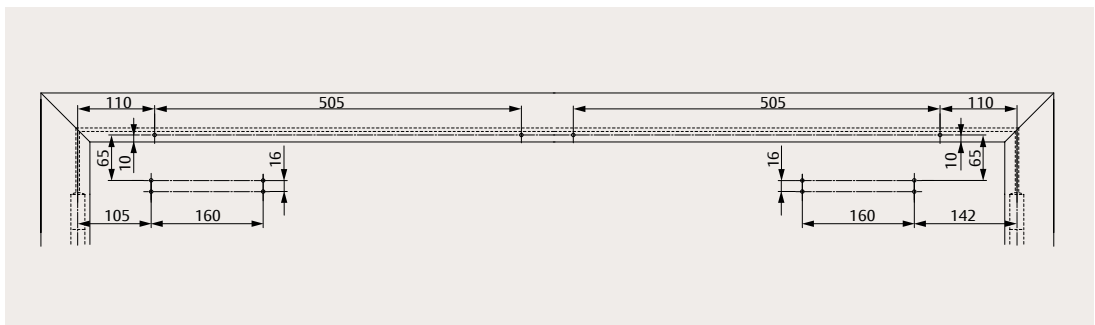
#### Mounting plate mounting on hinge side

The right-handed door is  
the active door leaf. The left-  
handed door is the passive  
door leaf.



#### Mounting plate mounting on non-hinge side

The right-handed door is  
the active door leaf. The left-  
handed door is the passive  
door leaf.





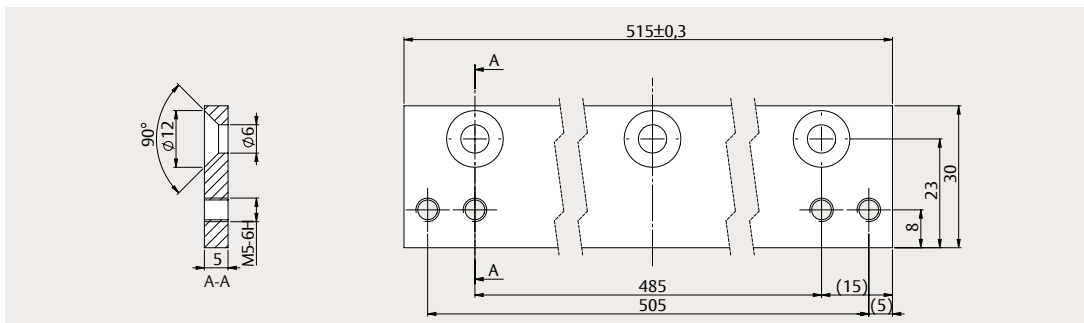
# DC700 with G462 / G464

## Accessories

The full list of accessories is available under order information.

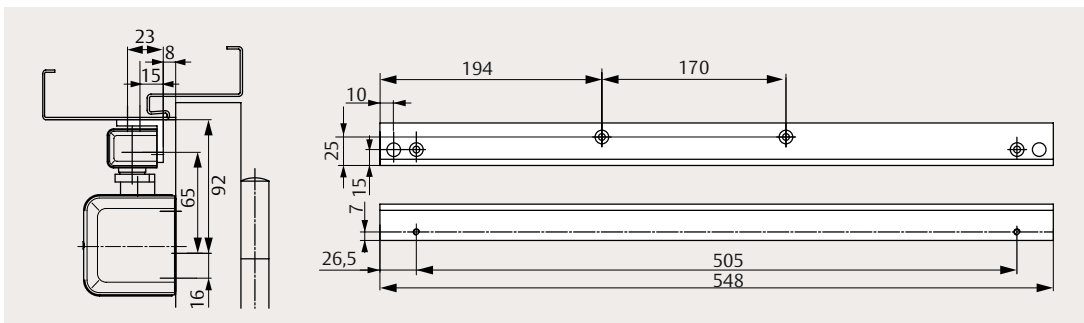
### A115 mounting plate for guide rail

1pc for active door leaf  
1pc for passive door leaf

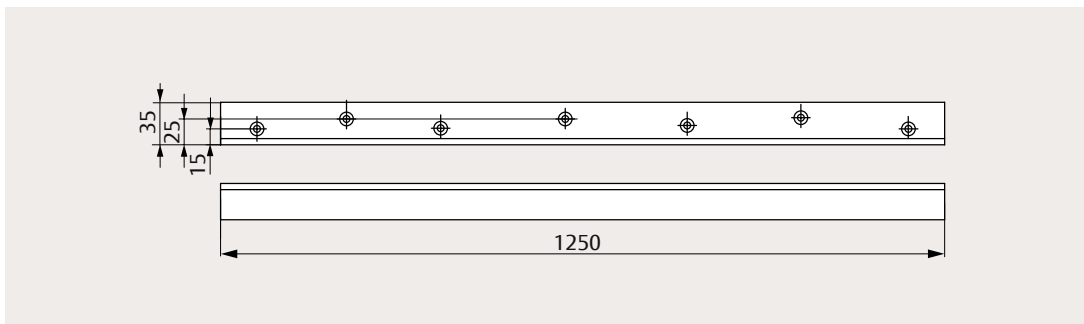


### A116 angle bracket for guide rail, non-hinge side mounting

1pc for active door leaf  
1pc for passive door leaf



### A117 angle bracket for guide rail, non-hinge side mounting



# DC700 with G462 / G464

## Order information

For door closer order information, please see DC700/DC500/DC340.



### Guide rails

G462 with mechanical coordinator and two electro-mechanical hold-open devices, silver, EV1	DCC462----DEV1-
G462 with mechanical coordinator and two electro-mechanical hold-open devices, white, similar to RAL 9016	DCC462----D9016
G462 with mechanical coordinator and two electro-mechanical hold-open devices, brown, similar to RAL 8014	DCC462----D8014
G462 with mechanical coordinator and two electro-mechanical hold-open devices, black, similar to RAL 9005	DCC462----D9005
G462 with mechanical coordinator and two electro-mechanical hold-open devices, stainless steel	DCC462----D35--
G462 with mechanical coordinator and two electro-mechanical hold-open devices, customized finish	DCC462----DXXXX
G464 with mechanical coordinator and one electro-mechanical hold-open device, silver, EV1	DCC464----DEV1
G464 with mechanical coordinator and one electro-mechanical hold-open device, white, similar to RAL 9016	DCC464----D9016
G464 with mechanical coordinator and one electro-mechanical hold-open device, brown, similar to RAL 8014	DCC464----D8014
G464 with mechanical coordinator and one electro-mechanical hold-open device, black, similar to RAL 9005	DCC464----D9005
G464 with mechanical coordinator and one electro-mechanical hold-open device, stainless steel	DCC464----D35--
G464 with mechanical coordinator and one electro-mechanical hold-open device, customized finish	DCC464----DXXXX

### Accessories

Carry bar A101 for hinge side mounting	DCA101-----
Carry bar A102 for non-hinge side mounting	DCA102-----
Mounting plate A115, silver, EV1	DCA115----EV1-
Mounting plate A115, customized finish	DCA115----XXXX
Angle bracket A116, silver, EV1	DCA116----EV1-
Angle bracket A116, customized finish	DCA116----XXXX
Angle bracket A117, silver, EV1	DCA117----EV1-
Angle bracket A117, customized finish	DCA117----XXXX
Hook arm G120, silver, EV1	DCC120----EV1-
Hook arm G120, white, similar to RAL 9016	DCC120----9016
Hook arm G120, brown, similar to RAL 8014	DCC120----8014
Hook arm G120, black, similar to RAL 9005	DCC120----9005
Hook arm G120, black, similar to RAL 9005	DCC120----35--
Hook arm G120, customized finish	DCC120----XXXX
Flush mounted door release button A178	DCA178-----
Mechanical opening damper A191	DCA191-----

G462/G464, silver



G462/G464, white



G462/G464, brown



G462/G464, black



G462/G464, stainless steel



A101



A102



A115



A116



G120



A178



A191



## DC700 with G461

Door closer with Cam-Motion® technology and integrated mechanical door coordinator for double leaf doors, size 3-6



DC700 with guide rail G461, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

The DC700 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort. The mechanical door coordinator is integrated into the guide rail.

- Certified in compliance with EN 1154/1158, size 3-6
- Suitable for fire and smoke protection doors
- For double leaf doors with hinge distance from 1350/1400 mm up to 2800 mm
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Brown, similar to RAL 8014
- Black, similar to RAL 9005
- Stainless steel, design & full cover
- Customized colours on request

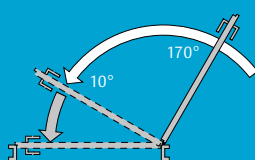
### Features

- Suitable for hinge side and non-hinge side mounting (non-hinge side requires hook arm)
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Carry bar guarantees correct closing sequence (passive leaf closes before active leaf)
- Versatile application due to option of keeping either active or both door leaves open

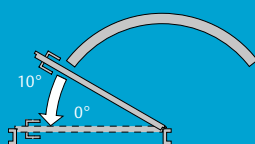
### Accessories

- **A115** mounting plate for guide rail
- **A116/A117** angle brackets for guide rail, non-hinge side mounting
- **G120** hook arm for non-hinge side mounting
- **A101/A102** carry bars, installed on the passive door leaf, enable correct opening sequence of double doors
- **A151** pivot block for G461 installations with door automation on active door leaf
- **A113** mounting kit for wide double doors (2800 – 3200 mm), for hinge side mounting only
- **A114** mechanical hold-open device with adjustable hold-open force, keeps doors open at an angle between 70° and 120° (not approved for use on fire and smoke protection doors)
- **A191** mechanical opening damper for guide rail, installed on the active door leaf (does not replace door stop)

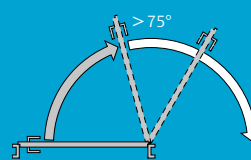
### Independent adjustment via front-facing valves



Closing speed (C)



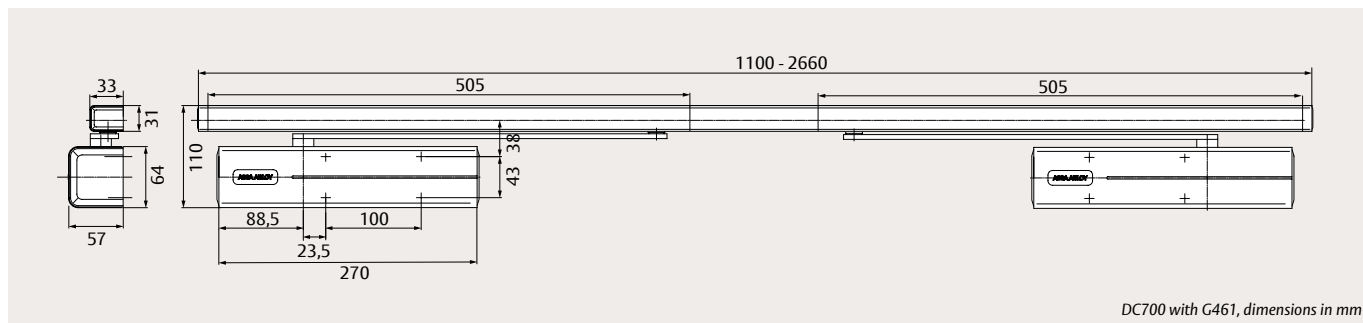
Latch speed (L)



Backcheck (B)

## DC700 with G461

### Technical attributes and certification



#### Technical attributes

Guide rail G461 (For door closer information, please see DC700/DC500/DC340.)

<b>Closing force</b>	EN size 3-6
<b>Maximum hinge distance</b>	1350/1400 – 2800 mm (hinge side / non-hinge side) 2800 – 3200 mm (hinge side, with A113)
<b>Maximum opening angle of active leaf</b>	DC700, DC500: 170°/105° (hinge side / non-hinge side) DC700AC, DC340: 180°/105° (hinge side / non-hinge side)
<b>Hold-open angle of passive leaf</b>	DC700, DC500: 170°/115° (hinge side / non-hinge side) DC700AC, DC340: 180°/115° (hinge side / non-hinge side)
<b>Mounting options</b>	Leaf mounting on hinge or non-hinge side
<b>Door system</b>	Double leaf
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	31 x 33 x * mm (*depends on hinge distance)



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#### Certification and testing

<b>Certified in compliance with</b>	EN 1154, EN 1158
<b>CE classification</b>	3   8   3-6   1   1   4 (EN 1154) 3   8   3-6   1   1   3 (EN 1158)
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

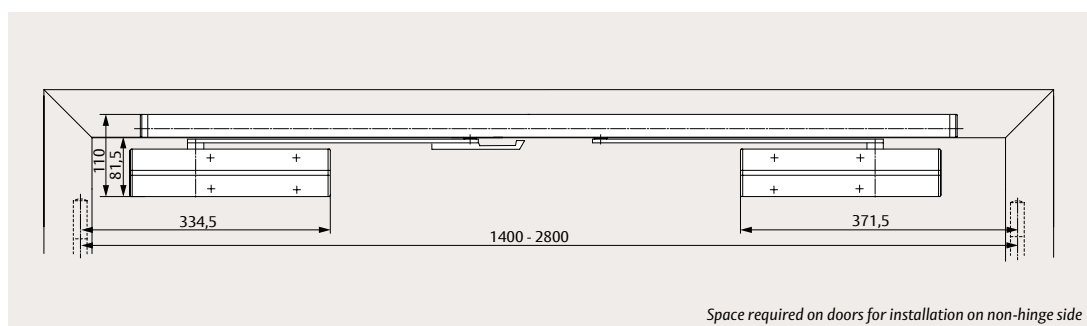
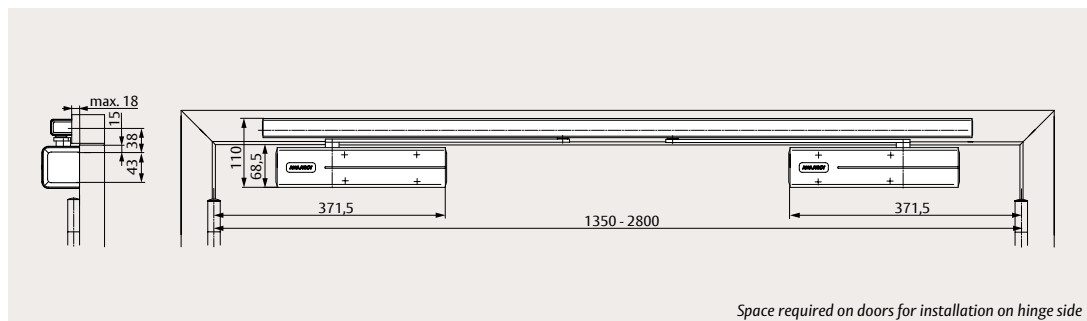


## DC700 with G461

### Space requirement and mounting dimensions



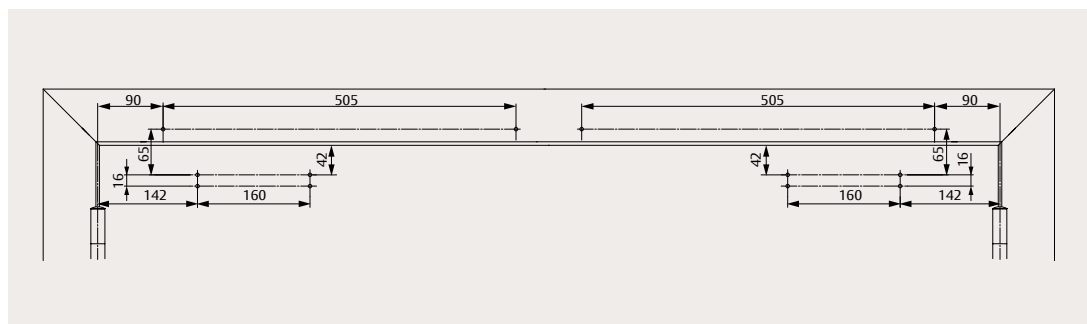
Scan the QR code to watch the installation video



#### Mounting plate mounting

##### on hinge side

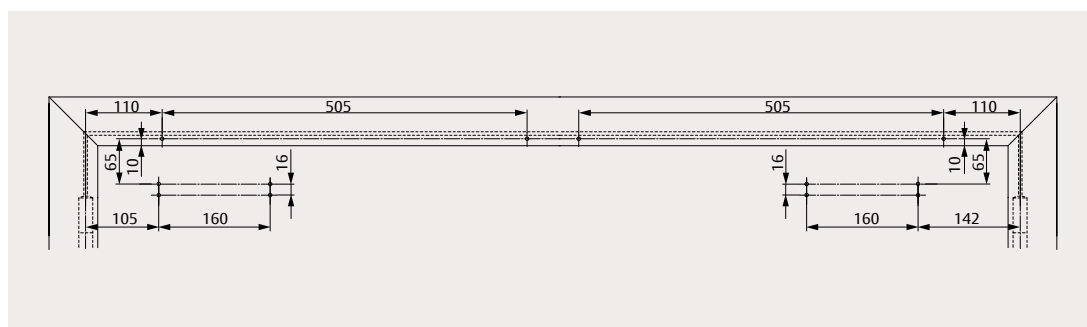
The right-handed door is the active door leaf. The left-handed door is the passive door leaf.



#### Mounting plate mounting

##### on non-hinge side

The right-handed door is the active door leaf. The left-handed door is the passive door leaf.



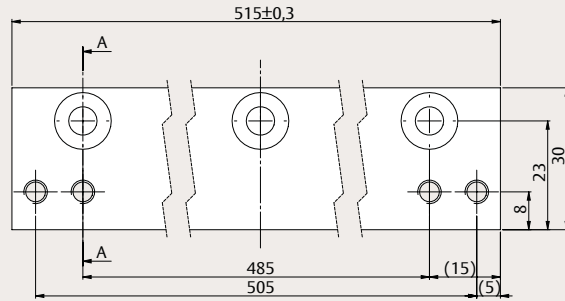
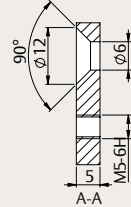
## DC700 with G461

### Accessories

The full list of accessories is available under order information.

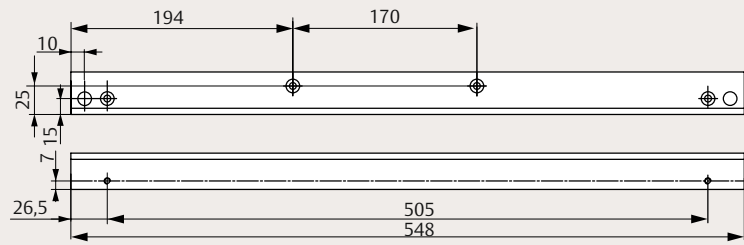
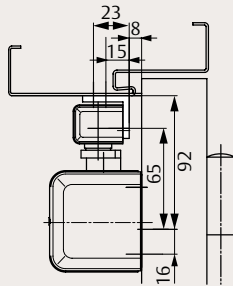
#### A115 mounting plate for guide rail

1pc for active door leaf  
1pc for passive door leaf



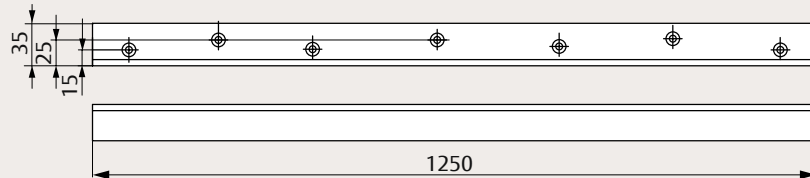
#### A116 angle bracket for guide rail, non-hinge side mounting

1pc for active door leaf  
1pc for passive door leaf



#### A117 angle bracket for guide rail, non-hinge side mounting

1pc for active door leaf  
1pc for passive door leaf



## DC700 with G461

## Order information

For door closer order information, please see DC700/DC500/DC340.



### Guide rails

G461 with mechanical coordinator, silver, EV1	DCG461----DEV1-
G461 with mechanical coordinator, white, similar to RAL 9016	DCG461----D9016
G461 with mechanical coordinator, brown, similar to RAL 8014	DCG461----D8014
G461 with mechanical coordinator, black, similar to RAL 9005	DCG461----D9005
G461 with mechanical coordinator, stainless steel	DCG461----D35--
G461 with mechanical coordinator, customized finish	DCG461----DXXXX

### Accessories

Carry bar A101 for hinge side mounting	DCA101-----
Carry bar A102 for non-hinge side mounting	DCA102-----
Mounting kit A113	DCA113-----
Mounting plate A115, silver, EV1	DCA115-----EV1-
Mounting plate A115, customized finish	DCA115-----XXXX
Angle bracket A116, silver, EV1	DCA116-----EV1-
Angle bracket A116, customized finish	DCA116-----XXXX
Angle bracket A117, silver, EV1	DCA117-----EV1-
Angle bracket A117, customized finish	DCA117-----XXXX
Hook arm G120, silver, EV1	DCG120-----EV1-
Hook arm G120, white, similar to RAL 9016	DCG120-----9016
Hook arm G120, brown, similar to RAL 8014	DCG120-----8014
Hook arm G120, black, similar to RAL 9005	DCG120-----9005
Hook arm G120, stainless steel	DCG120-----35--
Hook arm G120, customized finish	DCG120-----XXXX
Pivot block A151, for double doors	DCA151-----
Mechanical hold-open device A114	DCA114-----
Mechanical opening damper A191	DCA191-----

G461, silver



G461, white



G461, brown



G461, black



G461, stainless steel



A101



A102



A115



A116



G120



A114



A191



## DC700 with G460

Door closer with Cam-Motion® technology and guide rail with electro-mechanical hold-open device for single leaf doors, size 3-6



DC700 with guide rail G460, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

The DC700 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort. The electro-mechanical hold-open device is integrated into the guide rail.

- Certified in compliance with EN 1154/1155, size 3-6
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1400 mm width
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Brown, similar to RAL 8014
- Black, similar to RAL 9005
- Stainless steel, design & full cover
- Customized colours on request

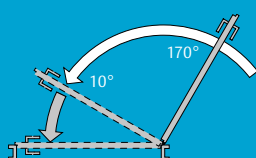
### Features

- Suitable for hinge side and non-hinge side mounting
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas
- Simplified stock management with universal parts and adaptable solutions

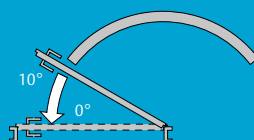
### Accessories

- **A115** mounting plate for guide rail
- **A116** angle bracket for guide rail, non-hinge side mounting
- **A178** flush-mounted release button for manual release of hold-open

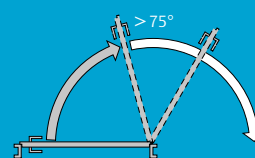
### Independent adjustment via front-facing valves



Closing speed (C)



Latch speed (L)

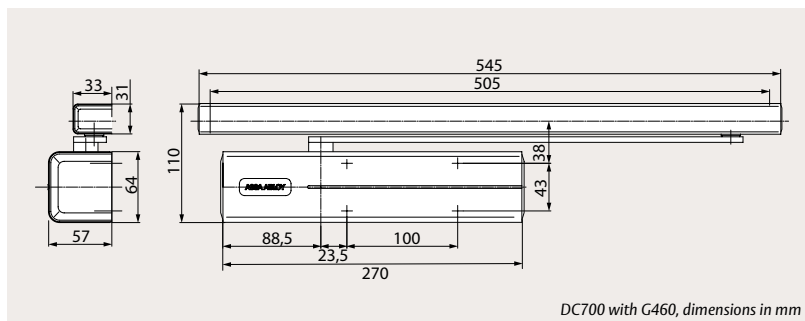


Backcheck (B)



## DC700 with G460

## Technical attributes and certification



DC700 with G460, dimensions in mm



## Technical attributes

Guide rail G460 (For door closer information, please see DC700/DC500/DC340.)

Closing force	EN size 3-6
Maximum leaf width	1400 mm
Maximum opening angle	~130°
Hold-open angle	70°-130°/120° (hinge side / non-hinge side)
Door system	Single leaf
Handing	Left- / right-handed
Mounting options	Leaf mounting on hinge or non-hinge side
Force adjustment	Yes
Height adjustment	Yes
Corrosion resistance	Grade 3 (96 hours)
Dimensions (H x D x L)	31 x 33 x 545 mm
Required power supply	24 V DC
Rated power consumption	60 mA



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## Certification and testing

Certified in compliance with	EN 1154, EN 1155
CE classification	3   8   3-6   1   1   4 (EN 1154) 3   8   3-6   1   1   3 (EN 1155)
CE / UKCA mark	Yes
Suitable for fire and smoke protection doors	Yes
Barrier-free according to	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
Third-party verified EPD	ISO 14025, EN 15804

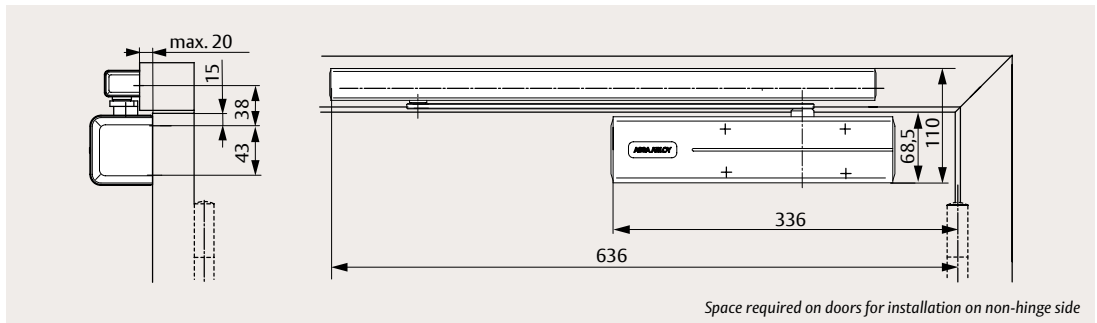
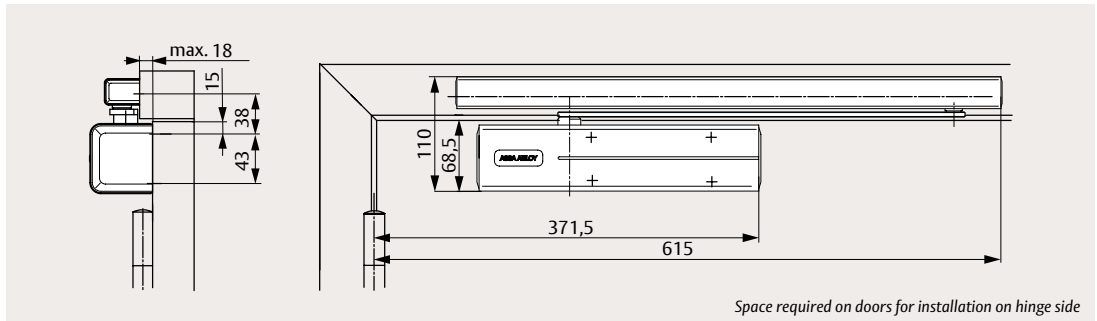


## DC700 with G460

### Space requirement and mounting dimensions



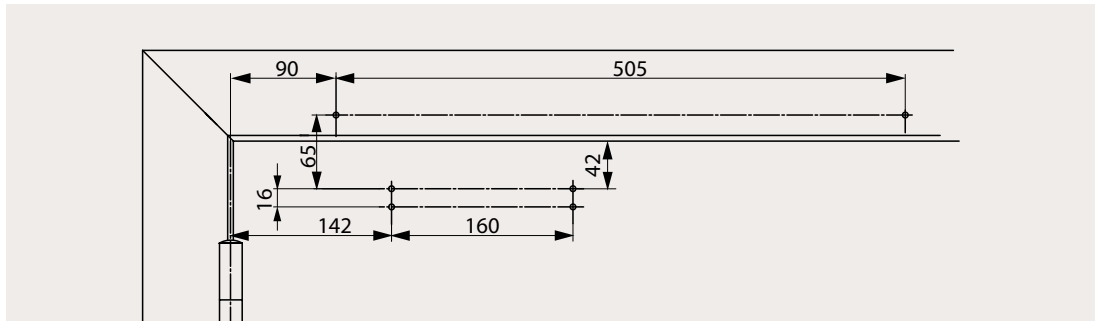
Scan the QR code  
to watch the  
installation video



#### Mounting plate mounting

on hinge side;  
in compliance with DIN  
EN 1154, supplement 1

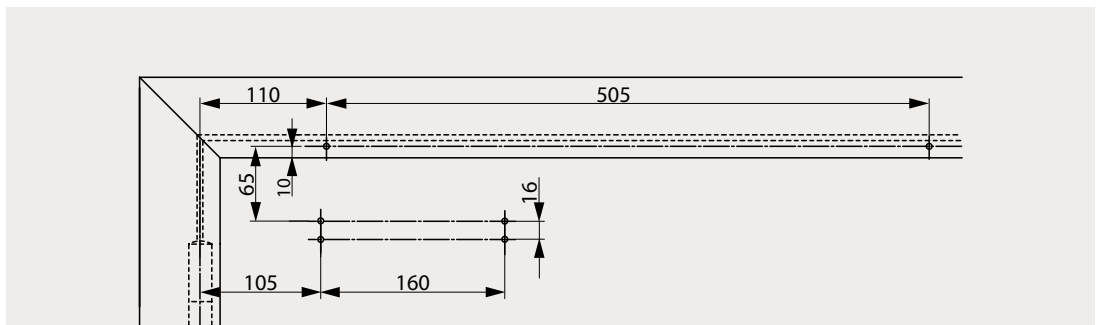
The drawing illustrates  
installation on left-handed  
doors. For right-handed doors,  
it is the reverse.



#### Mounting plate mounting

on non-hinge side

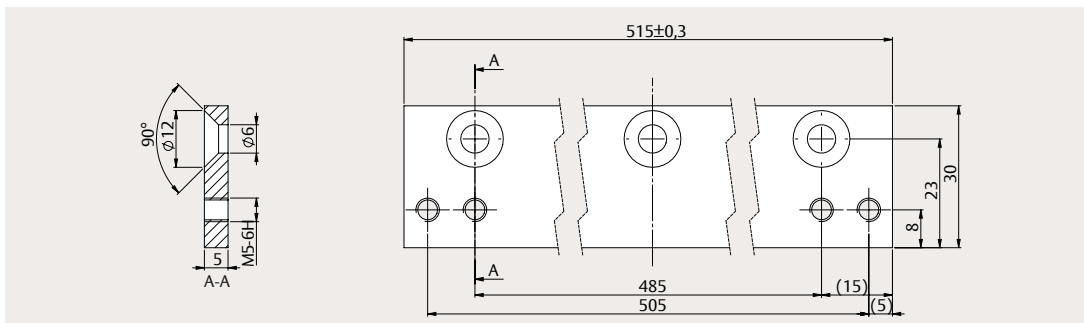
The drawing illustrates  
installation on right-handed  
doors. For left-handed doors,  
it is the reverse.



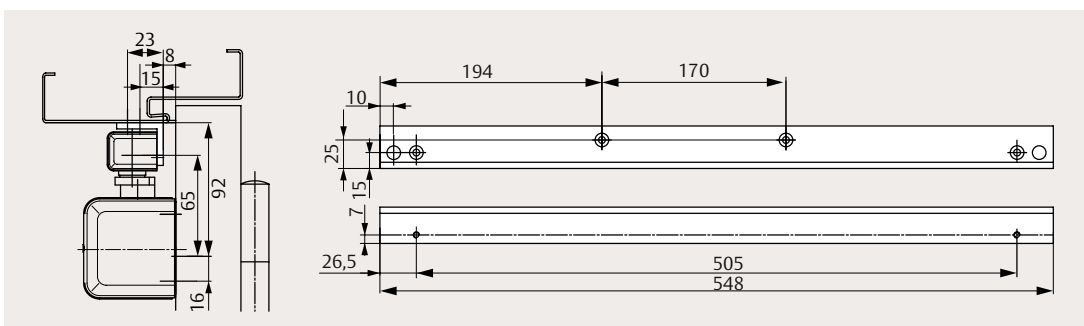
# DC700 with G460

## Accessories and order information

**A115 mounting plate**  
for guide rail



**A116 angle bracket**  
for guide rail, non-hinge  
side mounting



For door closer order information, please see DC700/DC500/DC340.



### Guide rails

G460 with mechanical coordinator, silver, EV1	DCG460----DEV1-
G460 with mechanical coordinator, white, similar to RAL 9016	DCG460----D9016
G460 with mechanical coordinator, brown, similar to RAL 8014	DCG460----D8014
G460 with mechanical coordinator, black, similar to RAL 9005	DCG460----D9005
G460 with mechanical coordinator, stainless steel	DCG460----D35--
G460 with mechanical coordinator, customized finish	DCG460----DXXXX

### Accessories

Mounting plate A115, silver, EV1	DCA115-----EV1-
Mounting plate A115, customized finish	DCA115-----XXXX
Angle bracket A116, silver, EV1	DCA116-----EV1-
Angle bracket A116, customized finish	DCA116-----XXXX
Flush mounted door release button A178	DCA178-----

G460, silver



G460, white



G460, brown



G460, black



G460, stainless steel



A115



A116



A178



## DC500

Door closer with Cam-Motion® technology and guide rail – for single leaf doors, size 1-4



DC500 with guide rail G195, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

The DC500 series brings precise control for doors which must balance access and protection, contained within a stylish exterior to meet the demands of discerning environments. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort.

- Certified in compliance with EN 1154, size 1-4
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1100 mm width
- Barrier-free according to DIN 18040 and CEN/TR 15894

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Brown, similar to RAL 8014
- Black, similar to RAL 9005
- Stainless steel, design & full cover
- Customized colours on request

### Features

- Symmetric cam design allows 4 mounting options
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas (not for DC500Basic)
- Simplified stock management with universal parts and adaptable solutions

### Guide rails and accessories

- **G195** height-adjustable guide rail (2 mm) with concealed fastening screws
- **G193** standard guide rail with visible fastening screws
- **A152** mechanical hold-open device with adjustable hold-open force, keeps doors open at an angle between 80° and 130° (not approved for use on fire and smoke protection doors)
- **A153** mechanical opening damper, continuously adjustable up to an opening angle of max. 130° (does not replace door stop)
- **A120** mounting plate for door closer
- **A124** replacement plate for renovation applications
- **A130** mounting plate for guide rail
- **A136** mounting plate for guide rail, non-hinge side
- **A104** angle bracket for guide rail
- **A166** glass door shoe for mounting the door closer on a solid glass door
- **A190** screening plate for doors with narrow profiles and glass filling as cover of the back of the door
- **A176** universal drilling gauge



DC500Basic

### Product variants

- **DC500Basic** without backcheck functionality, with plastic cover

### Four mounting options with one product



Leaf mounting on hinge side



Frame mounting on hinge side



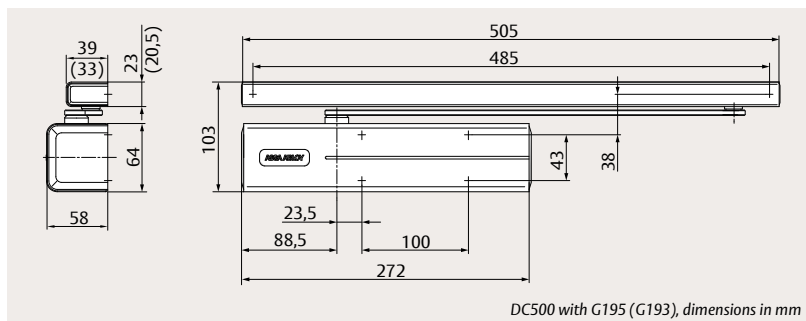
Leaf mounting on non-hinge side



Frame mounting on non-hinge side

# DC500

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 1-4
<b>Maximum leaf width</b>	1100 mm
<b>Closing speed (C)</b>	Variable between 170° and 10°
<b>Latch speed (L)</b>	Variable between 10° and 0°
<b>Backcheck (B)</b>	Variable above 75° (not for DC500Basic)
<b>Maximum opening angle</b>	~170°/125° (hinge side / non-hinge side)
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf or frame mounting Hinge or non-hinge side
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 4 (240 hours)
<b>Dimensions (H x D x L)</b>	64 x 58 x 272 mm



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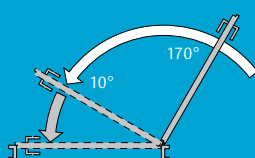


### Certification and testing

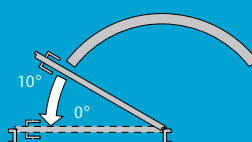
<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	3   8   1-4   1   1   4
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040
<b>Third-party verified EPD</b>	ISO 14025, EN 15804



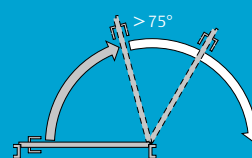
### Independent adjustment via front-facing valves



Closing speed (C)



Latch speed (L)



Backcheck (B)\*

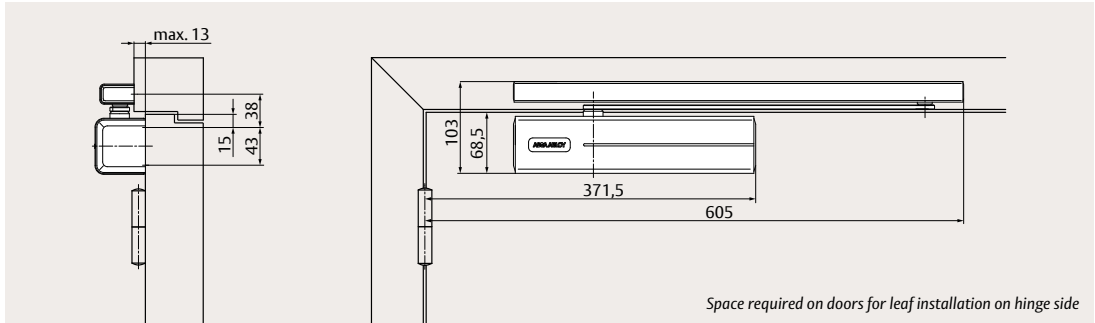
\*not for DC500Basic

## DC500

### Space requirement and mounting dimensions



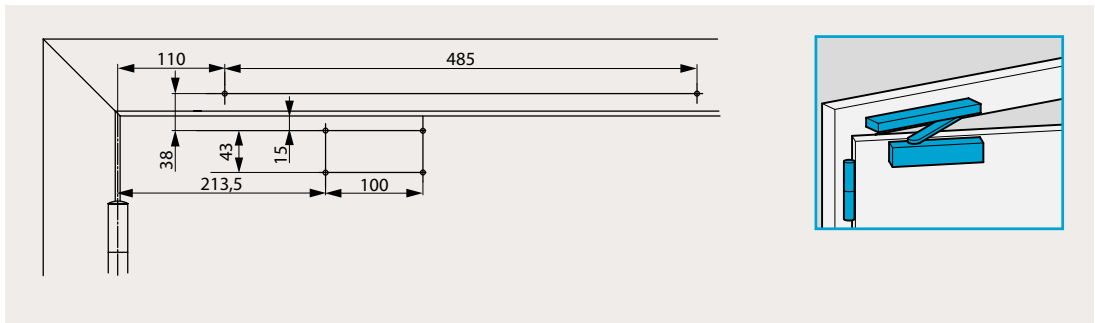
Scan the QR code  
to watch the  
installation video



Space required on doors for leaf installation on hinge side

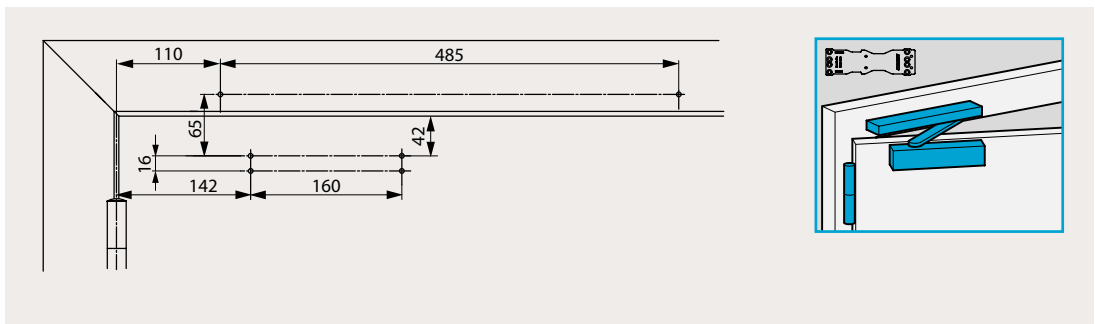
#### Direct leaf mounting on hinge side

The drawing illustrates  
installation on left-handed  
doors. For right-handed doors,  
it is the reverse.



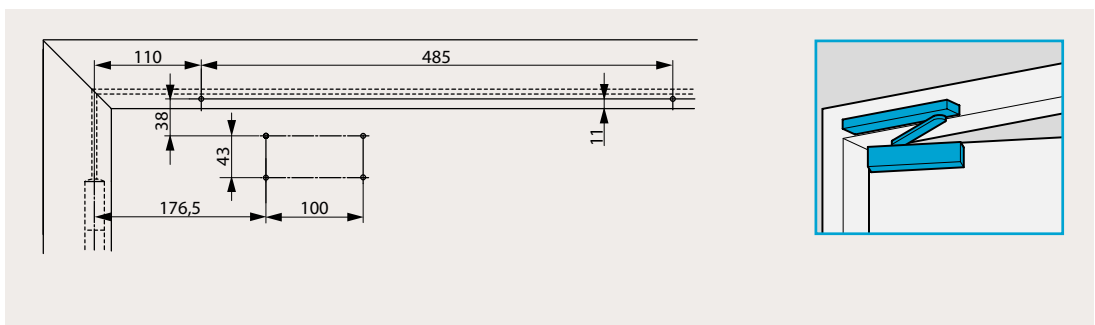
#### Mounting plate leaf mounting on hinge side; in compliance with DIN EN 1154, supplement 1

The drawing illustrates  
installation on left-handed  
doors. For right-handed doors,  
it is the reverse.



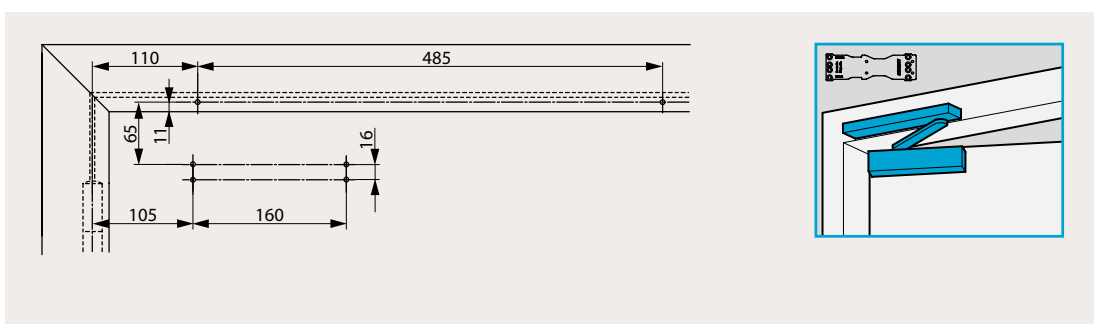
#### Direct leaf mounting on non-hinge side

The drawing illustrates  
installation on right-handed  
doors. For left-handed doors,  
it is the reverse.



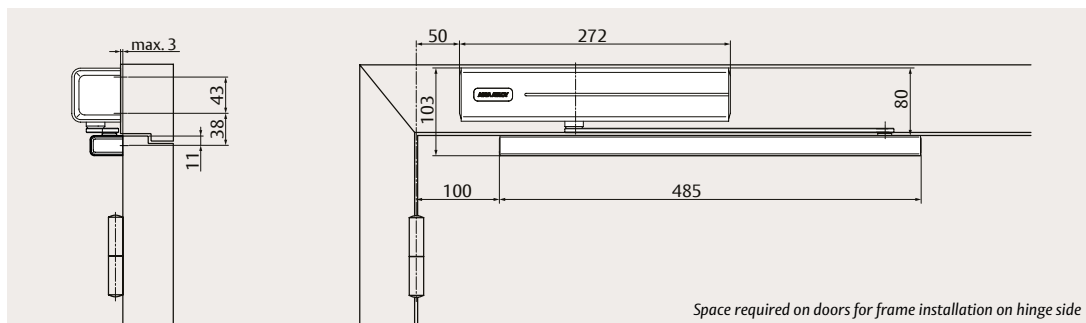
#### Mounting plate leaf mounting on non-hinge side

The drawing illustrates  
installation on right-handed  
doors. For left-handed doors,  
it is the reverse.



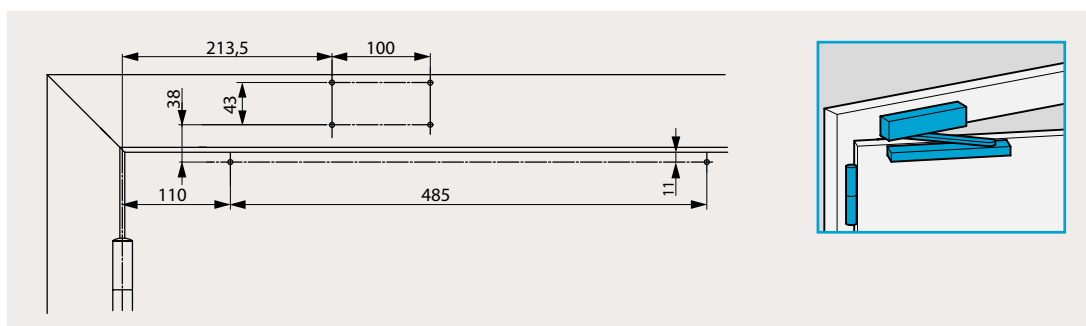
# DC500

## Space requirement and mounting dimensions



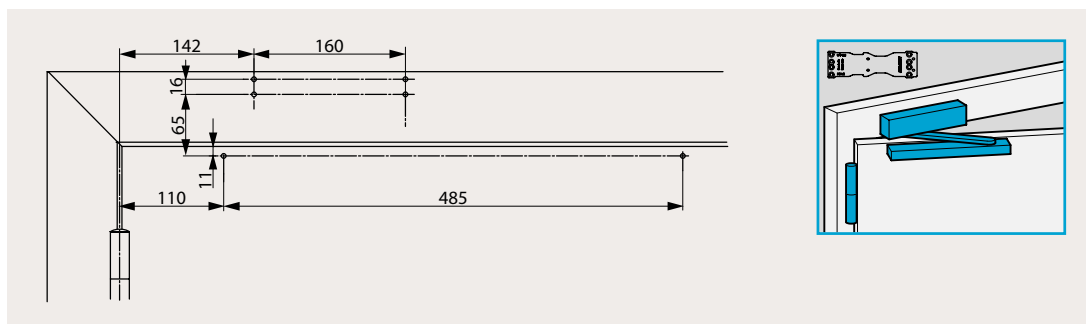
### Direct frame mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



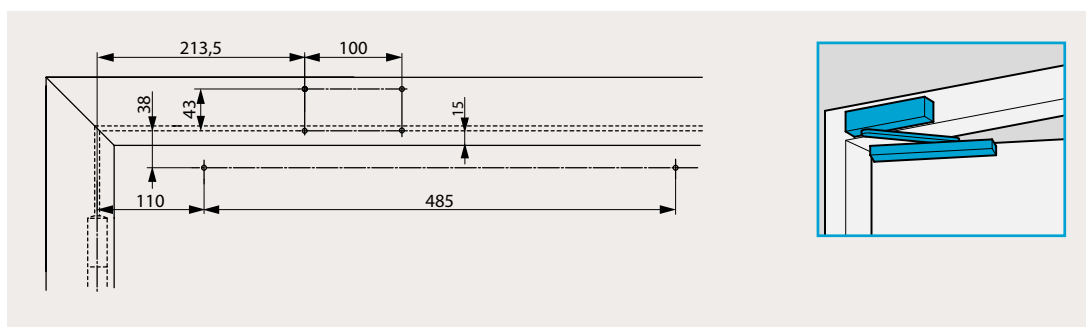
### Mounting plate frame mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



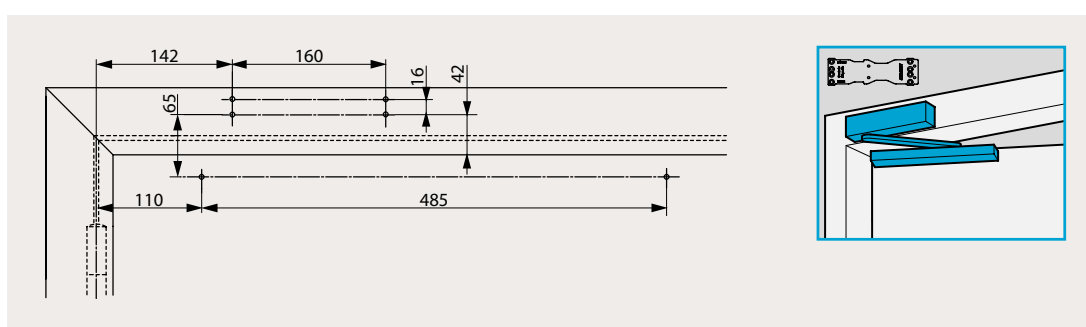
### Direct frame mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



### Mounting plate frame mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.

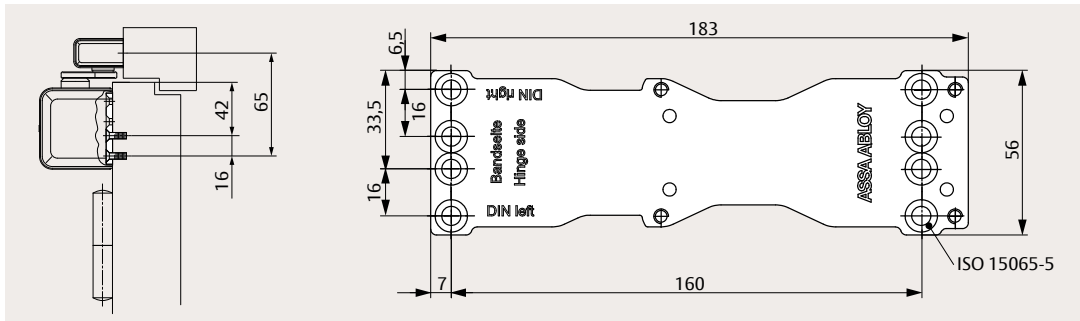


# DC500

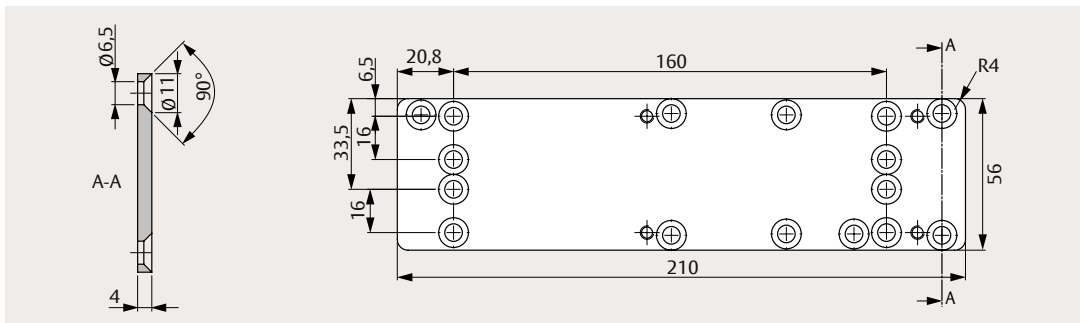
## Accessories

The full list of accessories is available under order information.

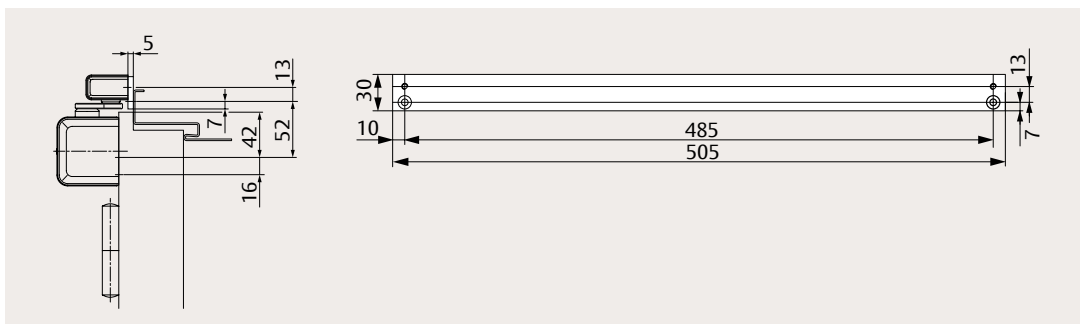
**A120 mounting plate**  
for door closer;  
in compliance with DIN  
EN 1154, supplement 1



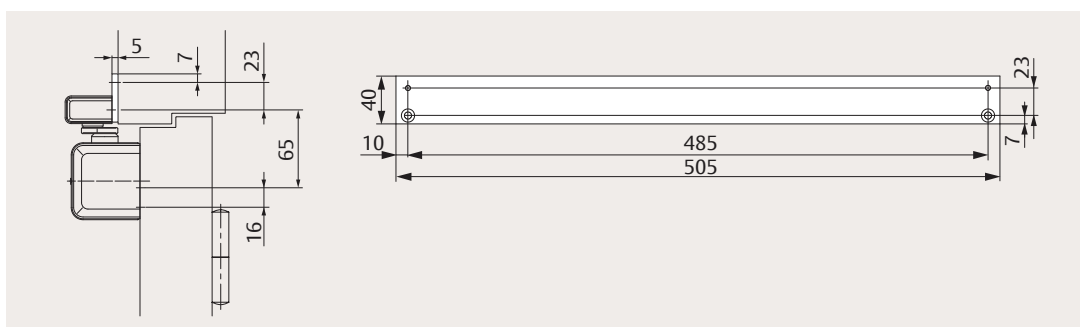
**A124 replacement plate**  
for renovation  
applications



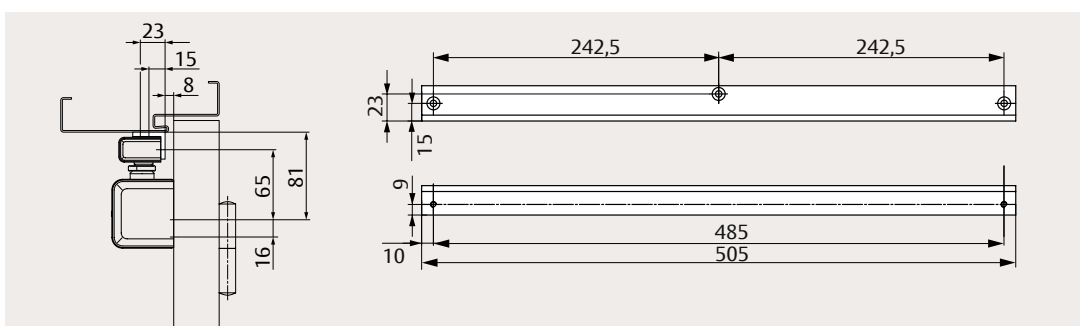
**A130 mounting plate**  
for guide rail



**A136 mounting plate,  
40 mm**  
for guide rail;  
non-hinge side use



**A104 angle bracket**  
for guide rail





## DC500

## Order information



## Door closers

DC500, EN size 1-4, silver, EV1	DC500-----DEV1-
DC500, EN size 1-4, white, similar to RAL 9016	DC500-----D9016
DC500, EN size 1-4, brown, similar to RAL 8014	DC500-----D8014
DC500, EN size 1-4, black, similar to RAL 9005	DC500-----D9005
DC500, EN size 1-4, stainless steel design	DC500-----D35--
DC500, EN size 1-4, stainless steel, full cover	DC500-1---D35--
DC500, EN size 1-4, customized finish	DC500-----DXXXX
DC500Basic, EN size 1-4, without backcheck, silver, plastic cover	DC501-----PDSIL-

## Guide rails

Guide rail G195, silver, EV1	DCG195----DEV1-
Guide rail G195, white, similar to RAL 9016	DCG195----D9016
Guide rail G195, brown, similar to RAL 8014	DCG195----D8014
Guide rail G195, black, similar to RAL 9005	DCG195----D9005
Guide rail G195, stainless steel	DCG195----D35--
Guide rail G195, customized finish	DCG195----DXXXX
Guide rail G193, silver, EV1	DCG193-----EV1-
Guide rail G193, white, similar to RAL 9016	DCG193-----9016
Guide rail G193, brown, similar to RAL 8014	DCG193-----8014
Guide rail G193, black, similar to RAL 9005	DCG193-----9005

## Accessories

Mounting plate A120, galvanized	DCA120-----40
Mounting plate A130, silver, EV1	DCA130-----EV1-
Mounting plate A130, white, similar to RAL 9016	DCA130-----9016
Mounting plate A130, brown, similar to RAL 8014	DCA130-----8014
Mounting plate A130, black, similar to RAL 9005	DCA130-----9005
Mounting plate A130, customized finish	DCA130-----XXXX
Mounting plate A136, silver, EV1	DCA136-----EV1-
Angle bracket A104, silver, EV1	DCA104-----EV1-
Angle bracket A104, white, RAL 9016	DCA104-----9016
Angle bracket A104, brown, similar to RAL 8014	DCA104-----8014
Angle bracket A104, black, similar to RAL 9005	DCA104-----9005
Replacement plate A124, galvanized	DCA124-----40
Glass door shoe A166, silver, EV1	DCA166-----EV1-
Screening plate A190, stainless steel	DCA190-----35--
Universal drilling gauge A176	DCA176-----
Mechanical hold-open device A152	DCA152-----
Mechanical opening damper A153	DCA153-----

DC500, silver



DC500, white



DC500, brown



DC500, black



DC500, SS design



DC500, SS full cover



G195, silver



G193, silver



A130



A136



A104



A120



A124



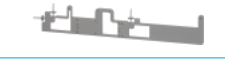
A166



A190



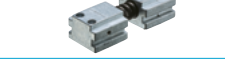
A176



A152



A153



## DC175

Door closer with Cam-Motion® technology and guide rail – for single leaf doors, size 3/4



DC175, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

The DC175 is our smallest Cam-Motion door closer. With its compact design, it's the ideal choice for for lightweight doors and fits into a variety of architectural styles. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort.

- Certified in compliance with EN 1154, size 3/4
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1100 mm width
- Barrier-free according to DIN 18040 and CEN/TR 15894

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Black, similar to RAL 9005

### Features

- Symmetric cam design allows 4 mounting options
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Simplified stock management with universal parts and adaptable solutions

### Accessories

- **A278** mechanical hold-open device, with adjustable hold-open force, keeps doors open at an angle between 50° and 100° (not approved for use on fire and smoke protection doors)
- **A279** mechanical opening damper, continuously adjustable up to an opening angle of max. 100° (does not replace door stop)
- **A280** mounting plate for door closer
- **A281** angle bracket for guide rail

### Four mounting options with one product



Leaf mounting on hinge side



Frame mounting on hinge side



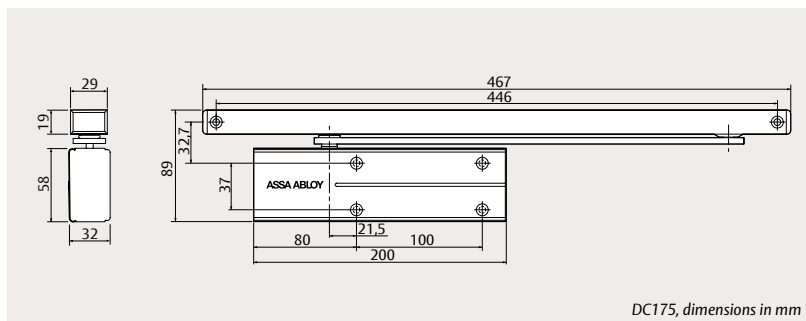
Leaf mounting on non-hinge side



Frame mounting on non-hinge side

# DC175

## Technical attributes and certification



DC175, dimensions in mm



### Technical attributes

<b>Closing force</b>	EN size 3/4 (non-hinge side EN size 3)
<b>Maximum leaf width</b>	1100 mm
<b>Closing speed (C)</b>	Variable between 160° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Maximum opening angle</b>	~160°/110° (hinge side / non-hinge side)
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf or frame mounting Hinge or non-hinge side
<b>Force adjustment</b>	No
<b>Height adjustment</b>	No
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	58 x 32 x 200 mm



Visit [assaabloy.com](http://assaabloy.com) to download all relevant product literature

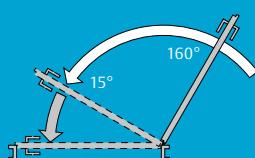


### Certification and testing

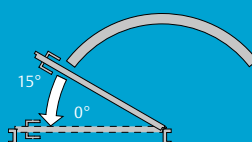
<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	3   8   3/4   1   1   3
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040
<b>Third-party verified EPD</b>	ISO 14025, EN 15804



### Independent adjustment via front-facing valves



Closing speed (C)



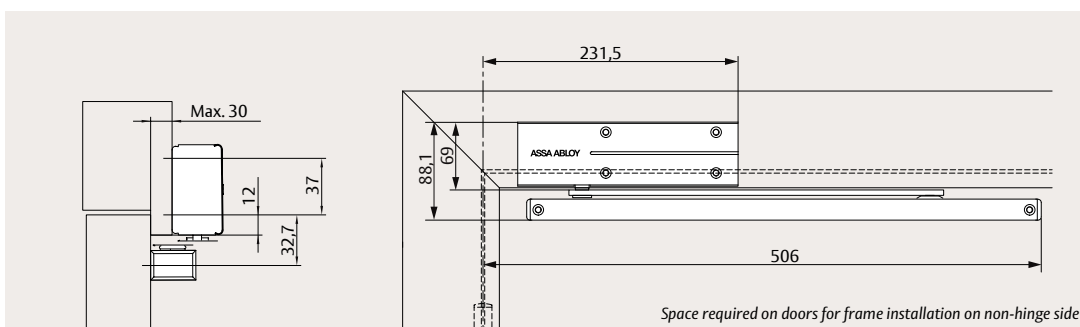
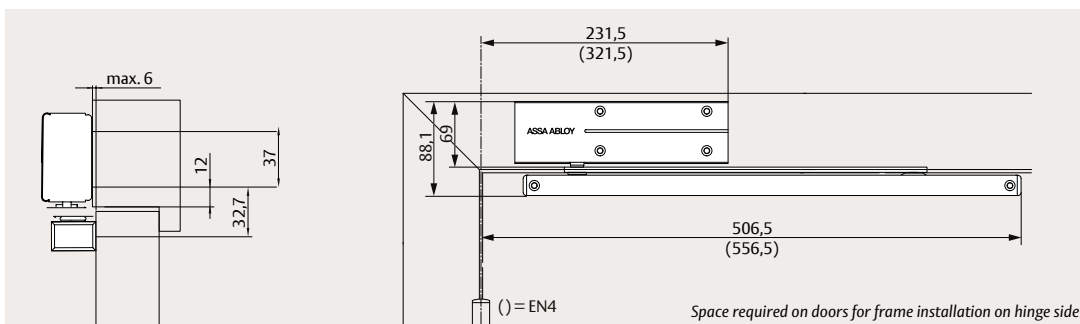
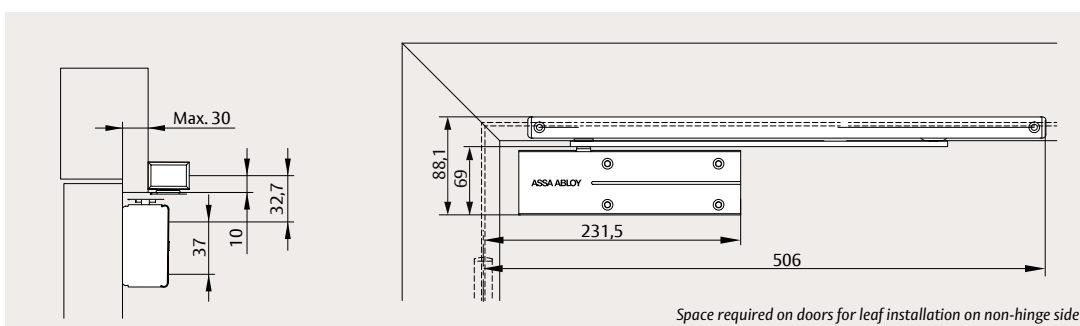
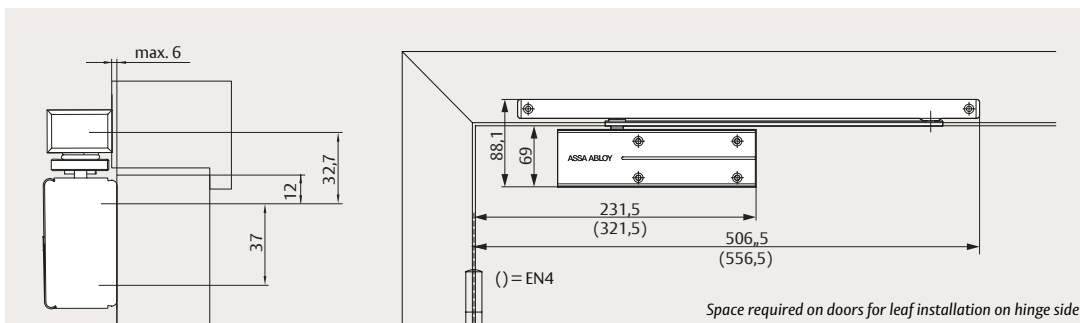
Latch speed (L)

# DC175

## Space requirement



Scan the QR code  
to watch the  
installation video

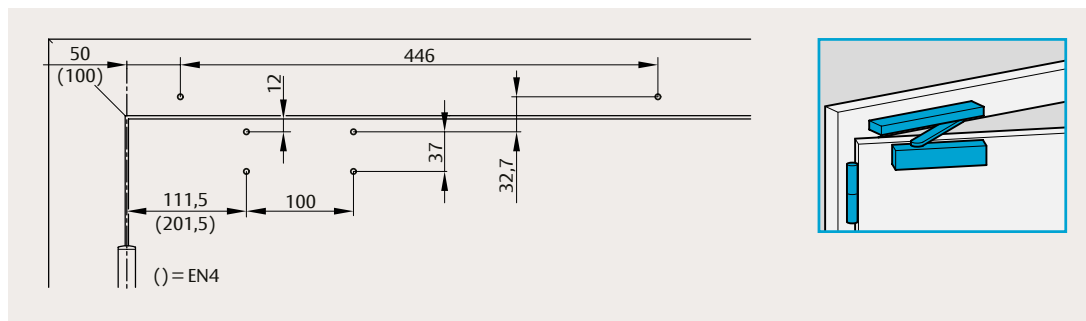


# DC175

## Mounting dimensions

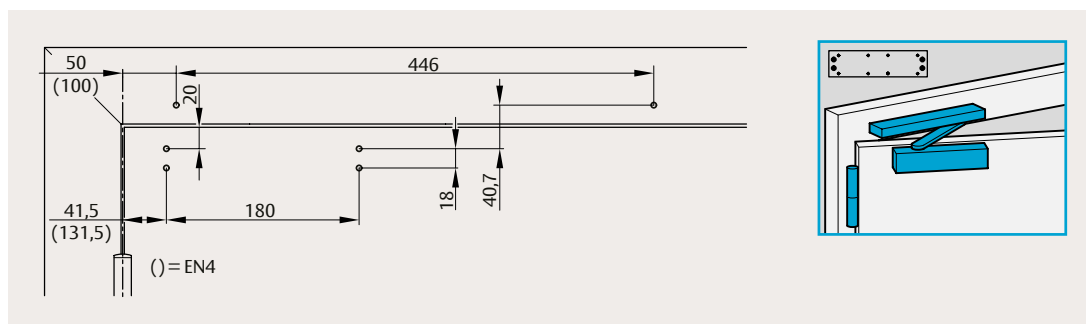
### Direct leaf mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



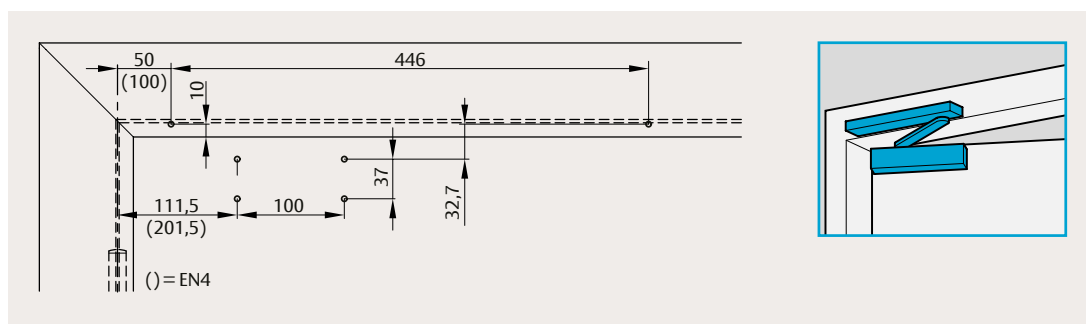
### Mounting plate leaf mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



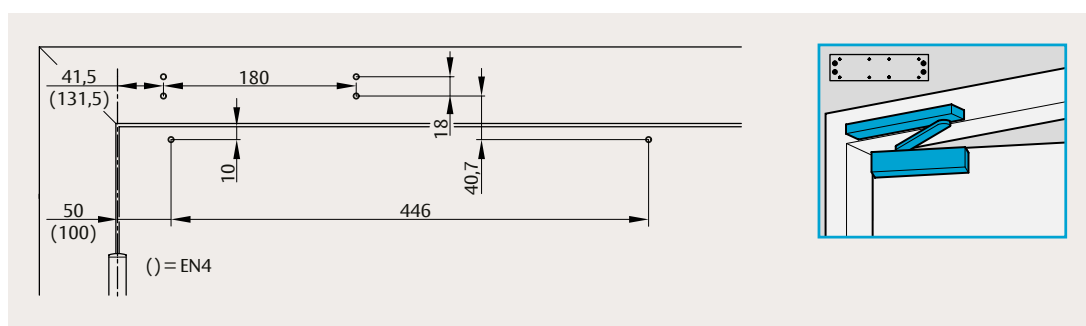
### Direct leaf mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



### Mounting plate leaf mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.

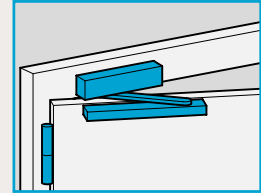
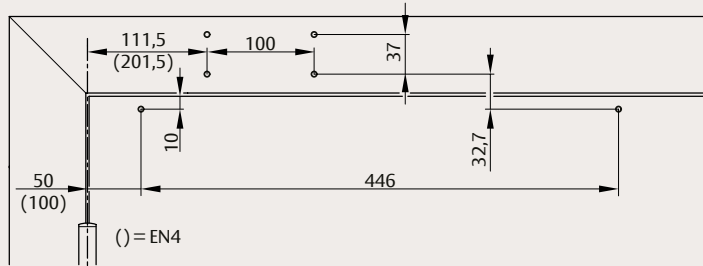


# DC175

## Mounting dimensions

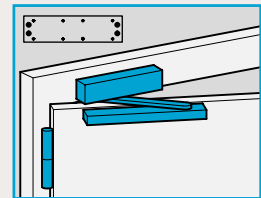
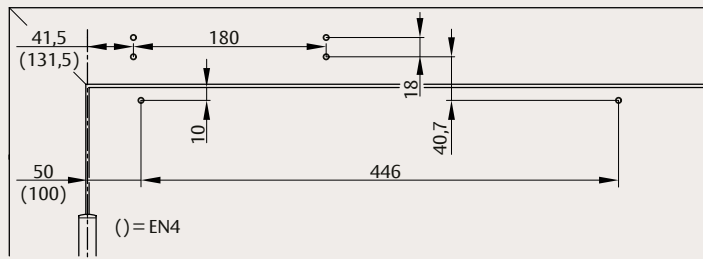
### Direct frame mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



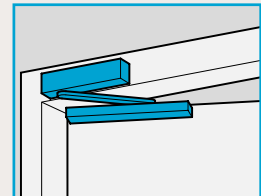
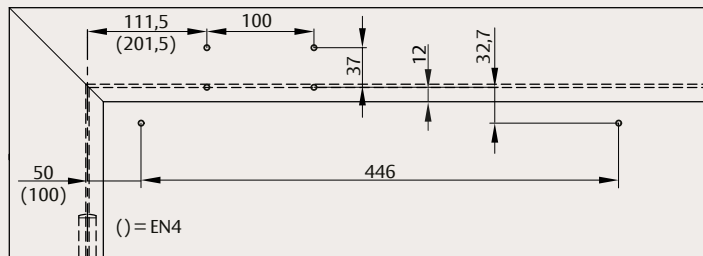
### Mounting plate frame mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



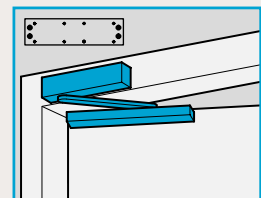
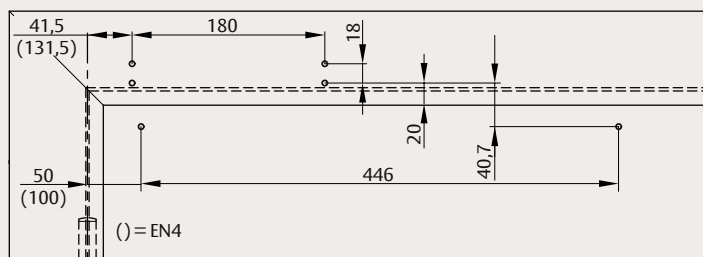
### Direct frame mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



### Mounting plate frame mounting on non-hinge side

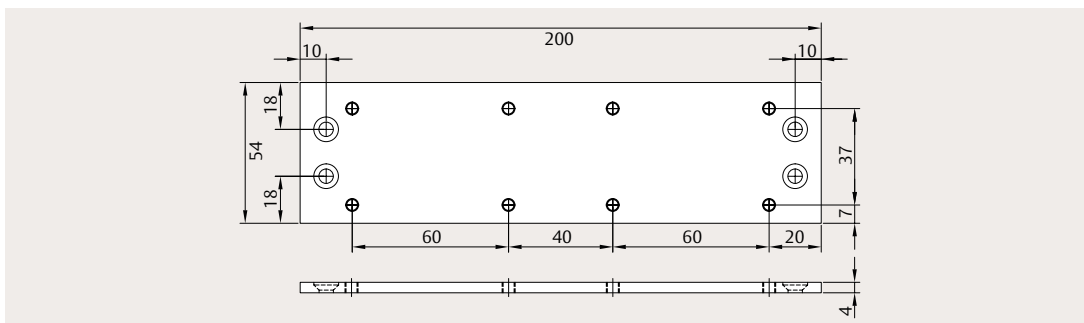
The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



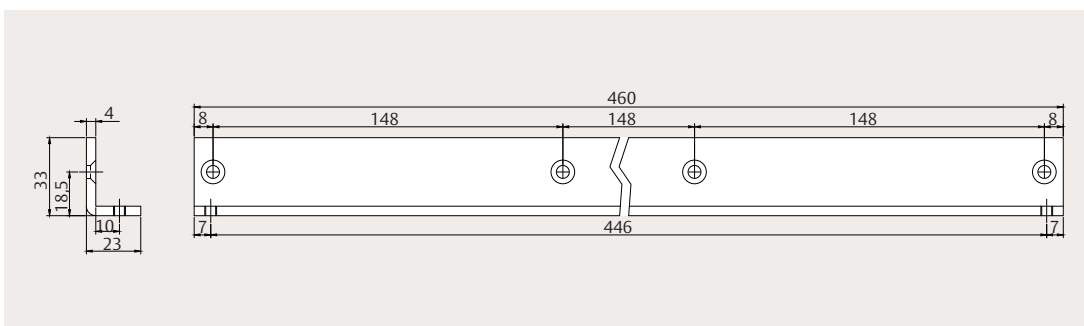
# DC175

## Accessories and order information

**A280 mounting plate**  
for door closer



**A281 angle bracket**  
for guide rail



### Door closers

DC175, EN size 3/4, silver, EV1	DC175-----EV1-
DC175, EN size 3/4, white, similar to RAL 9016	DC175-----9016
DC175, EN size 3/4, black, similar to RAL 9005	DC175-----9005

### Accessories

Mounting plate A280, silver, EV1	DCA280-----EV1-
Mounting plate A280, white, similar to RAL 9016	DCA280-----9016
Mounting plate A280, black, similar to RAL 9005	DCA280-----9005
Angle bracket A281, silver, EV1	DCA281-----EV1-
Angle bracket A281, white, similar to RAL 9016	DCA281-----9016
Angle bracket A281, black, similar to RAL 9005	DCA281-----9005
Mechanical hold-open device A278	DCA278-----
Mechanical opening damper A279	DCA279-----

DC175, silver



DC175, white



DC175, black



A280, black



A278



A279





# Cam-Motion® and Rack & Pinion Concealed Door Closers

Maximize security in harmony with your designs

*Concealed door closers support all building users without diluting the impact of your entrance design. Cam-Motion technology hidden inside ensures smooth opening and closing.*



## DC860

Concealed door closer with Cam-Motion® technology and guide rail – for single leaf doors, size 1-5



DC860 with guide rail G893, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

Concealed into the door leaf, DC860 delivers high performance to support all building users without diluting the impact of your entrance designs. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort.

- Certified in compliance with EN 1154, size 1-5
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1250 mm width
- Barrier-free according to DIN 18040 and CEN/TR 15894

### Colours

- Silver, EV1
- Customized colours on request

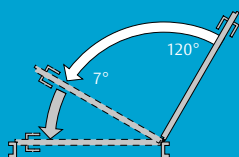
### Features

- Can be used for left- and right-handed doors
- Closing and latch speeds can be raised and lowered independently
- Adjustable power sizes simplify specification
- Durable, top-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Versatile use with with 4 mm and 8 mm extended spindle options

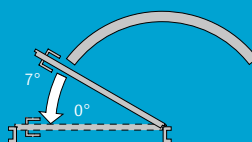
### Guide rails and accessories

- **G892** slim concealed guide rail (20 mm)
- **G893** standard concealed guide rail (31 mm)
- **A152** mechanical hold-open device for G893, **A156** mechanical hold-open device for G892, with adjustable hold-open force, keeps doors open at an angle between 80° and 120° (not approved for use on fire and smoke protection doors)
- **A153** mechanical opening damper for G893, **A157** mechanical opening damper for G892, continuously adjustable up to an opening angle of max. 120° (does not replace door stop)
- **A162** mounting plate set for metal doors
- **A193** fire protection to improve fire resistance (adjustment options remain accessible)

### Independent adjustment via top-facing valves



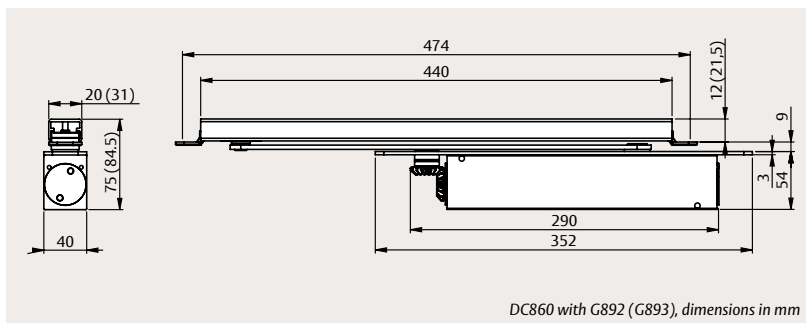
Closing speed (C)



Latch speed (L)

# DC860

## Technical attributes and certification



Scan the QR code to watch the installation video



### Technical attributes

<b>Closing force</b>	EN size 1-5
<b>Maximum leaf width</b>	1250 mm
<b>Minimum leaf thickness</b>	44 mm
<b>Closing speed (C)</b>	Variable between 120° and 7°
<b>Latch speed (L)</b>	Variable between 7° and 0°
<b>Maximum opening angle</b>	~120°
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Concealed into door leaf
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	No
<b>Corrosion resistance</b>	Grade 2 (48 hours)
<b>Dimensions (H x D x L)</b>	54 x 40 x 290 mm



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### Certification and testing

<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	3   8   1-5   1   1   2
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

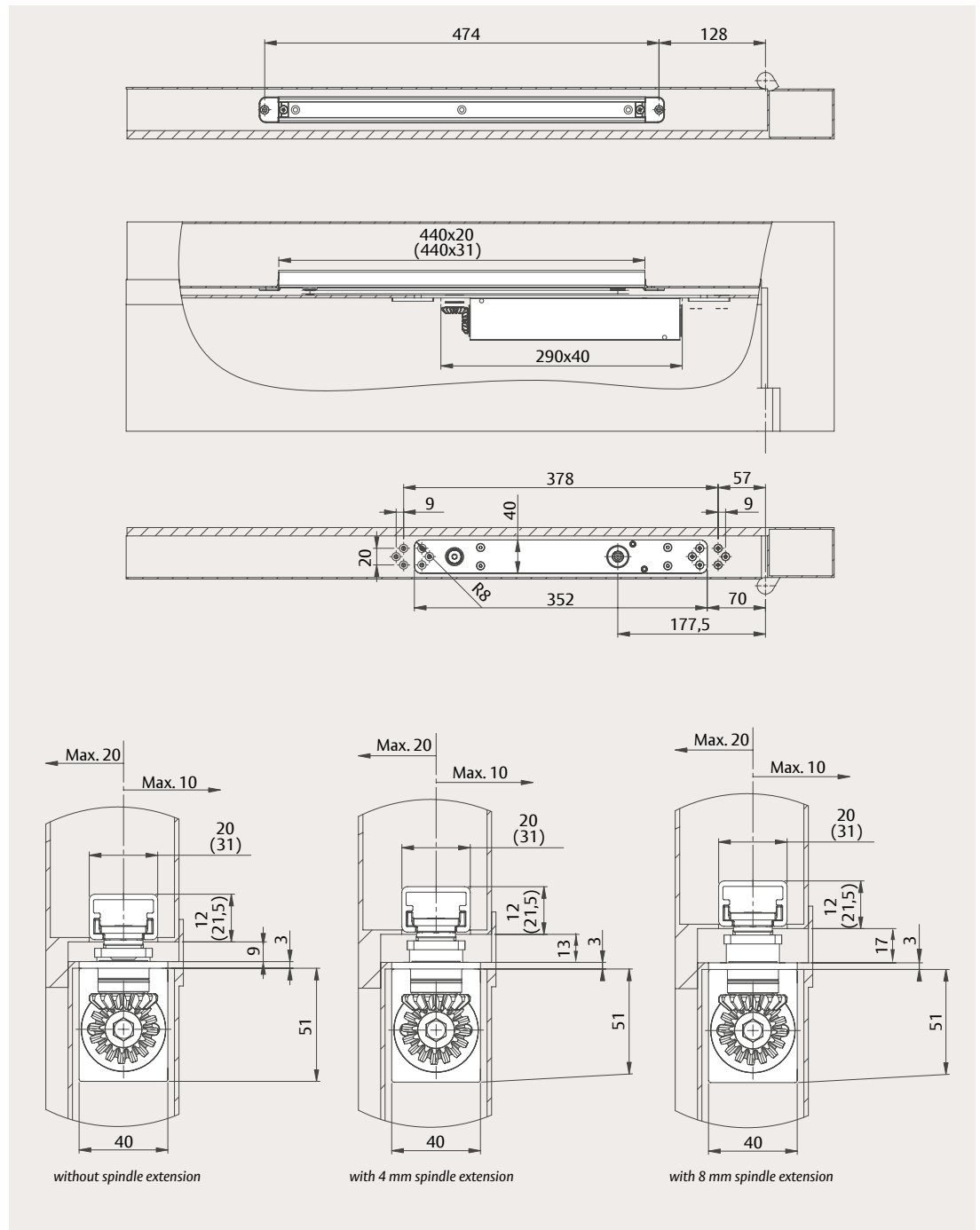


# DC860

## Mounting dimensions

### Leaf mounting with G892 (G893)

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



# DC860

## Order information



### Door closers

DC860, EN size 1-5, silver, EV1	DC860-----EV1-
DC860, EN size 1-5, customized finish	DC860-----XXXX
DC860, EN size 1-5, with 4 mm spindle, silver, EV1	DC860-4-----EV1
DC860, EN size 1-5, with 4 mm spindle, customized finish	DC860-4-----XXXX
DC860, EN size 1-5, with 8 mm spindle, silver, EV1	DC860-8-----EV1
DC860, EN size 1-5, with 8 mm spindle, customized finish	DC860-8-----XXXX

### Guide rails

G892, 20 mm, silver, EV1	DCG892-----EV1-
G892, 20 mm, customized finish	DCG892-----XXXX
G893, 31 mm, silver, EV1	DCG893-----EV1-
G893, 31 mm, customized finish	DCG893-----XXXX

### Accessories

Mechanical hold-open device A152 for G893	DCA152-----
Mechanical hold-open device A156 for G892	DCA156-----
Mechanical opening damper A153 for G893	DCA153-----
Mechanical opening damper A157 for G892	DCA157-----
Mounting plate A162, galvanized	DCA162-----40
Fire protection A193	DCA193-----

G892



G893



A152



A156



A153



A157



A162



A193



## DC860 with G880

Concealed door closer with Cam-Motion® technology and guide rail with electro-mechanical hold-open device for single leaf doors, size 3-5



DC860 with guide rail G880, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

Concealed into the door leaf, DC860 delivers high performance to support all building users without diluting the impact of your entrance designs. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort. The electro-mechanical hold-open device is integrated into the guide rail.

- Certified in compliance with EN 1154, size 1-5 and EN 1155, size 3-6
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1250 mm width
- Barrier-free according to DIN 18040 and CEN/TR 15894
- DIBt approval with different smoke detection systems

### Colours

- Silver, EV1
- Customized colours on request

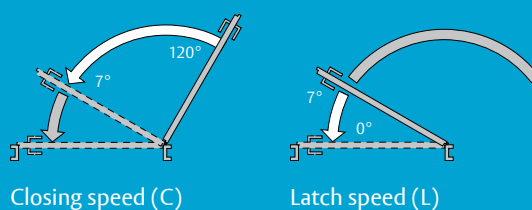
### Features

- Can be used for left- and right-handed doors
- Closing and latch speeds can be raised and lowered independently
- Adjustable power sizes simplify specification
- Durable, top-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Versatile use with with 4 mm and 8 mm extended spindle options
- Integrated hold-open device keeps doors open at any angle between 80° and 120°

### Accessories

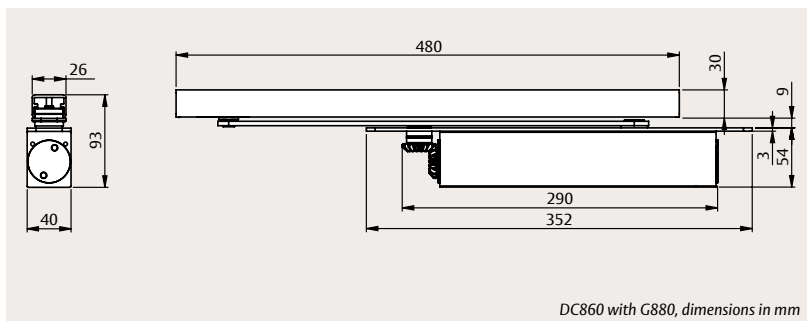
- **A178** flush-mounted release button for manual release of hold-open
- **1317-10** flush-mounted release button and **1316-10** surface-mounted release button for controlling fail-unlocked components, such as holding magnets and fail-unlocked strikes, and as a manual switch / control for arrester systems
- **RZ100** smoke detector station with integrated power supply and smoke detector to control arrester devices
- **ORS 142 / TDS 247** ceiling smoke detector
- **A162** mounting plate set for metal doors
- **A193** fire protection to improve fire resistance (adjustment options remain accessible)

### Independent adjustment via top-facing valves



## DC860 with G880

### Technical attributes and certification



#### Technical attributes

Guide rail G880 (For door closer information, please see DC860.)

<b>Closing force</b>	EN size 3-5
<b>Maximum opening angle</b>	~120°
<b>Hold-open angle</b>	80°-120°
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Concealed into door leaf
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	No
<b>Corrosion resistance</b>	Grade 0 (not defined)
<b>Dimensions (H x D x L)</b>	30 x 26 x 493 mm
<b>Required power supply</b>	24 V DC
<b>Rated power consumption</b>	60 mA
<b>Duty cycle</b>	100%



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#### Certification and testing

<b>Certified in compliance with</b>	EN 1154, EN 1155
<b>CE classification</b>	3   8   1-5   1   1   2 (EN 1154) 3   8   3-6   1   1   0 (EN 1155)
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>DIBt approval</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

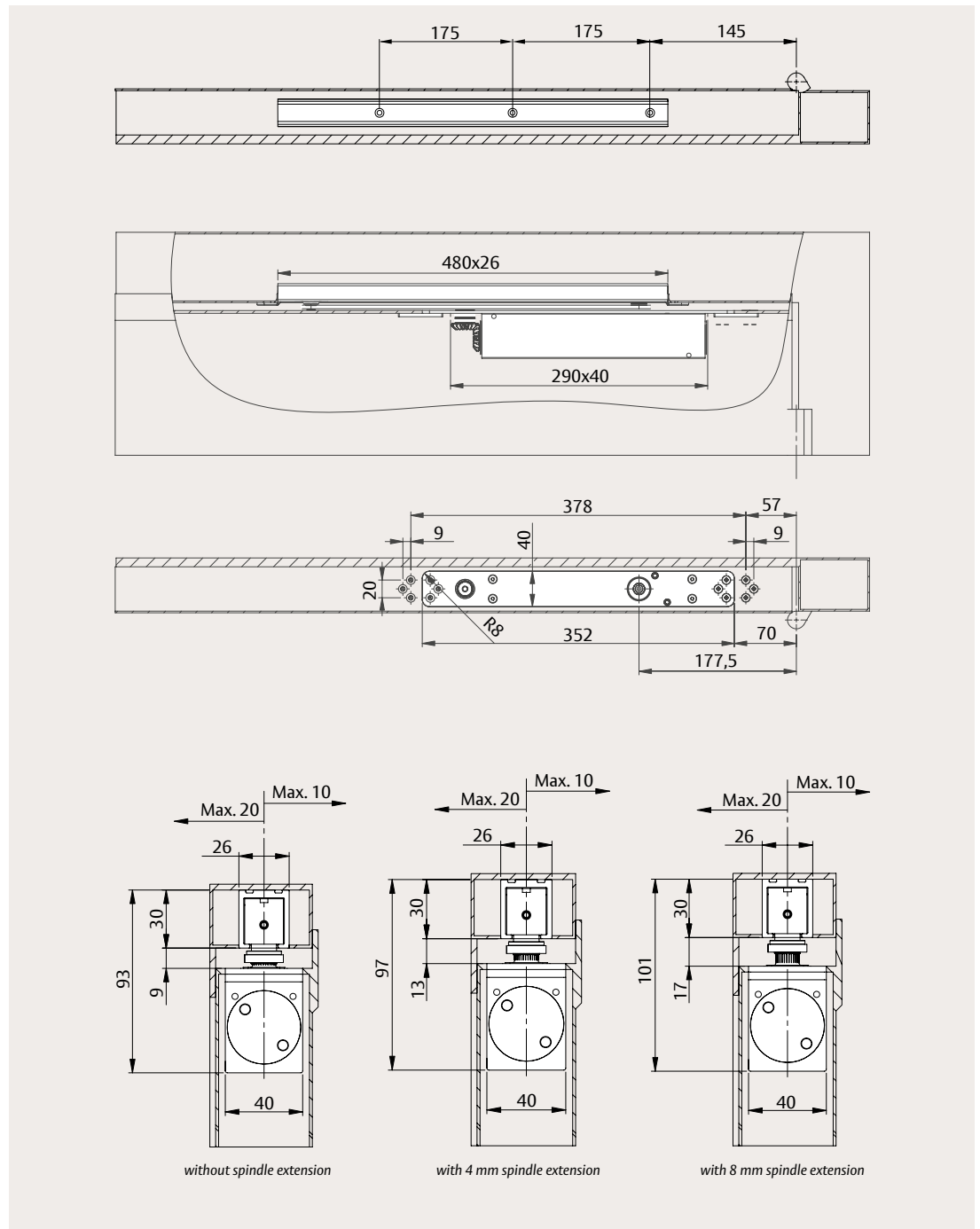


# DC860 with G880

## Mounting dimensions

### Leaf mounting with G880

The drawing illustrates  
installation on right-handed  
doors. For left-handed doors,  
it is the reverse.



# DC860 with G880

## Order information

For door closer order information, please see DC860.



### Guide rails

G880 with electro-mechanical hold-open device, silver, EV1	DCG880-----EV1-
Guide rail G880 with electro-mechanical hold-open device, customized finish	DCG880-----XXXX

### Accessories

Flush mounted door release button A178	DCA178-----
Interrupter push-button 1316-10, surface-mounted	1316-10-----00
Interrupter push-button 1317-10, flush-mounted	1317-10-----00
Smoke detector station RZ100, silver, EV1	DCRZ100---DEV1-
Smoke detector station RZ100, white, similar to RAL 9016	DCRZ100---D9016
Smoke detector station RZ100, stainless steel design	DCRZ100---D35--
Smoke detector station RZ100, customized finish	DCRZ100---DXXXX
Ceiling mounted smoke detector ORS 142 with base, white, similar to RAL 9010	DCRZ101----9010
Mounting plate A162, galvanized	DCA162-----40
Fire protection A193	DCA193-----

G880



A178



1316-10



1317-10



RZ100



ORS 142



A162



A193





## DC860 with G881

Concealed door closer with Cam-Motion® technology and integrated mechanical coordinator for double leaf doors, size 3-5



DC860 with guide rail G881, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

Concealed into the door leaf, DC860 delivers high performance to support all building users without diluting the impact of your entrance designs. The mechanical coordinator is integrated into the guide rail.

- Certified in compliance with EN 1154, size 1-5 and EN 1158, size 3-6
- Suitable for fire and smoke protection doors
- For double leaf doors with hinge distance from 1350 mm up to 2500 mm
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894

### Colours

- Silver, EV1
- Customized colours on request

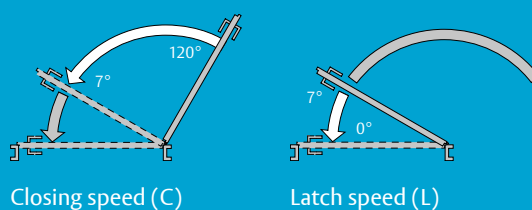
### Features

- Closing and latch speeds can be raised and lowered independently
- Adjustable power sizes simplify specification
- Durable, top-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Carry bar guarantees correct closing sequence (passive leaf closes before active leaf)
- Versatile use with with 4 mm and 8 mm extended spindle options

### Accessories

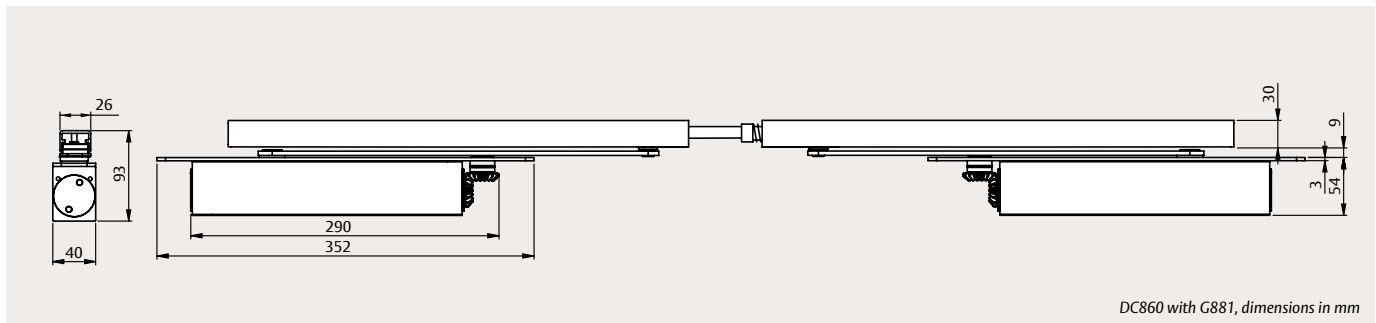
- **A101/A102** carry bars, installed on the passive door leaf, enable correct opening sequence of double doors
- **A114** mechanical hold-open device with adjustable hold-open force, keeps doors open at an angle between 70° and 120° (not approved for use on fire and smoke protection doors)
- **A191** mechanical opening damper for use on active door leaf (does not replace door stop)
- **A162** mounting plate set for metal doors
- **A193** fire protection to improve fire resistance (adjustment options remain accessible)

### Independent adjustment via top-facing valves



## DC860 with G881

### Technical attributes and certification



DC860 with G881, dimensions in mm



#### Technical attributes

Guide rail G881 (For door closer information, please see DC860.)

Closing force	EN size 3-5
Maximum hinge distance	1350 – 2500 mm
Maximum opening angle	~120°
Hold-open angle	80°–120°
Door system	Double leaf
Handing	Left- / right-handed
Mounting options	Concealed into door leaf
Force adjustment	Yes
Height adjustment	No
Corrosion resistance	Grade 0 (not defined)
Dimensions (H x D x L)	30 x 26 x * mm (*depends on hinge distance)

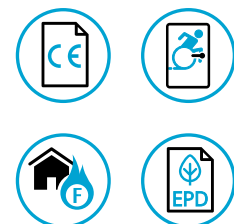


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#### Certification and testing

Certified in compliance with	EN 1154, EN 1158
CE classification	3   8   1-5   1   1   2 (EN 1154) 3   8   3-6   1   1   0 (EN 1158)
CE / UKCA mark	Yes
Suitable for fire and smoke protection doors	Yes
Barrier-free according to	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
Third-party verified EPD	ISO 14025, EN 15804

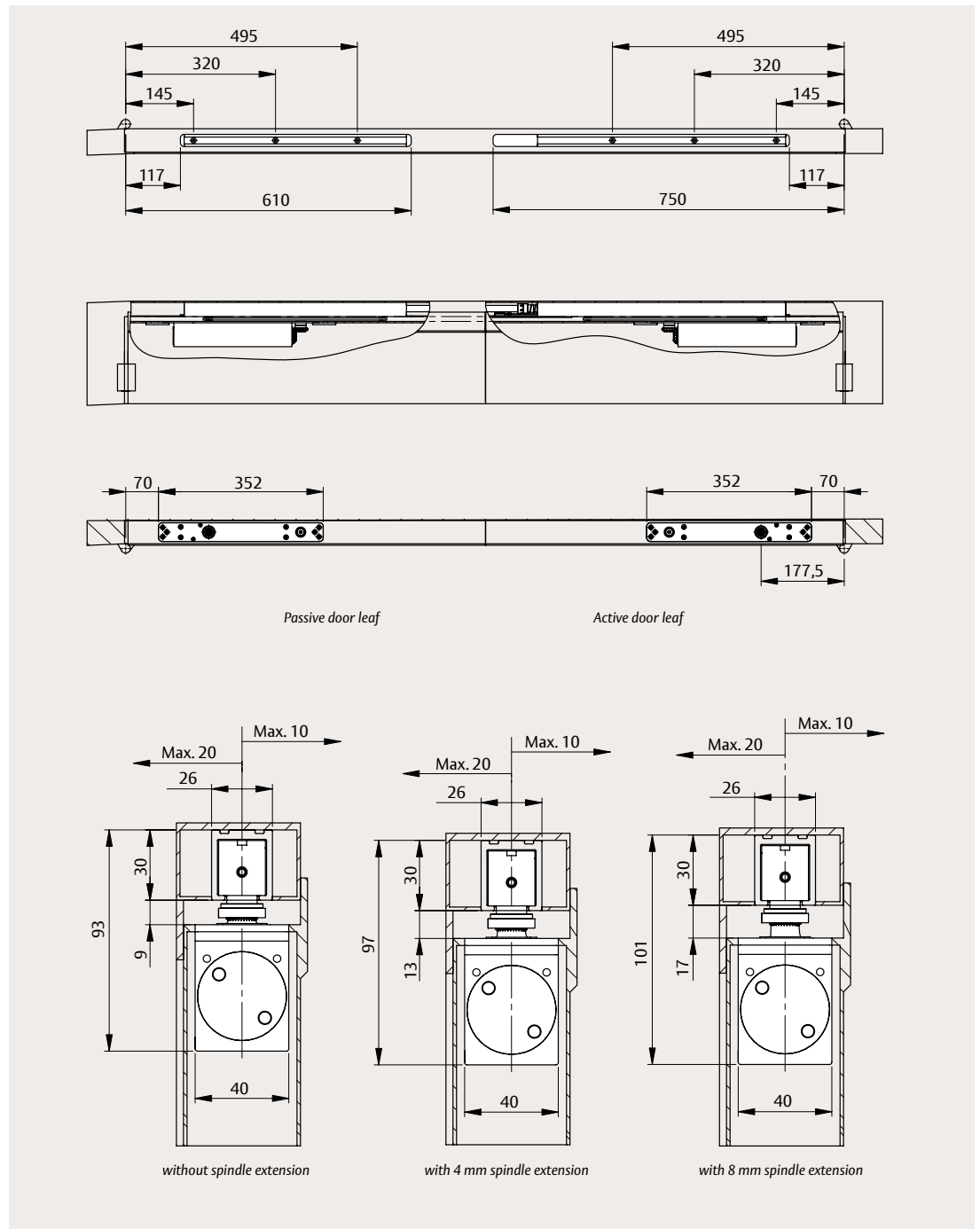


# DC860 with G881

## Mounting dimensions

### Leaf mounting with G881

The drawing illustrates  
installation on right-handed  
doors. For left-handed doors,  
it is the reverse.



# DC860 with G881

## Order information

For door closer order information, please see DC860.



### Guide rails

G881 with mechanical coordinator, silver, EV1	DCG881-----EV1
G881 with mechanical coordinator, customized finish	DCG881-----XXXX

### Accessories

Carry bar A101 for hinge side mounting	DCA101-----
Carry bar A102 for non-hinge side mounting	DCA102-----
Mechanical hold-open device A114	DCA114-----
Mechanical opening damper A191	DCA191-----
Mounting plate A162, galvanized	DCA162-----40
Fire protection A193	DCA193-----

G881



A101



A102



A114



A191



A162



A193



## DC860 with G882 / G884

Concealed door closer with Cam-Motion® technology, integrated mechanical coordinator and electro-mechanical hold-open device(s) – for double leaf doors, size 3-5



DC860 with guide rail G882 / G884, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

Concealed into the door leaf, DC860 delivers high performance to support all building users without diluting the impact of your entrance designs. The mechanical door coordinator and electro-mechanical hold-open devices are integrated into the guide rail.

- Certified in compliance with EN 1154, size 1-5 and EN 1155/1158, size 3-6
- Suitable for fire and smoke protection doors
- For double leaf doors with hinge distance from 1350 mm up to 2500 mm
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894
- DIBt approval with different smoke detection systems

### Colours

- Silver, EV1
- Customized colours on request

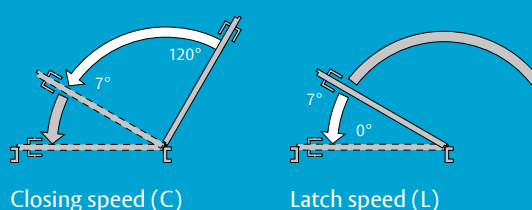
### Features

- Closing and latch speeds can be raised and lowered independently
- Adjustable power sizes simplify specification
- Durable, top-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Carry bar guarantees correct closing sequence (passive leaf closes before active leaf)
- Versatile use with with 4 mm and 8 mm extended spindle options
- Integrated hold-open device keeps doors open at an angle between 80° and 120°

### Guide rails and accessories

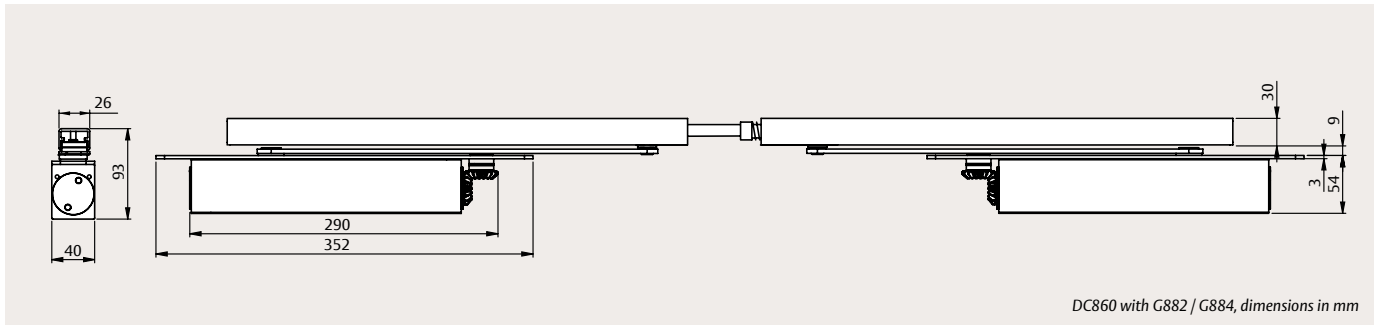
- **G882** guide rail with integrated mechanical coordinator with two electro-mechanical hold-open devices with adjustable hold-open force
- **G884** guide rail with integrated mechanical coordinator with one electro-mechanical hold-open device with adjustable hold-open force
- **A101/A102** carry bars, installed on the passive door leaf, enable correct opening sequence of double doors
- **A178** flush-mounted release button for manual release of hold-open
- **RZ100** smoke detector station with integrated power supply and smoke detector to control arrester devices
- **ORS 142 / TDS 247** ceiling smoke detector
- **A162** mounting plate set for metal doors
- **A193** fire protection to improve fire resistance (adjustment options remain accessible)

### Independent adjustment via top-facing valves



# DC860 with G882 / G884

## Technical attributes and certification



DC860 with G882 / G884, dimensions in mm



### Technical attributes

Guide rail G882 / G884 (For door closer information, please see DC860.)

<b>Closing force</b>	EN size 3-5
<b>Maximum hinge distance</b>	1350 – 2500 mm
<b>Maximum opening angle</b>	~120°
<b>Hold-open angle</b>	80°–120°
<b>Door system</b>	Double leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Concealed into door leaf
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	No
<b>Corrosion resistance</b>	Grade 0 (not defined)
<b>Dimensions (H x D x L)</b>	30 x 26 x * mm (*depends on hinge distance)
<b>Required power supply</b>	24 V DC
<b>Rated power consumption</b>	120 / 60 mA (G882/G884)
<b>Duty cycle</b>	100%

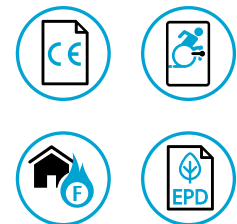


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### Certification and testing

<b>Certified in compliance with</b>	EN 1154, EN 1155, EN 1158
<b>CE classification</b>	3   8   1-5   1   1   2 (EN 1154) 3   8   3-6   1   1   0 (EN 1155) 3   8   3-6   1   1   0 (EN 1158)
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>DIBt approval</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

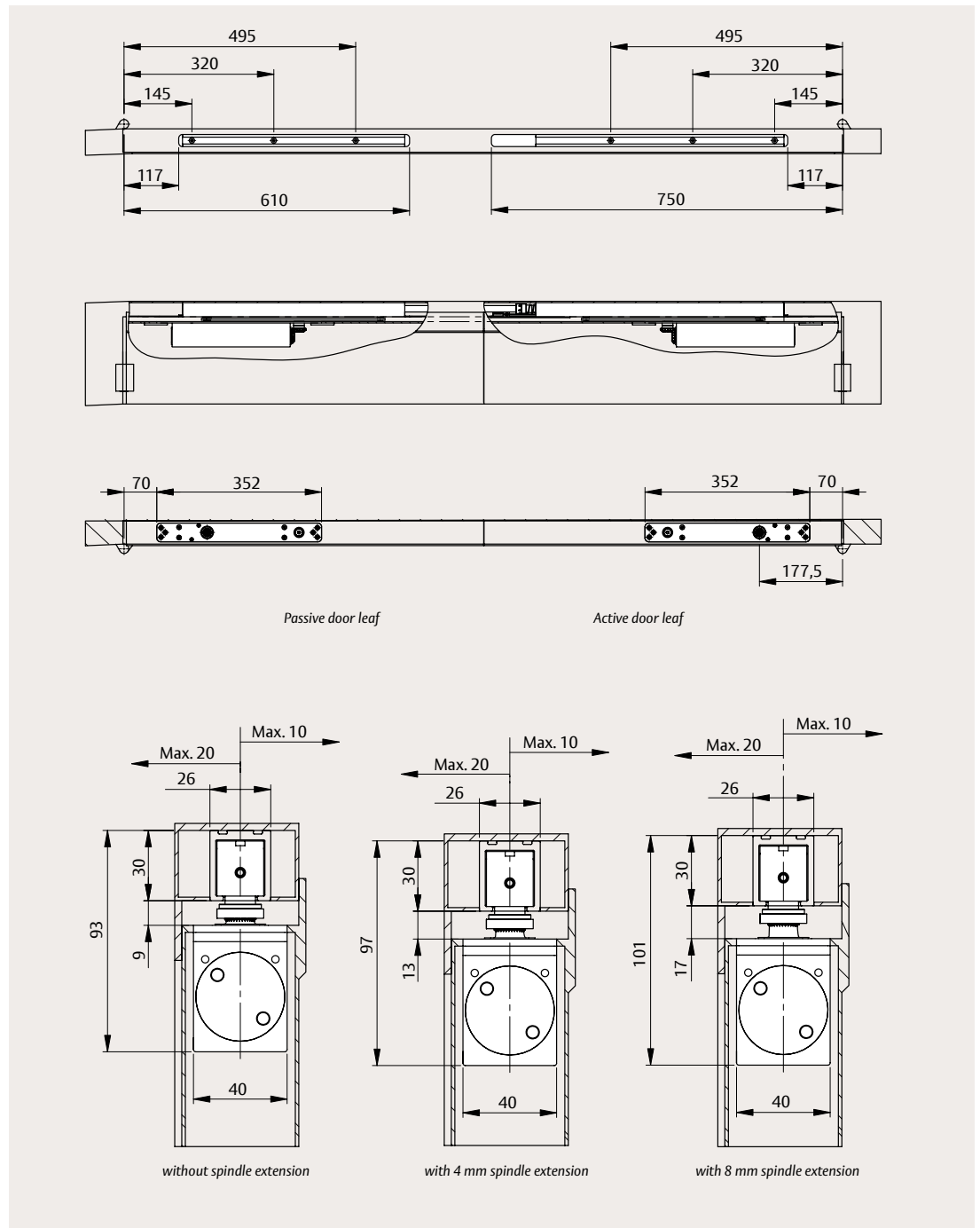


# DC860 with G882 / G884

## Mounting dimensions

### Leaf mounting with G882 / G884

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



## DC860 with G882 / G884

### Order information

For door closer order information, please see DC860.



#### Guide rails

G882 with mechanical coordinator and two electro-mechanical hold-open devices, silver, EV1	DCG882-----EV1-
G882 with mechanical coordinator and two electro-mechanical hold-open devices, customized finish	DCG882-----XXXX
G884 with mechanical coordinator and one electro-mechanical hold-open device, silver, EV1	DCG884-----EV1-
G884 with mechanical coordinator and one electro-mechanical hold-open device, customized finish	DCG884-----XXXX

#### Accessories

Carry bar A101 for hinge side mounting	DCA101-----
Carry bar A102 for non-hinge side mounting	DCA102-----
Flush mounted door release button A178	DCA178-----
Smoke detector station RZ100, silver, EV1	DCRZ100---DEV1-
Smoke detector station RZ100, white, similar to RAL 9016	DCRZ100---D9016
Smoke detector station RZ100, stainless steel design	DCRZ100---D35--
Smoke detector station RZ100, customized finish	DCRZ100---DXXXX
Ceiling mounted smoke detector ORS 142 with base, white, similar to RAL 9010	DCRZ101----9010
Mounting plate A162, galvanized	DCA162-----40
Fire protection A193	DCA193-----

G882/G884



A101



A102



A178



RZ100



ORS 142



A162



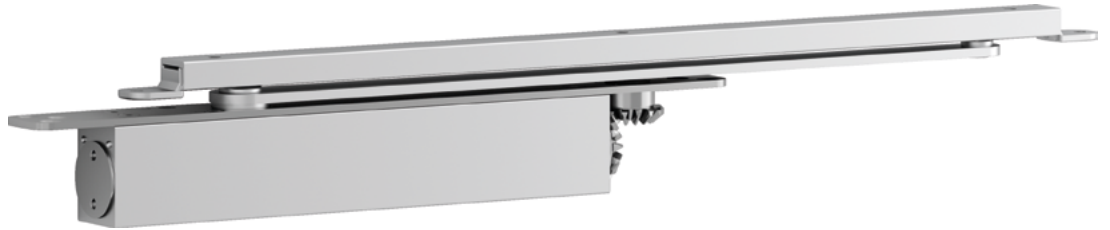
A193





## DC840

Concealed door closer with Cam-Motion® technology and guide rail – for single leaf doors, size 1-4



DC840 with guide rail G892, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

Concealed into the door leaf, DC840 delivers high performance to support all building users without diluting the impact of your entrance designs. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort.

- Certified in compliance with EN 1154, size 1-4
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1100 mm width
- Barrier-free according to DIN 18040 and CEN/TR 15894

### Colours

- Silver, EV1
- Customized colours on request

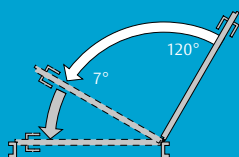
### Features

- Can be used for left- and right-handed doors
- Closing and latch speeds can be raised and lowered independently
- Adjustable power sizes simplify specification
- Durable, top-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Versatile use with with 4 mm and 8 mm extended spindle options

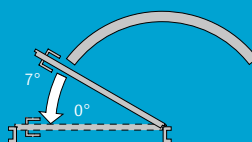
### Guide rails and accessories

- **G892** slim concealed guide rail (20 mm)
- **G893** standard concealed guide rail (31 mm)
- **A152** mechanical hold-open device for G893, **A156** mechanical hold-open device for G892, with adjustable hold-open force, keeps doors open at an angle between 80° and 120° (not approved for use on fire and smoke protection doors)
- **A153** mechanical opening damper for G893, **A157** mechanical opening damper for G892, continuously adjustable up to an opening angle of max. 120° (does not replace door stop)
- **A162** mounting plate set for metal doors
- **A192** fire protection to improve fire resistance (adjustment options remain accessible)

### Independent adjustment via top-facing valves



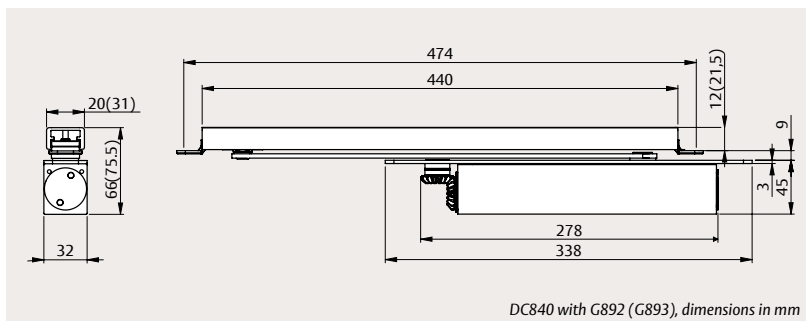
Closing speed (C)



Latch speed (L)

# DC840

## Technical attributes and certification



Scan the QR code to watch the installation video



### Technical attributes

<b>Closing force</b>	EN size 1-4
<b>Maximum leaf width</b>	1100 mm
<b>Minimum leaf thickness</b>	44 mm
<b>Closing speed (C)</b>	Variable between 120° and 7°
<b>Latch speed (L)</b>	Variable between 7° and 0°
<b>Maximum opening angle</b>	~120°
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Concealed into door leaf
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	No
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	45 x 32 x 278 mm



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### Certification and testing

<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	3   8   1-4   1   1   3
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

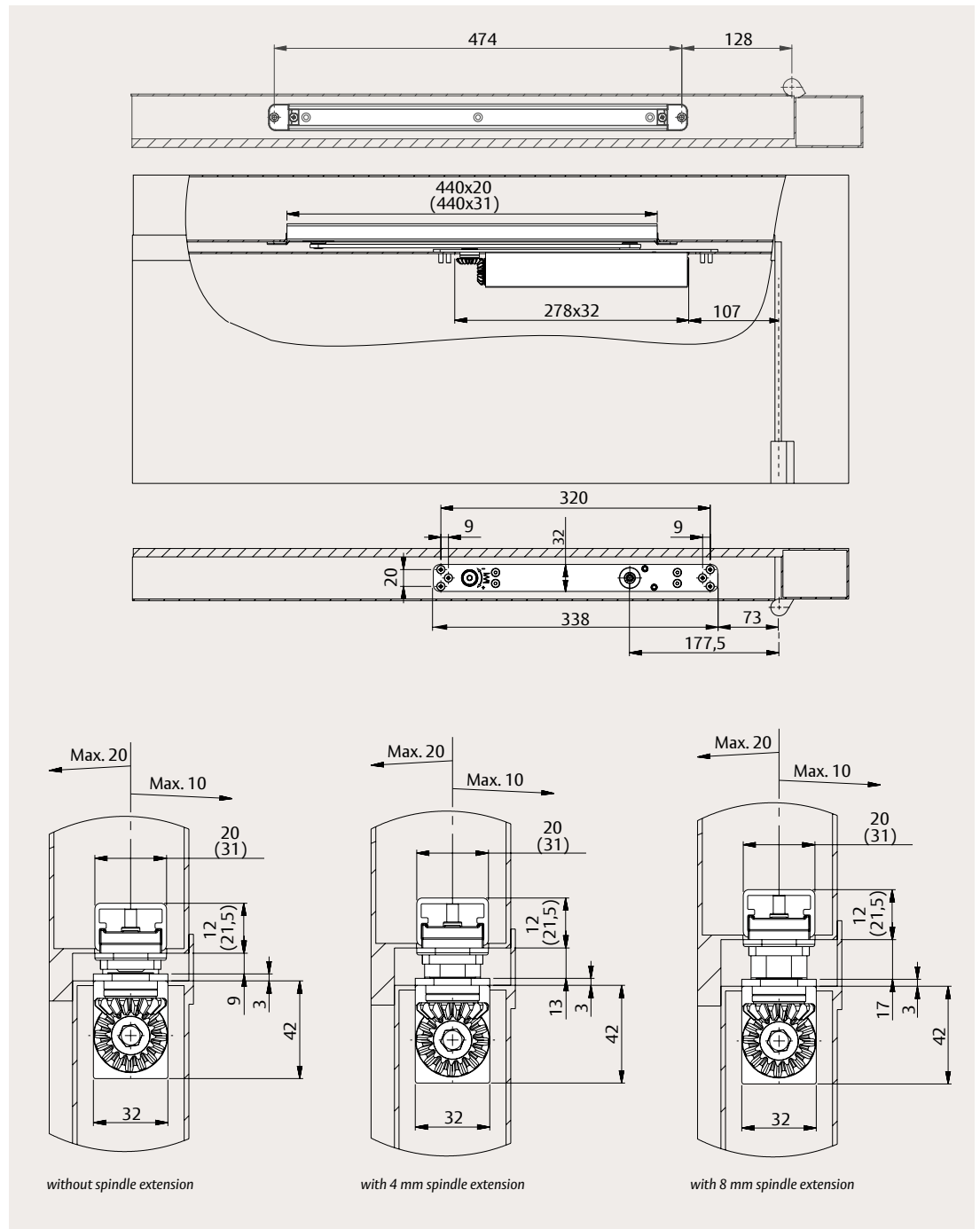


# DC840

## Mounting dimensions

### Leaf mounting with G892 (G893)

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



# DC840

## Order information



### Door closers

DC840, EN size 1-4, silver, EV1	DC840-----EV1-
DC840, EN size 1-4, customized finish	DC840-----XXXX
DC840, EN size 1-4, with 4 mm spindle, silver, EV1	DC840-4-----EV1
DC840, EN size 1-4, with 4 mm spindle, customized finish	DC840-4-----XXXX
DC840, EN size 1-4, with 8 mm spindle, silver, EV1	DC840-8-----EV1
DC840, EN size 1-4, with 8 mm spindle, customized finish	DC840-8-----XXXX

### Guide rails

G892, 20 mm, silver, EV1	DCG892-----EV1-
G892, 20 mm, customized finish	DCG892-----XXXX
G893, 31 mm, silver, EV1	DCG893-----EV1-
G893, 31 mm, customized finish	DCG893-----XXXX

### Accessories

Mechanical hold-open device A152 for G893	DCA152-----
Mechanical hold-open device A156 for G892	DCA156-----
Mechanical opening damper A153 for G893	DCA153-----
Mechanical opening damper A157 for G892	DCA157-----
Mounting plate A162, galvanized	DCA162-----40
Fire protection A192	DCA192-----

G892



G893



A152



A156



A153



A157



A162



A192



## DC830U

Concealed door closer with Cam-Motion® technology and guide rail – for single leaf doors, size 2-4



DC830U, silver, EV1

Cam-Motion® technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

Concealed into the door leaf, DC830U delivers high performance to support all building users without diluting the impact of your entrance designs. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort.

- Certified in compliance with UL 228/ULC-S133, UL 10C, size 2-4
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1100 mm width and from 44 mm thickness
- Barrier-free according to CEN/TR 15894

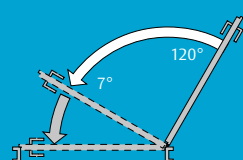
### Colours

- Silver, EV1

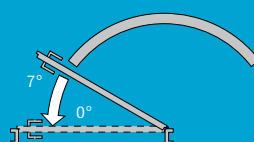
### Features

- Can be used for left- and right-handed doors
- Closing and latch speeds can be raised and lowered independently
- Durable metal valves make adjustments reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas

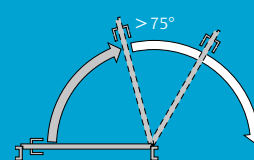
### Independent adjustment via top-facing valves



Closing speed (C)



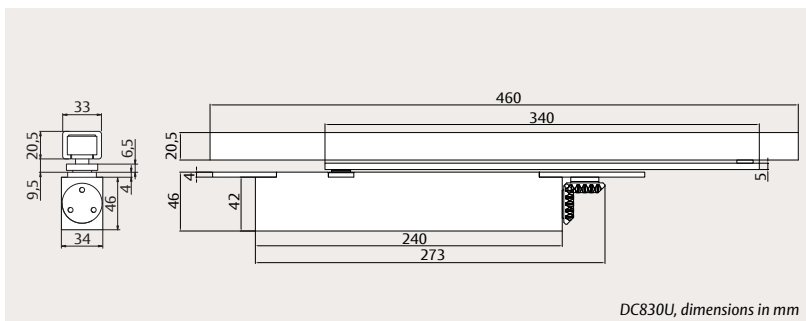
Latch speed (L)



Backcheck (B)

## DC830U

### Technical attributes, certification and order information



#### Technical attributes

<b>Closing force</b>	size 2-4
<b>Maximum leaf width</b>	1100 mm
<b>Minimum leaf thickness</b>	44 mm
<b>Closing speed (C)</b>	Variable between 120° and 7°
<b>Latch speed (L)</b>	Variable between 7° and 0°
<b>Backcheck (B)</b>	Variable above 75°
<b>Maximum opening angle</b>	~120°
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Concealed into door leaf
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	No
<b>Dimensions (H x D x L)</b>	46 x 34 x 273 mm



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#### Certification and testing

<b>Certified in compliance with</b>	UL 228/ULC-S133, UL 10C
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

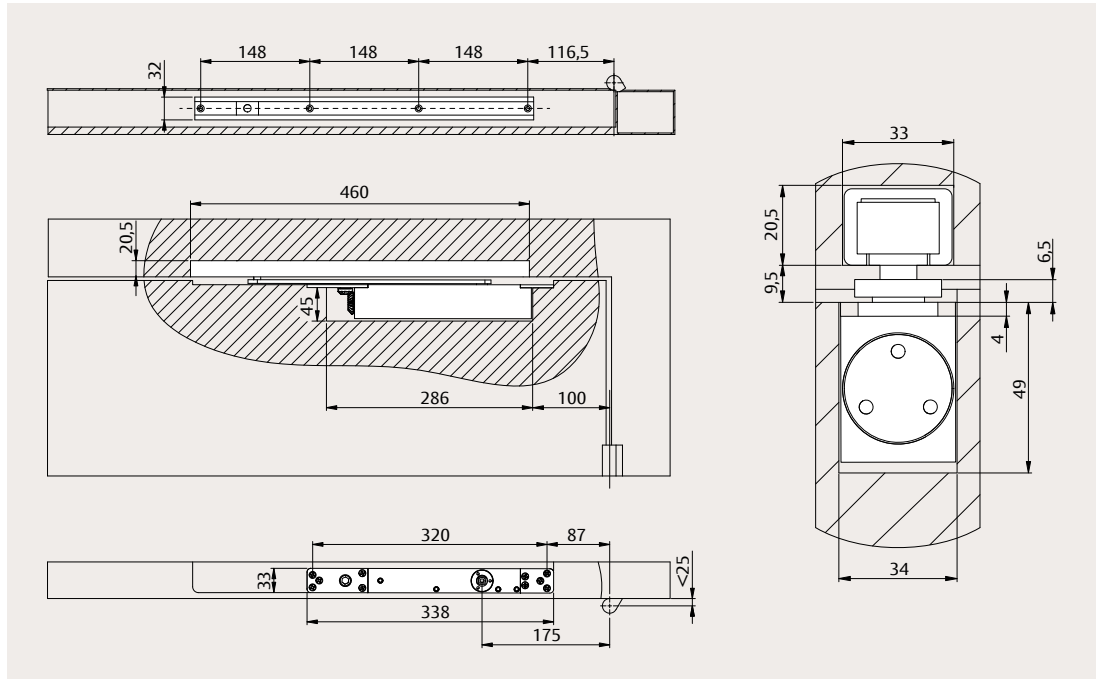


# DC830U

## Mounting dimensions and order information

### Leaf mounting

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



### Order information

DC830U concealed door closer, size 2-4, silver, EV1

DC830U-----EV1-

## DC826

Concealed door closer with rack and pinion technology and guide rail – for single leaf doors, size 3



DC826, silver, EV1

Concealed into the door leaf, DC826 delivers high performance to support all building users without diluting the impact of your entrance designs. The economical rack and pinion technology is durable and temperature-tolerant.

- Certified in compliance with EN 1154, size 3
- Suitable for fire and smoke protection doors
- For single leaf doors up to 950 mm width

### Colours

- Silver, EV1

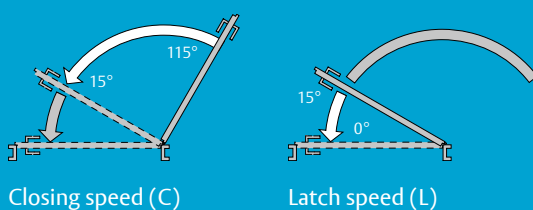
### Features

- Can be used for left- and right-handed doors
- Closing and latch speeds can be raised and lowered independently
- Durable metal valves make adjustments reliable
- Consistent performance in a wide range of temperatures

### Accessories

- **A278** mechanical hold-open device, with adjustable hold-open force, keeps doors open at an angle between 50° and 100° (not approved for use on fire and smoke protection doors)
- **A279** mechanical opening damper, continuously adjustable up to an opening angle of max. 100° (does not replace door stop)

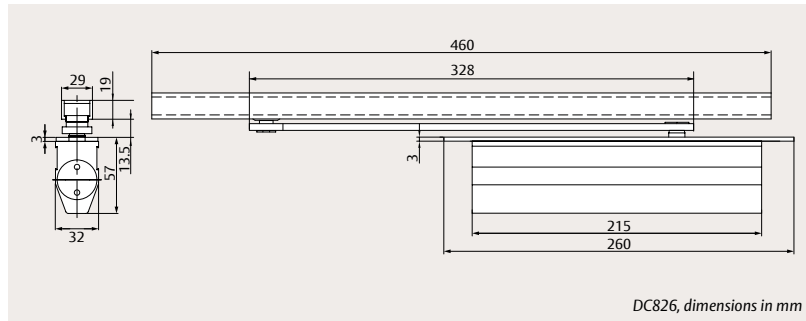
### Independent adjustment via top-facing valves





# DC826

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 3
<b>Maximum leaf width</b>	950 mm
<b>Closing speed (C)</b>	Variable between 115° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Maximum opening angle</b>	~115°
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Concealed into door leaf
<b>Force adjustment</b>	No
<b>Height adjustment</b>	No
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	57 x 32 x 215 mm



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### Certification and testing

<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	3   8   3   1   1   3
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

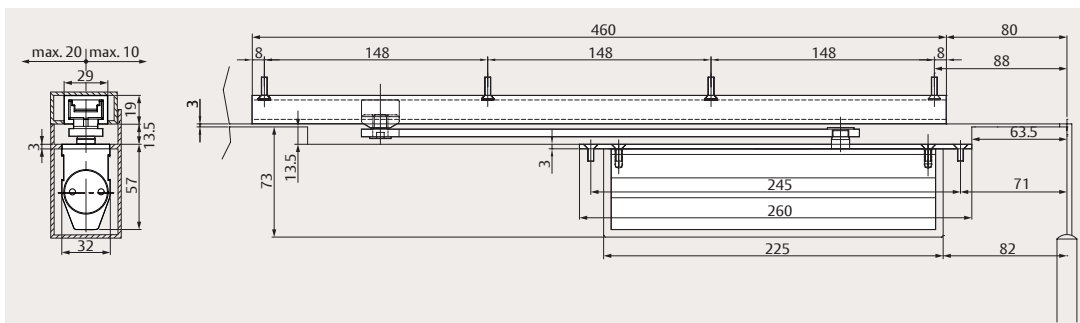


# DC826

## Mounting dimensions and order information

### Leaf mounting

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



### Door closers

DC826, EN size 3, silver, EV1

DC826-----EV1-

### Accessories

Mechanical hold-open device A278

DCA278-----

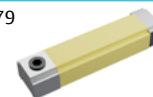
Mechanical opening damper A279

DCA279-----

A278

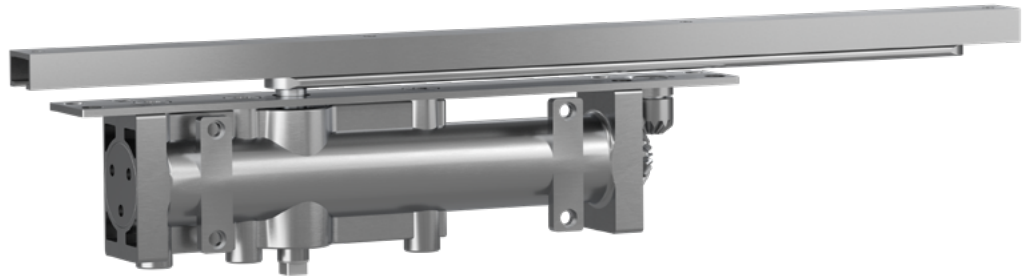


A279



## DC824U

Concealed door closer with rack and pinion technology and guide rail – for single leaf doors, size 2-4



DC824U, silver, EV1

Concealed into the door leaf, DC824U delivers high performance to support all building users without diluting the impact of your entrance designs. The economical rack and pinion technology offers superior durability and temperature tolerance.

- Certified in compliance with UL 228/ULC-S133, UL 10C, size 2-4
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1100 mm width and from 48 mm thickness

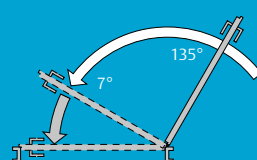
### Colours

- Silver, EV1

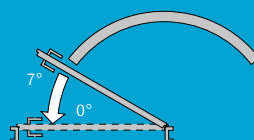
### Features

- Can be used for left- and right-handed doors
- Closing and latch speeds can be raised and lowered independently
- Durable metal valves make adjustments reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas

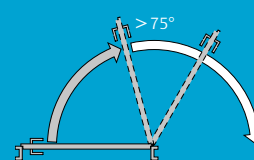
### Independent adjustment via top-facing valves



Closing speed (C)



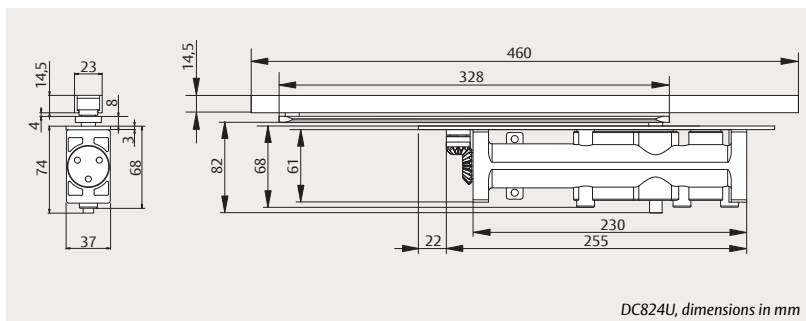
Latch speed (L)



Backcheck (B)

## DC824U

### Technical attributes, certification and order information



#### Technical attributes

<b>Closing force</b>	size 2-4
<b>Maximum leaf width</b>	1100 mm
<b>Minimum leaf thickness</b>	48 mm
<b>Closing speed (C)</b>	Variable between 135° and 7°
<b>Latch speed (L)</b>	Variable between 7° and 0°
<b>Backcheck (B)</b>	Variable above 75°
<b>Maximum opening angle</b>	~135°
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Concealed into door leaf
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	No
<b>Dimensions (H x D x L)</b>	68 x 37 x 255 mm



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#### Certification and testing

<b>Certified in compliance with</b>	UL 228/ULC-S133, UL 10C
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

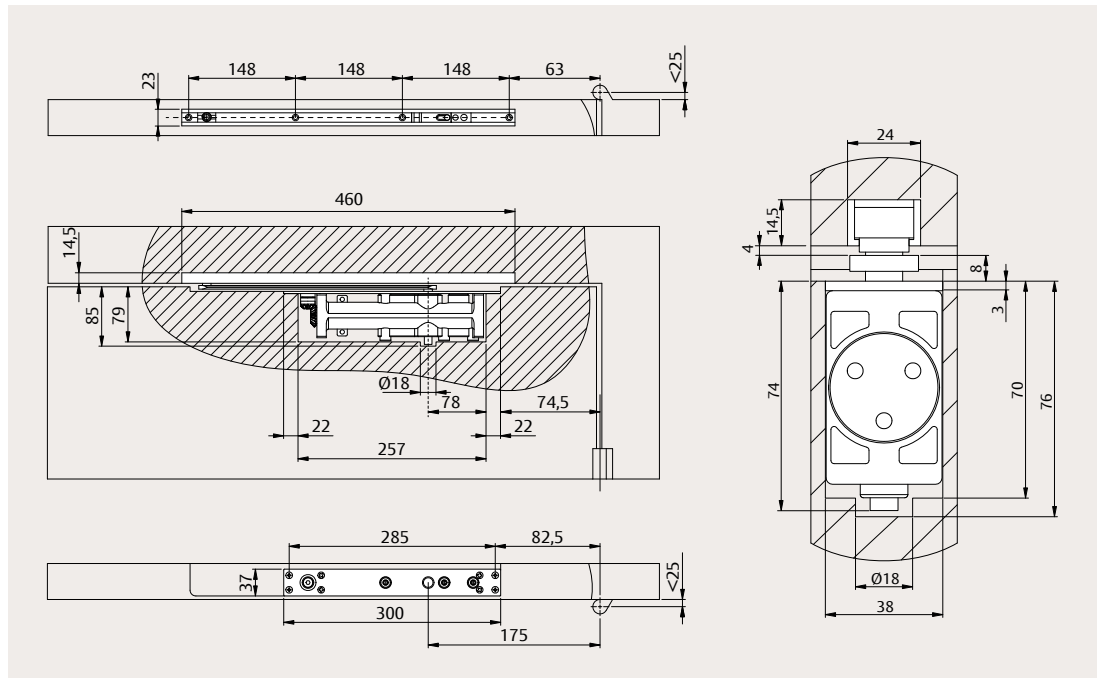


# DC824U

## Mounting dimensions and order information

### Leaf mounting

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



### Order information

DC824U concealed door closer, size 2-4, silver, EV1

DC824U-----EV1-



# Rack & Pinion Door Closers

Close doors with a durable and affordable solution

*High-efficiency rack and pinion technology provides easy access solutions using link arms – with superior durability and temperature tolerance. Our rack and pinion solutions are suitable for fire and smoke protection doors.*



## Rack & pinion systems

### Enhanced durability and efficiency

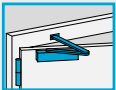
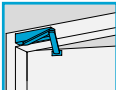
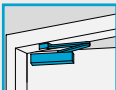
Complementing our Cam-Motion door closers, ASSA ABLOY's high-efficiency rack and pinion technology also offers easy access solutions with link arms.

Due to the high efficiency performance, there is minimal energy loss between the opening force applied by the user, and the closing force returned by the door closer.

This means that a comfortable, low opening force can be set while still meeting the closing force requirements of EN 1154 for use on fire and smoke protection doors.

This meets the responsibilities of specifiers and building owners and improves the end user's experience of the building environment.

#### Product overview – Rack and pinion link arm door closers

	DC640	DC300	DC347	DC340	DC200	DC140	DC120	DC110
<b>Closing force</b>	EN size 3-6	EN size 3-6	EN size 5-7	EN size 2-6	EN size 2-4	EN size 2/3/4/5	EN size 2/3/4	EN size 2/3/4
<b>Maximum leaf width</b>	1400 mm	1400 mm	1600 mm	1400 mm	1100 mm	1250 mm	1100 mm	1100 mm
<b>Suitable for fire doors</b> <i>only for ≥EN3 and not for hold-open variants</i>	■	■	■	■	■	■	■	■
<b>Backcheck</b>	■	■	■	■	■	■	■	■
<b>Delayed closing</b>		□		□				
<b>Hold-open variant</b>		■		■	■	■	■	■
<b>Parallel arm variant</b>		■			■	■	■	■
<b>Guide rail variant</b>	■	■		■		■	■	
<b>Mounting options</b>								
Hinge side door leaf mounting 	■	■	■	■	■	■	■	■
Non-hinge side frame mounting 	■	■	■	■	■	■	■	■
Non-hinge side door leaf mounting with parallel arm 		■ EN size 2-5			■ EN size 2-3	■ EN size 3	■ EN size 3	■ EN size 3

■ = yes

□ = yes, but not for all product variants

## DC640

Rack and pinion door closer with link arm or guide rail with free-swing function for single leaf doors, size 3-6 / 3-4



DC640 with link arm L690 and guide rail G795, silver, EV1

Free-swing technology permits continuous door opening without the resistance of the door closer

The DC640 is an electro-hydraulic rack and pinion door closer with integrated free-swing function that allows doors to open without resistance. It can also be used also as an electro-mechanical hold-open device in applications with link arm L190 or guide rail G195.

- Certified in compliance with EN 1155, size 3-6 / 3-4
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1400 / 1100 mm width
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Brown, similar to RAL 8014
- Black, similar to RAL 9005
- Customized colours on request

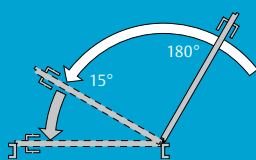
### Features

- Free-swing function starts from a door opening angle  $\geq 70^\circ$  and is active until power supply is switched off
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas
- Simplified stock management with one product fitting a variety of mounting positions

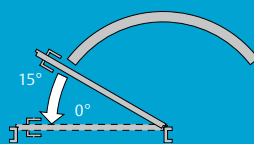
### Guide rail, link arm and accessories

- **G795** height-adjustable (2 mm) free-swing guide rail with concealed fastening screws
- **G195** height-adjustable guide rail (2 mm) with concealed fastening screws
- **L690** free-swing link arm
- **L190** standard link arm
- **A104** angle bracket for guide rail G195
- **A115** mounting plate for guide rail G195
- **A130** mounting plate for guide rail G795
- **A140** connection box for leaf mounting
- **A178** flush-mounted release button for manual release of hold-open

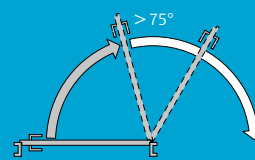
### Independent adjustment via front-facing valves



Closing speed (C)



Latch speed (L)

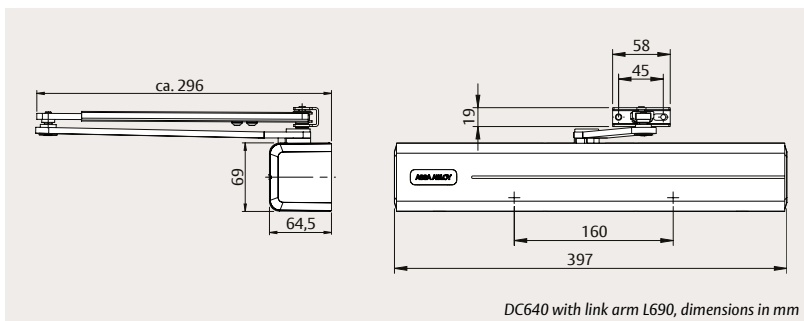


Backcheck (B)

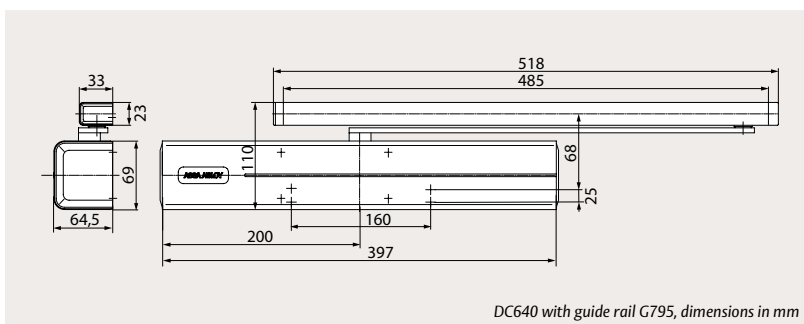


# DC640

## Technical attributes and certification



DC640 with link arm L690, dimensions in mm



DC640 with guide rail G795, dimensions in mm



### Technical attributes

<b>Closing force</b>	EN size 3-6 / 3-4 (link arm / guide rail)
<b>Maximum leaf width</b>	1400/1100 mm (link arm / guide rail)
<b>Closing speed (C)</b>	Variable between 180° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Backcheck (B)</b>	Variable above 75°
<b>Maximum opening angle</b>	~180°/125° (hinge side / non-hinge side)
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side (with connection box) Frame mounting on non-hinge side (without connection box)
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	69 x 64.5 x 397 mm
<b>Required power supply</b>	24 V DC
<b>Rated power consumption</b>	~90 mA
<b>Duty cycle</b>	100%



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### Certification and testing

<b>Certified in compliance with</b>	EN 1155
<b>CE classification</b>	3   8   3-6   1   1   3 (link arm) 3   8   3-4   1   1   3 (guide rail)
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

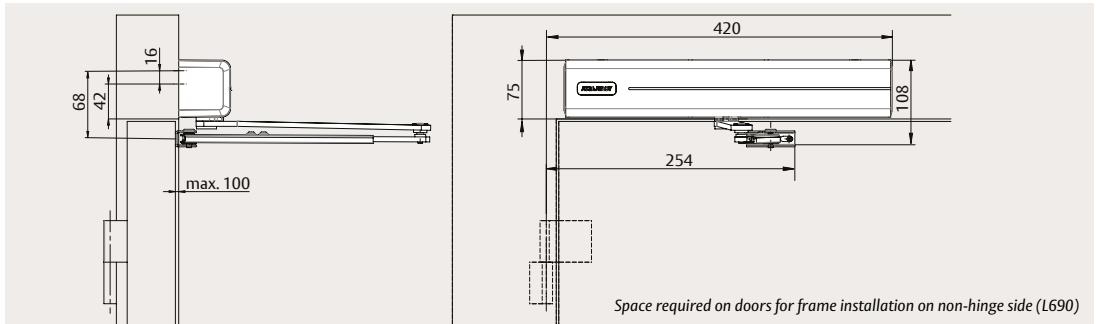
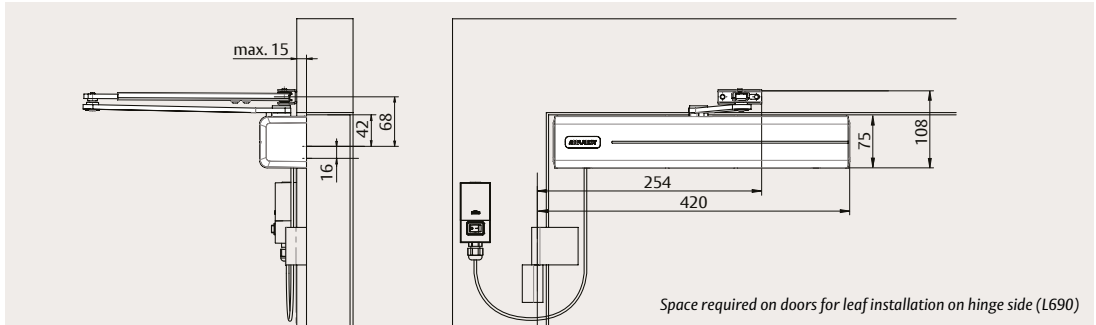


# DC640

## Space requirement and mounting dimensions

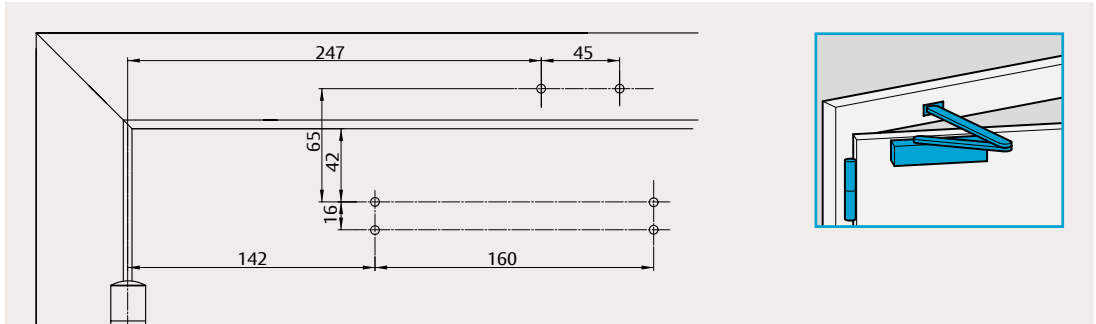


Scan the QR code to watch the installation video



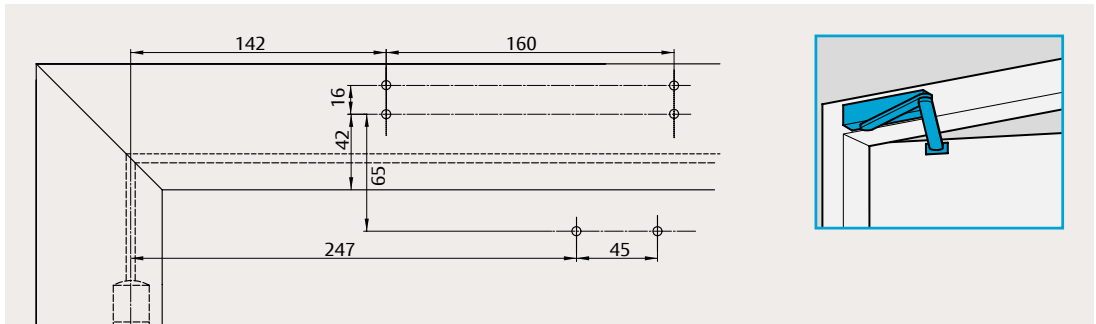
### Direct leaf mounting with link arm on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



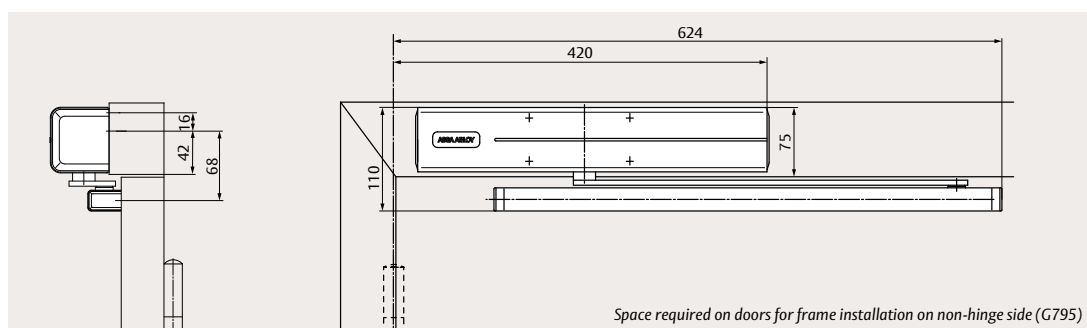
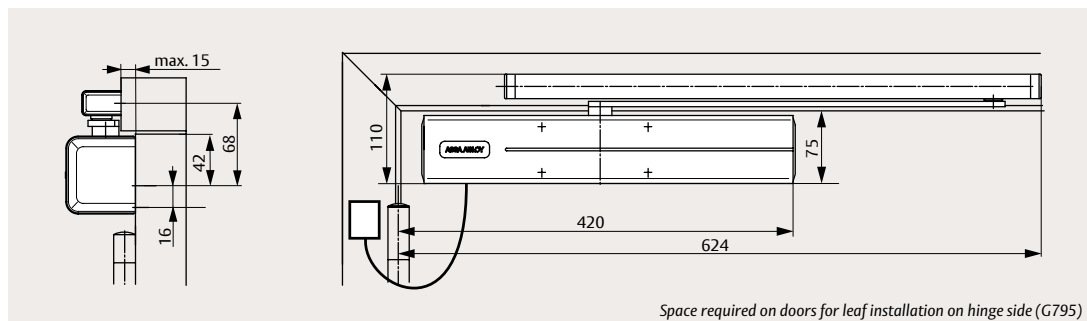
### Direct frame mounting with link arm on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



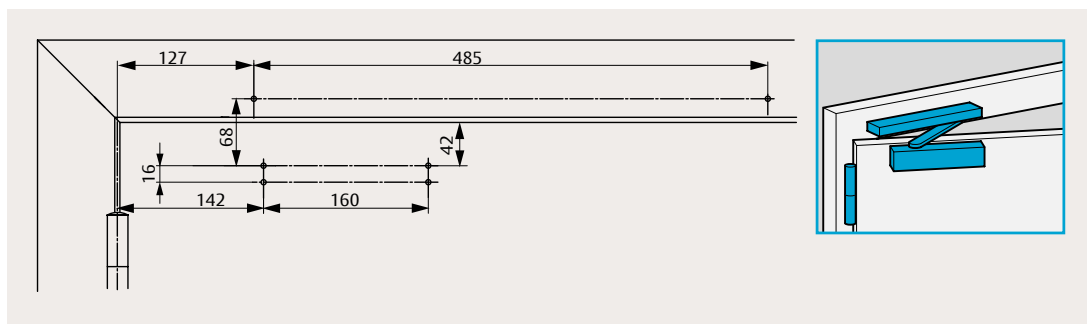
# DC640

## Space requirement and mounting dimensions



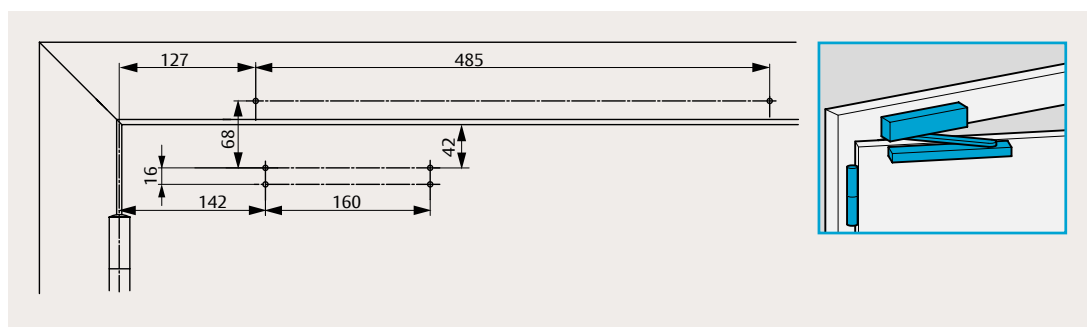
### Direct leaf mounting with guide rail on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



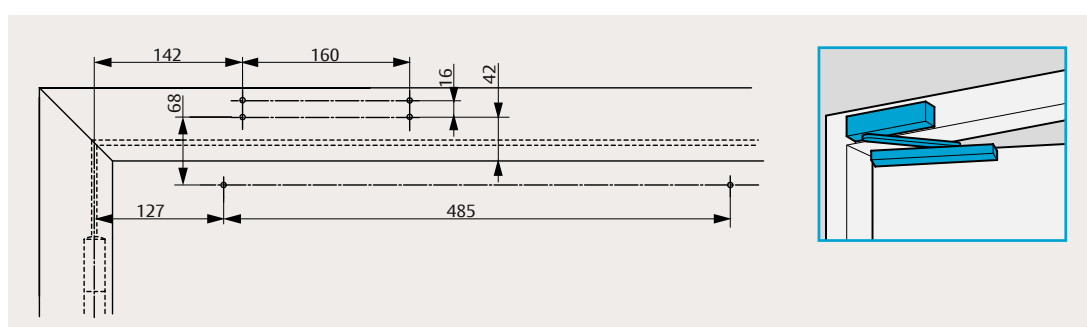
### Direct frame mounting with guide rail on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



### Direct frame mounting with guide rail on non-hinge side

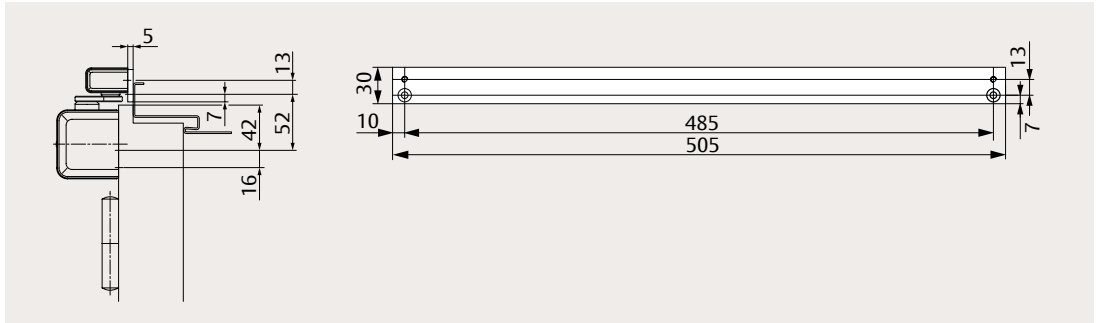
The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



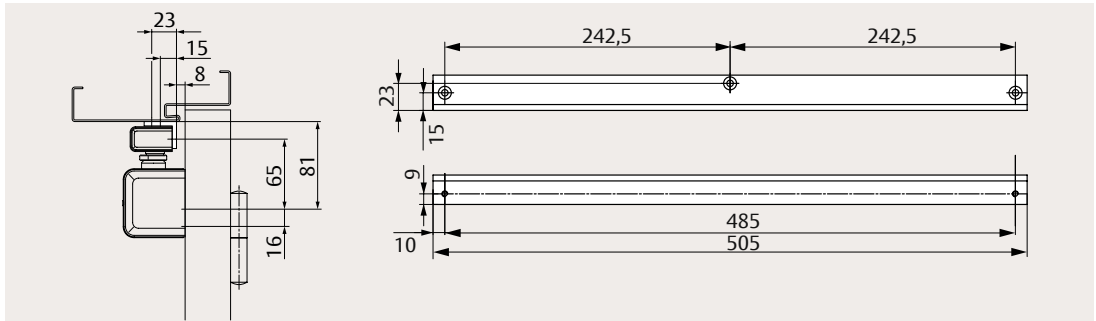
# DC640

## Accessories

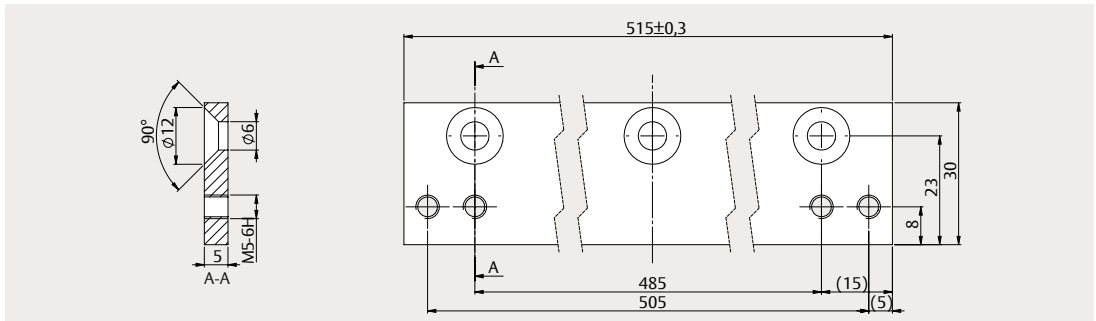
**A130 mounting plate**  
for guide rail G795



**A104 angle bracket**  
for guide rail



**A115 mounting plate**  
for guide rail G195



# DC640

## Order information



### Door closers

DC640, EN size 3-6 / 3-4, silver, EV1	DC640-----DEV1-
DC640, EN size 3-6 / 3-4, white, similar to RAL 9016	DC640-----D9016
DC640, EN size 3-6 / 3-4, brown, similar to RAL 8014	DC640-----D8014
DC640, EN size 3-6 / 3-4, black, similar to RAL 9005	DC640-----D9005
DC640, EN size 3-6 / 3-4, customized finish	DC640-----DXXXX

### Guide rails

Guide rail G795, silver, EV1	DCG795----DEV1-
Guide rail G795, white, similar to RAL 9016	DCG795----D9016
Guide rail G795, brown, similar to RAL 8014	DCG795----D8014
Guide rail G795, black, similar to RAL 9005	DCG795----D9005
Guide rail G795, customized finish	DCG795----DXXXX
Guide rail G195, silver, EV1	DCG195----DEV1-
Guide rail G195, white, similar to RAL 9016	DCG195----D9016
Guide rail G195, brown, similar to RAL 8014	DCG195----D8014
Guide rail G195, black, similar to RAL 9005	DCG195----D9005
Guide rail G195, customized finish	DCG195----DXXXX

### Link arms

Link arm L690, silver, EV1	DCL690-----EV1-
Link arm L690, white, similar to RAL 9016	DCL690-----9016
Link arm L690, brown, similar to RAL 9005	DCL690-----8014
Link arm L690, black, similar to RAL 8014	DCL690-----9005
Link arm L690, customized finish	DCL690-----XXXX
Link arm L190, silver, EV1	DCL190-----EV1-
Link arm L190, white, similar to RAL 9016	DCL190-----9016
Link arm L190, brown, similar to RAL 9005	DCL190-----8014
Link arm L190, black, similar to RAL 8014	DCL190-----9005
Link arm L190, customized finish	DCL190-----XXXX

### Accessories

Mounting plate A130, silver, EV1	DCA130-----EV1-
Mounting plate A130, white, similar to RAL 9016	DCA130-----9016
Mounting plate A130, brown, similar to RAL 8014	DCA130-----8014
Mounting plate A130, black, similar to RAL 9005	DCA130-----9005
Mounting plate A130, customized finish	DCA130-----XXXX
Angle bracket A104, silver, EV1	DCA104-----EV1-
Angle bracket A104, white, RAL 9016	DCA104-----9016
Angle bracket A104, brown, similar to RAL 8014	DCA104-----8014
Angle bracket A104, black, similar to RAL 9005	DCA104-----9005
Mounting plate A115, silver, EV1	DCA115-----EV1-
Mounting plate A115, customized finish	DCA115-----XXXX
Connection box A140	DCA140-----
Flush mounted door release button A178	DCA178-----

DC640, silver



DC640, white



DC640, brown



DC640, black



G795, silver



G795, white



G795, brown



G795, black



G195, silver



L690, silver



L690, white



L690, brown



L690, black



L190, silver



A130, silver



A104, silver



A115, silver



A140



A178



## DC300

Rack and pinion door closer with link arm or guide rail for single leaf doors, size 3-6 / 1-3



DC300 with link arm L190 and guide rail G195, silver, EV1

The DC300 rack and pinion door closer is a functional and universal solution for any door. Its modern and compact design, with a choice of finishes, is both sleek and durable and blends seamlessly into any environment. With the DC300, doors open comfortably and close securely.

- Certified in compliance with EN 1154, size 3-6 / 1-3 (size 2-5 with parallel arm)
- Suitable for fire and smoke protection doors (not for hold-open link arm)
- For single leaf doors up to 1400 / 950 mm width
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Brown, similar to RAL 8014
- Black, similar to RAL 9005
- Customized colours on request

### Features

- Can be used for left- and right-handed doors, door leaf or frame mounted
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas (not for parallel arm installation)
- Optional delayed closing allows more time for a user to pass through the door
- Simplified stock management with universal parts and adaptable solutions

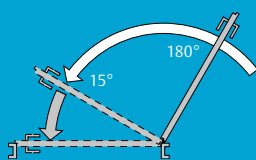
### Product variants

- **DC300DA** with delayed closing variable from 180° to 70°, adjustable from front
- **DC300G** with guide rail G195 or G193

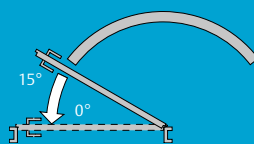
### Link arms, guide rails and accessories

- **L190** standard link arm
- **L191** hold-open link arm with adjustable hold-open angle from 75° to 120° – can be enabled and disabled (cannot be used on fire doors)
- **G195** height-adjustable guide rail (2 mm) with concealed fastening screws
- **G193** standard guide rail with visible fastening screws
- **A120** mounting plate for door closer
- **A123** angle bracket for door closer
- **A154** parallel arm bracket for parallel arm installation (does not provide full closing force)
- **A165** glass door shoe for mounting the door closer on a solid glass door
- **A168** mounting plate for link arm
- **A173** stainless steel full cover
- **A152** mechanical hold-open device with adjustable hold-open force, keeps doors open at an angle between 80° and 130° (not approved for use on fire and smoke protection doors)
- **A153** mechanical opening damper, continuously adjustable up to an opening angle of max. 130° (does not replace door stop)

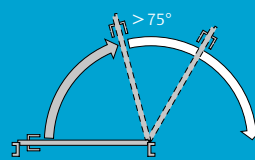
### Independent adjustment via front-facing valves



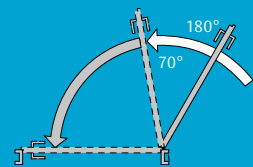
Closing speed (S)



Latch speed (L)



Backcheck (BC)

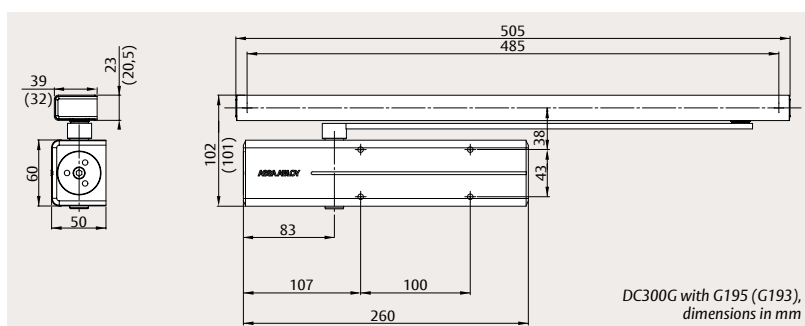
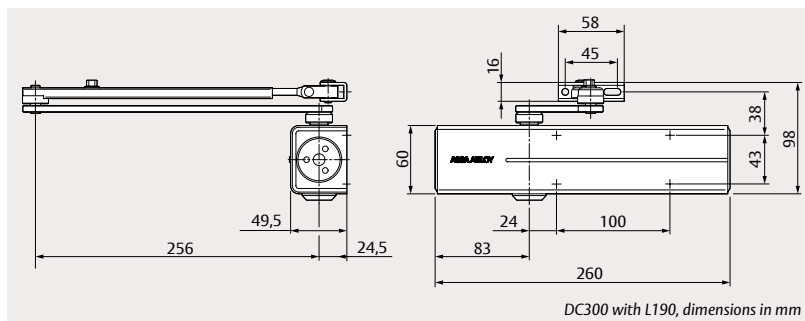


Delayed closing (DA)\*

\* only for DC300DA

# DC300

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 3-6 / 1-3 (link arm / guide rail) (parallel arm EN size 2-5)
<b>Maximum leaf width</b>	1400 / 950 mm (link arm / guide rail)
<b>Closing speed (S)</b>	Variable between 180° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Backcheck (BC)</b>	Variable above 75°
<b>Delayed closing (DA)</b>	Variable between 180° and 70° (only for DC300DA)
<b>Maximum opening angle</b>	~180°
<b>Hold-open angle</b>	75°-120° (for L191)
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side (non-hinge side with parallel arm) Frame mounting on non-hinge side
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 4 (240 hours)
<b>Dimensions (H x D x L)</b>	60 x 50 x 260 mm



Visit [assaabloy.com](http://assaabloy.com) to  
download all relevant  
product literature



### Certification and testing

<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	4   8   3-6   1   1   4 (link arm) 4   8   1-3   1   1   4 (guide rail)
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

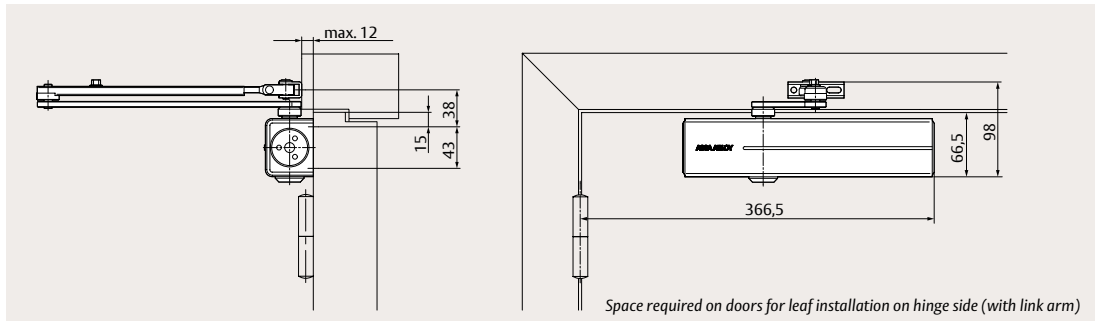


# DC300

## Space requirement and mounting dimensions

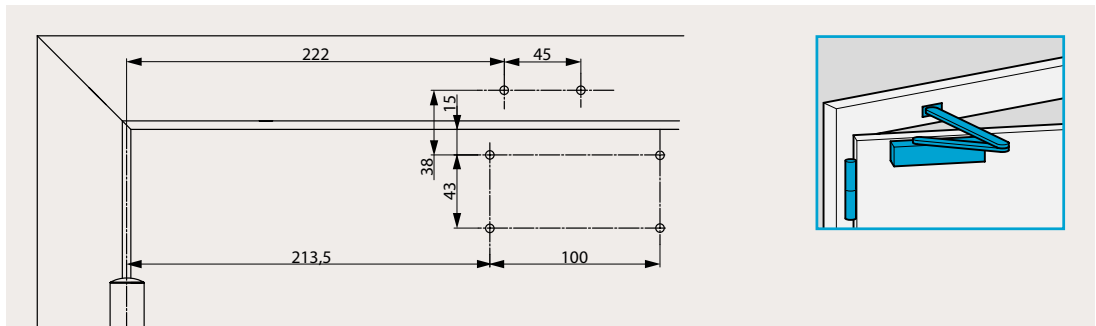


Scan the QR code to watch the installation video



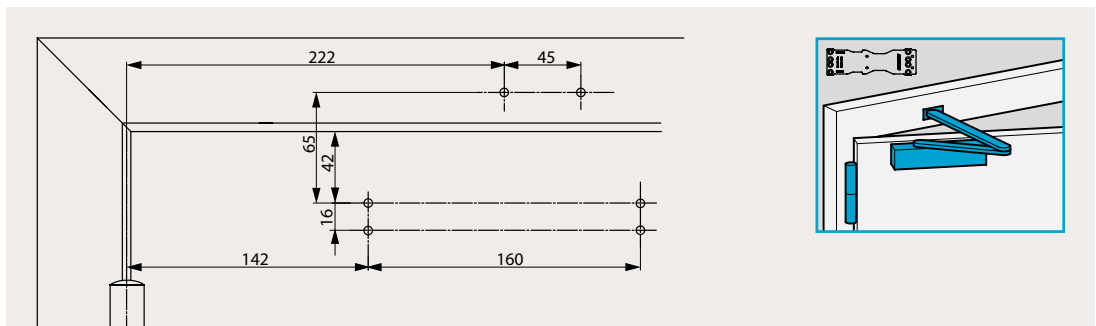
### Direct leaf mounting with link arm on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



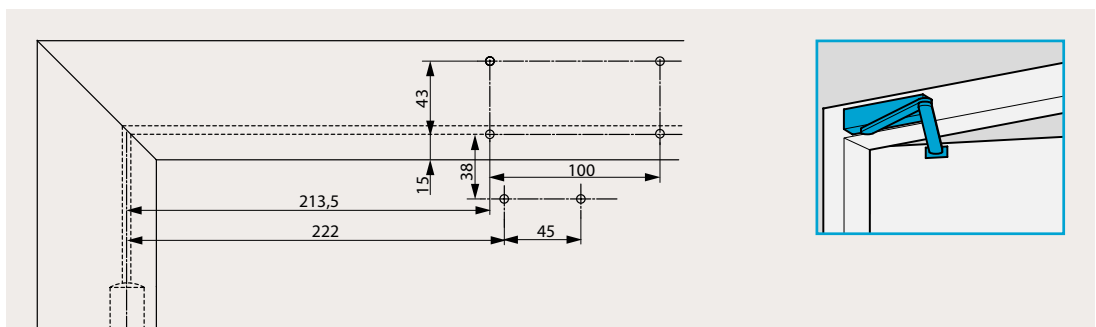
### Mounting plate leaf mounting with link arm on hinge side; in compliance with DIN EN 1154, supplement 1

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



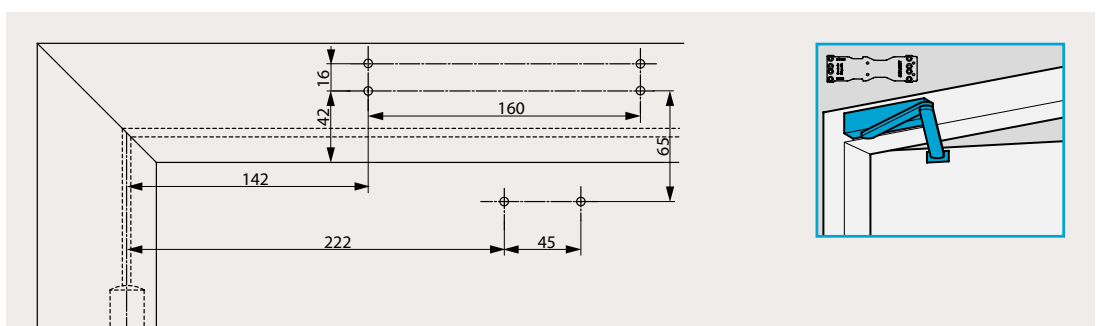
### Direct frame mounting with link arm on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



### Mounting plate frame mounting with link arm on non-hinge side

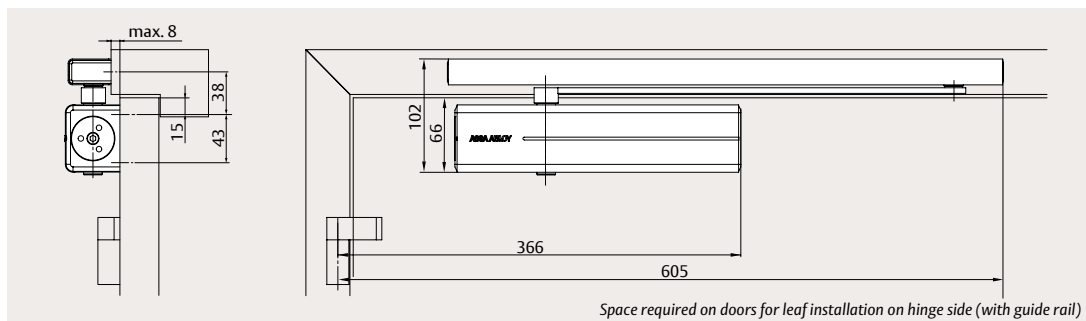
The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.





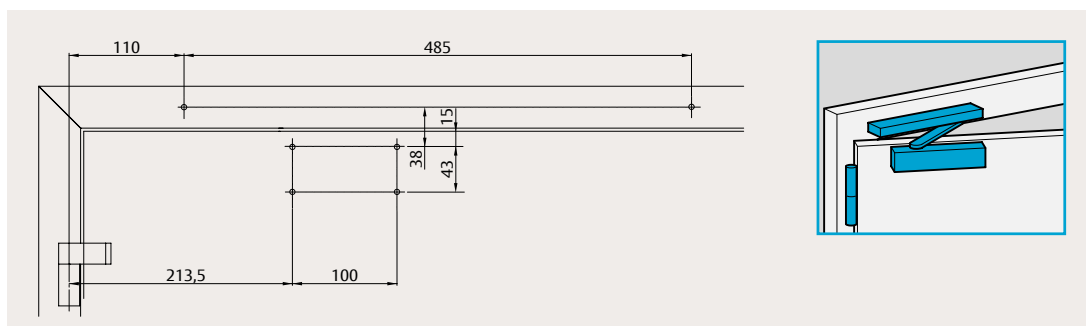
# DC300

## Space requirement and mounting dimensions



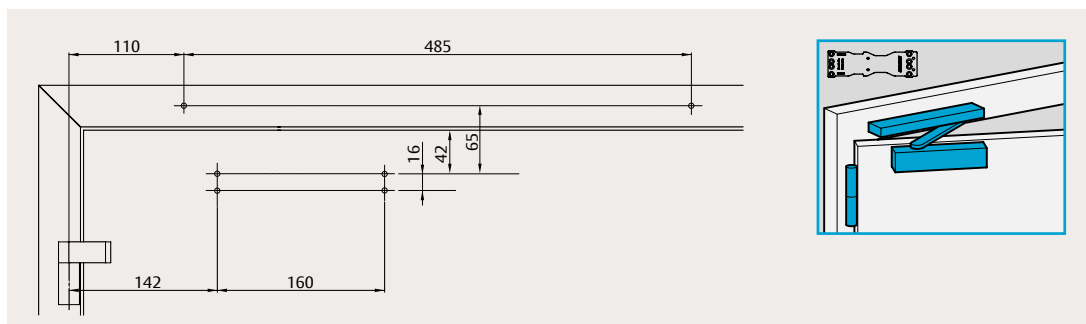
### Direct leaf mounting with guide rail on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



### Mounting plate leaf mounting with guide rail on hinge side; in compliance with DIN EN 1154, supplement 1

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.

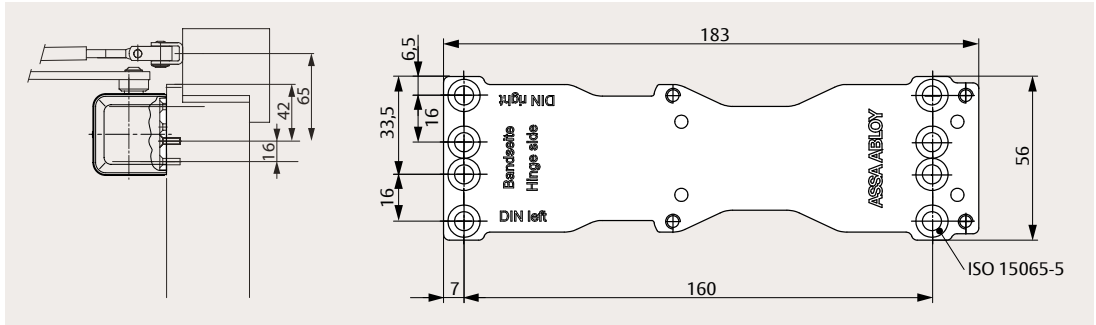


# DC300

## Accessories

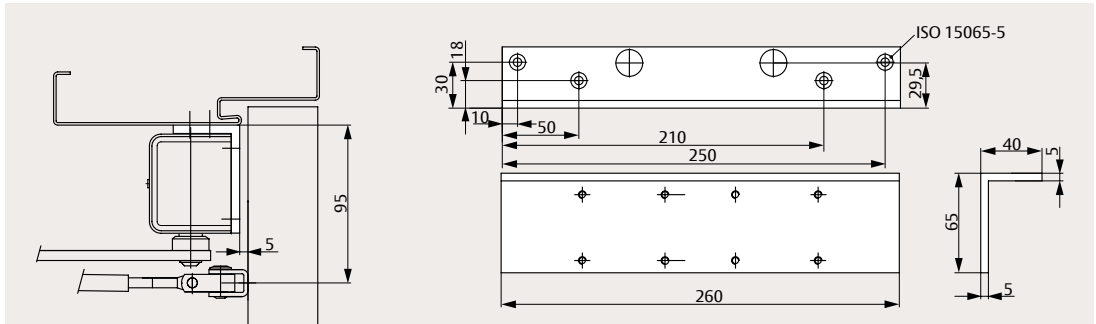
The full list of accessories is available under order information.

**A120 mounting plate**  
for door closer;  
in compliance with DIN  
EN 1154, supplement 1



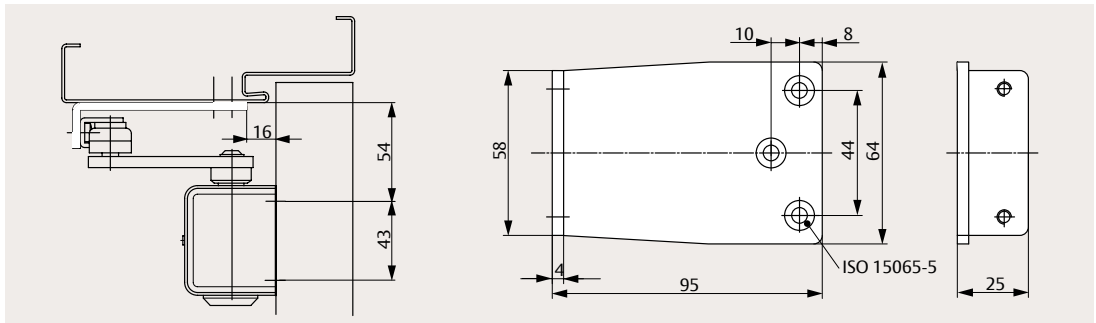
**A123 angle bracket**  
for frame mounting  
on deep posts

*This installation reduces the  
headroom by 70 mm.*  
*Check suitability for use on fire  
and smoke protection doors.*

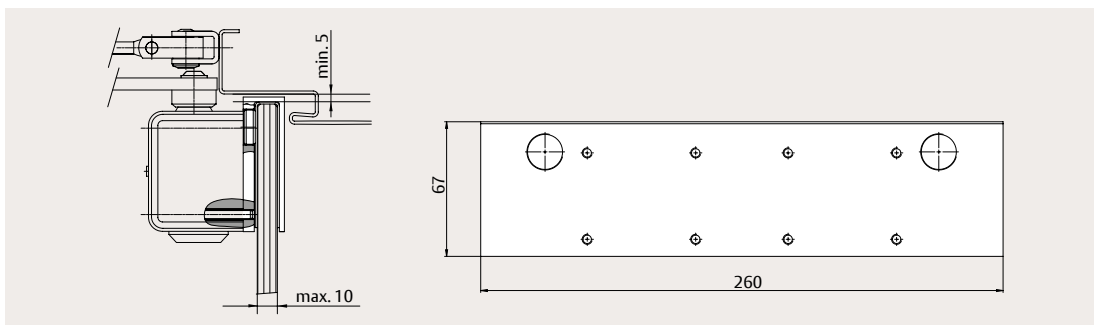


**A154 parallel arm  
bracket**  
for parallel arm  
mounting

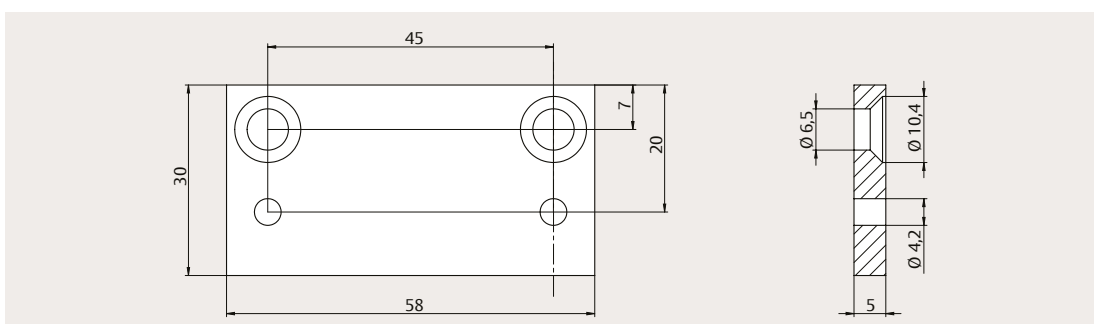
*Check suitability for use on fire  
and smoke protection doors.*



**A165 glass door shoe**  
for mounting door closer  
on solid glass door



**A168 mounting plate**  
for link arm narrow  
frame mounting



# DC300

## Order information



### Door closers

DC300, EN size 3-6, silver, EV1	DC300-----DEV1-
DC300, EN size 3-6, white, similar to RAL 9016	DC300-----D9016
DC300, EN size 3-6, brown, similar to RAL 8014	DC300-----D8014
DC300, EN size 3-6, black, similar to RAL 9005	DC300-----D9005
DC300, EN size 3-6, customized finish	DC300-----DXXXX
DC300DA, EN size 3-6, silver, EV1	DC310-----DEV1-
DC300DA, EN size 3-6, white, similar to RAL 9016	DC310-----D9016
DC300DA, EN size 3-6, brown, similar to RAL 8014	DC310-----D8014
DC300DA, EN size 3-6, black, similar to RAL 9005	DC310-----D9005
DC300DA, EN size 3-6, customized finish	DC310-----DXXXX

### Standard link arms

Link arm L190, silver, EV1	DCL190-----EV1-
Link arm L190, white, similar to RAL 9016	DCL190-----9016
Link arm L190, brown, similar to RAL 9005	DCL190-----8014
Link arm L190, black, similar to RAL 8014	DCL190-----9005
Link arm L190, customized finish	DCL190-----XXXX

### Hold-open link arms

Hold-open link arm L191, silver, EV1	DCL191-----EV1-
Hold-open link arm L191, white, similar to RAL 9016	DCL191-----9016
Hold-open link arm L191, brown, similar to RAL 9005	DCL191-----8014
Hold-open link arm L191, black, similar to RAL 8014	DCL191-----9005
Hold-open link arm L191, customized finish	DCL191-----XXXX

### Guide rails

Guide rail G195, silver, EV1	DCG195----DEV1-
Guide rail G195, white, similar to RAL 9016	DCG195----D9016
Guide rail G195, brown, similar to RAL 8014	DCG195----D8014
Guide rail G195, black, similar to RAL 9005	DCG195----D9005
Guide rail G195, stainless steel	DCG195----D35--
Guide rail G195, customized finish	DCG195----DXXXX
Guide rail G193, silver, EV1	DCG193-----EV1-
Guide rail G193, white, similar to RAL 9016	DCG193-----9016
Guide rail G193, brown, similar to RAL 8014	DCG193-----8014
Guide rail G193, black, similar to RAL 9005	DCG193-----9005

### Accessories

Mounting plate A120, galvanized	DCA120-----40
Angle bracket A123, silver, EV1	DCA123-----EV1-
Angle bracket A123, white, similar to RAL 9016	DCA123-----9016
Angle bracket A123, brown, similar to RAL 8014	DCA123-----8014
Angle bracket A123, black, similar to RAL 9005	DCA123-----9005
Angle bracket A123, customized finish	DCA123-----XXXX
Parallel arm bracket A154, silver, EV1	DCA154-----EV1-
Parallel arm bracket A154, white, similar to RAL 9016	DCA154-----9016
Parallel arm bracket A154, brown, similar to RAL 8014	DCA154-----8014
Parallel arm bracket A154, black, similar to RAL 9005	DCA154-----9005
Parallel arm bracket A154, customized finish	DCA154-----XXXX
Glass door shoe A165, silver, EV1	DCA165-----EV1-
Mounting plate A168, for link arm, silver, EV1	DCA168-----EV1-
Stainless steel full cover A173	DCA173-----35--

DC300, silver



DC300, white



DC300, brown



DC300, black



L190, silver



L190, white



L190, brown



L190, black



L191, silver



G195, silver



G193, silver



A120



A123



A154, silver



A154, white



A154, brown



A154, black



A173



## DC300 Tandem

Tandem door closer with rack and pinion technology and link arm – for single leaf doors, size >7



DC300 Tandem, silver, EV1

The DC300 tandem is a powerful and efficient solution for extra wide and heavy single leaf doors. The two linked DC300 door closers provide twice the closing torque of a single unit. They can only be used with link arm L190 and mounting plate A121.

- Double closing torque of DC300, EN size >7
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1800 mm width

### Colours

- Silver, EV1

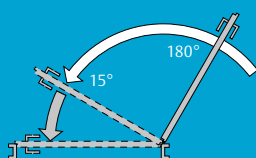
### Features

- Can be used for left- and right-handed doors
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas
- Simplified stock management with universal parts and adaptable solutions

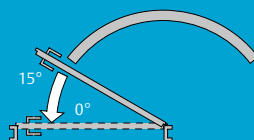
### Link arm and accessories

- **L190** standard link arm
- **A121** mounting plate (required for installation)

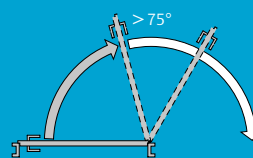
### Independent adjustment via front-facing valves



Closing speed (S)



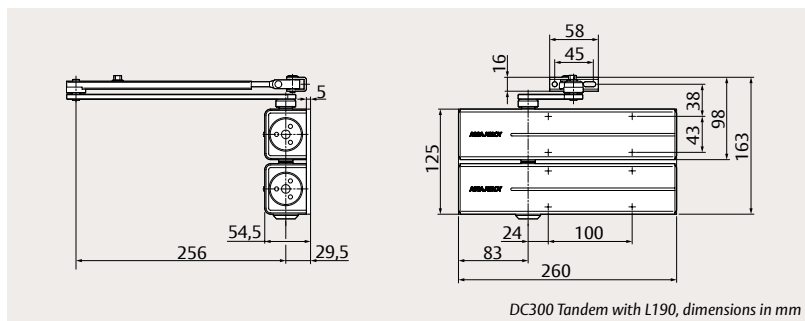
Latch speed (L)



Backcheck (BC)

# DC300 Tandem

## Technical attributes, certification and order information



### Technical attributes

<b>Closing force</b>	EN size >7 (2 x DC300)
<b>Maximum leaf width</b>	1800 mm
<b>Closing speed (S)</b>	Variable between 180° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Backcheck (BC)</b>	Variable above 75°
<b>Maximum opening angle</b>	~180°
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 4 (240 hours)
<b>Dimensions (H x D x L)</b>	125 x 54,5 x 260 mm



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### Certification and testing

<b>Certified in compliance with</b>	EN 1154 (DC300)
<b>CE classification</b>	4   8   3-6   1   1   4 (DC300)
<b>CE / UKCA mark</b>	Yes (DC300)
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Third-party verified EPD</b>	ISO 14025, EN 15804



### Order information

DC300, EN size 3-6, silver, EV1*	DC300-----DEV1-
Link arm L190, silver, EV1	DCL190-----EV1-
Mounting plate A121, silver, EV1	DCA121-----EV1-

\* must be ordered twice

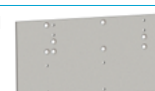
DC300



L190



A121

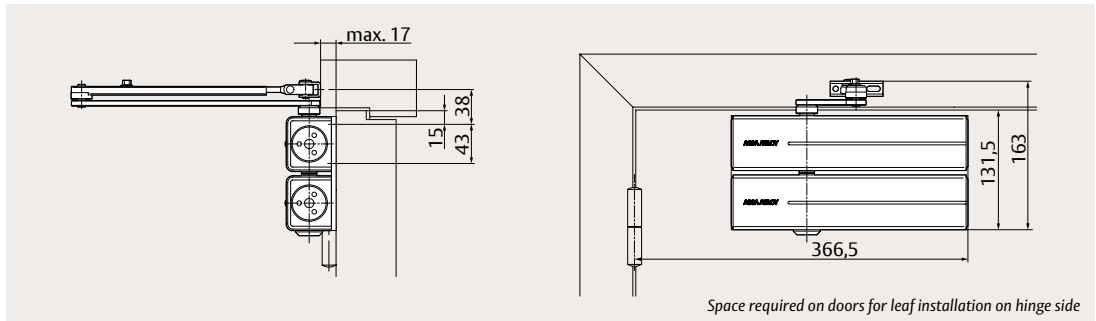


# DC300 Tandem

## Space requirement, mounting dimensions and accessories

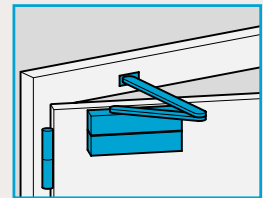
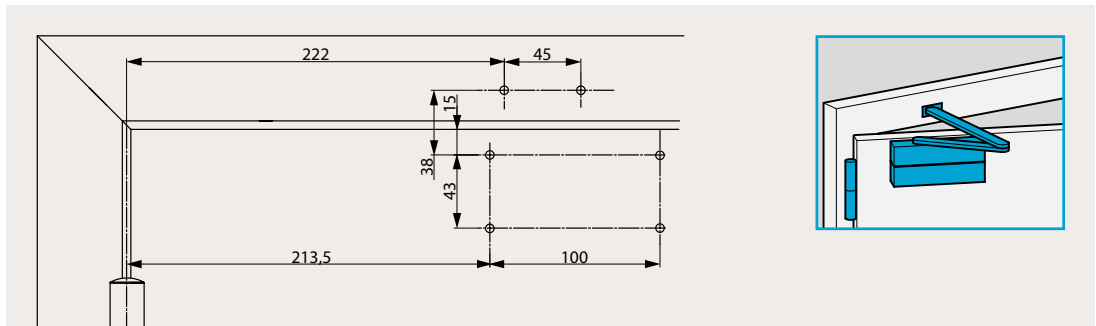


Scan the QR code to watch the installation video



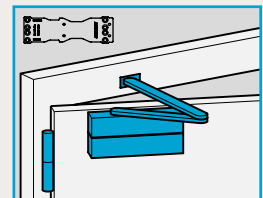
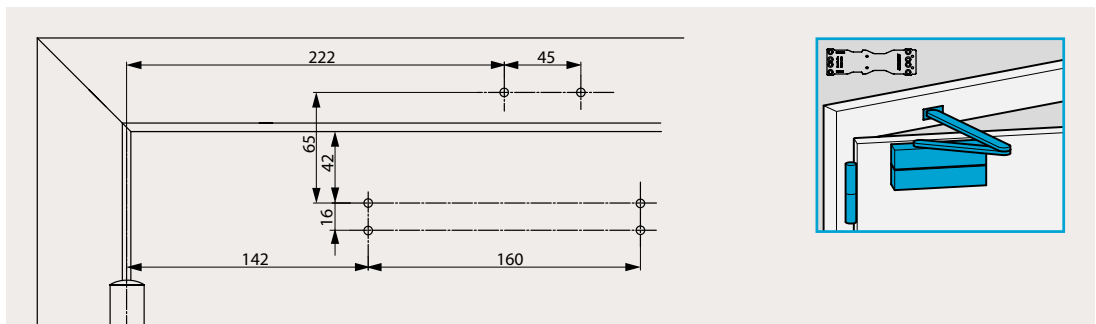
### Direct leaf mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.

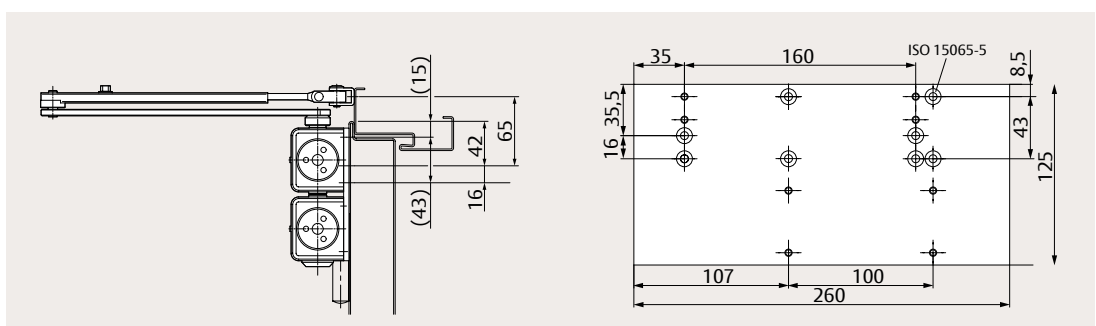


### Mounting plate leaf mounting on hinge side; in compliance with DIN EN 1154, supplement 1

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



### A121 mounting plate for door closer; in compliance with DIN EN 1154, supplement 1



## DC347

### Rack and pinion door closer with link arm for single leaf doors, size 5-7



DC347 with link arm L197, silver, EV1

The DC347 rack and pinion door closer with extra strong link arm is ideal for heavy doors. Its modern design, with a choice of finishes, is durable and blends seamlessly into any environment. With the DC347, doors open comfortably and close securely.

- Certified in compliance with EN 1154, size 5-7
- Suitable for fire and smoke protection doors
- For single leaf doors up to 1600 mm width
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894

#### Colours

- Silver, EV1
- White, similar to RAL 9016
- Brown, similar to RAL 8014
- Black, similar to RAL 9005
- Stainless steel, design & full cover
- Customized colours on request

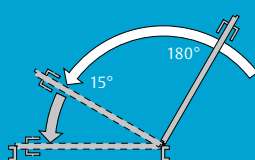
#### Features

- Can be used for left- and right-handed doors, door leaf or frame mounted
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas (not for parallel arm installation)

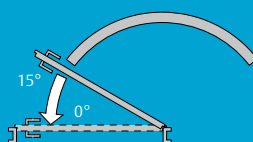
#### Link arm and accessories

- **L197** extra strong link arm
- **A126** mounting plate for door closer
- **A107** angle bracket for door closer

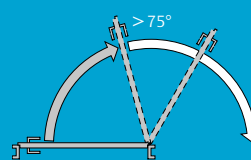
#### Independent adjustment via front-facing valves



Closing speed (C)



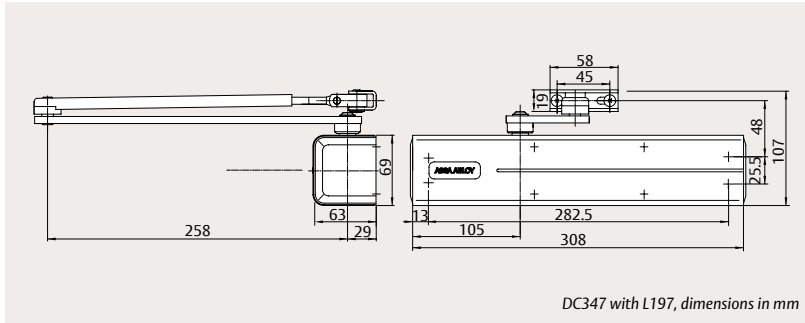
Latch speed (L)



Backcheck (B)

# DC347

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 5-7
<b>Maximum leaf width</b>	1600 mm
<b>Closing speed (C)</b>	Variable between 180° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Backcheck (B)</b>	Variable above 75°
<b>Maximum opening angle</b>	~180°
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side Frame mounting on non-hinge side
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	69 x 63 x 308 mm



Visit [assaabloy.com](https://assaabloy.com) to download all relevant product literature



### Certification and testing

<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	4   8   5-7   1   1   3
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
<b>Third-party verified EPD</b>	ISO 14025, EN 15804



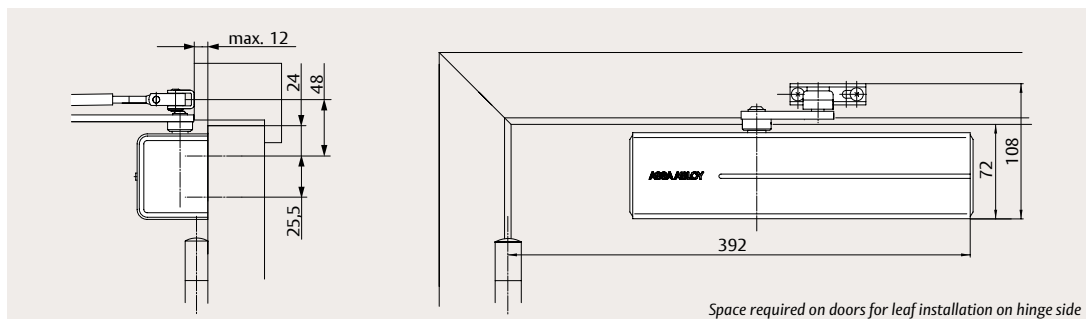


# DC347

## Space requirement and mounting dimensions



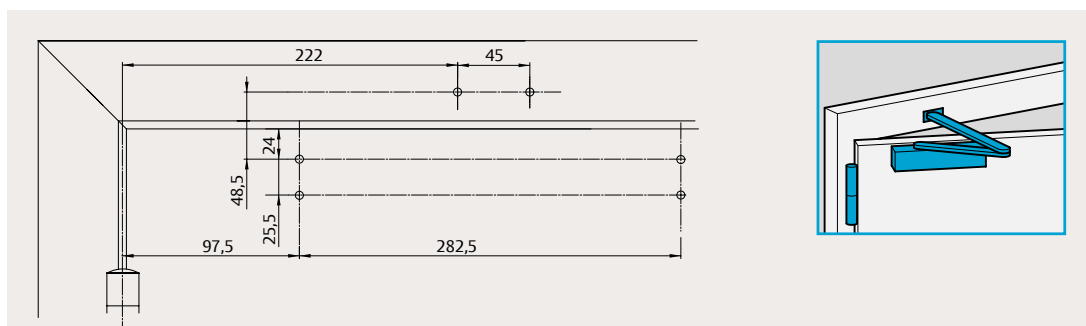
Scan the QR code to watch the installation video



Space required on doors for leaf installation on hinge side

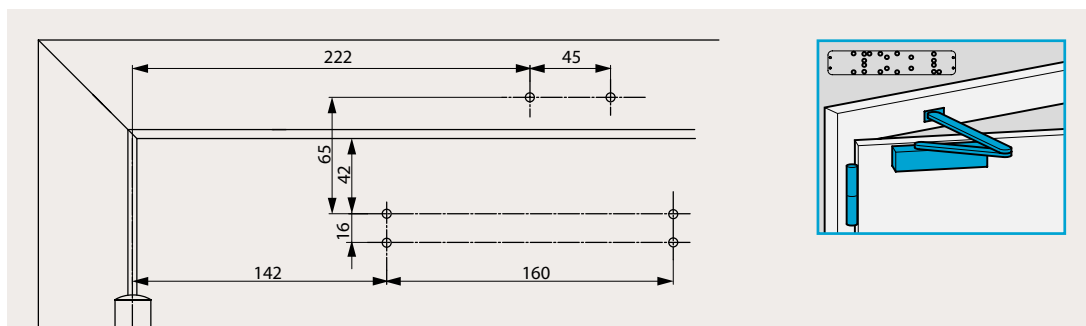
### Direct leaf mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



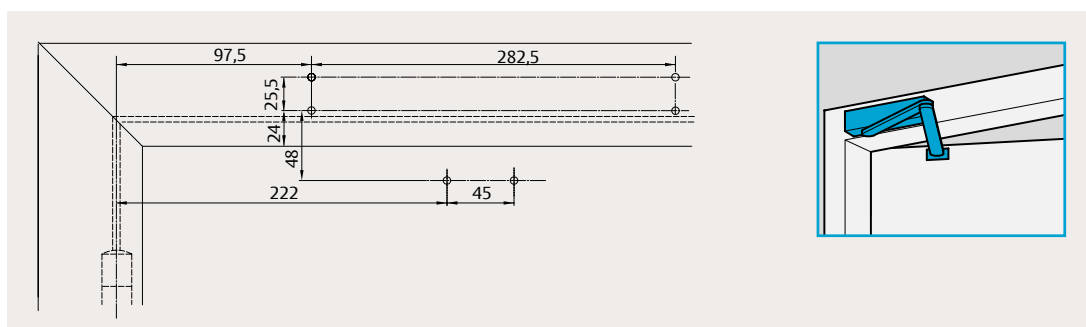
### Mounting plate leaf mounting on hinge side; in compliance with DIN EN 1154, supplement 1

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



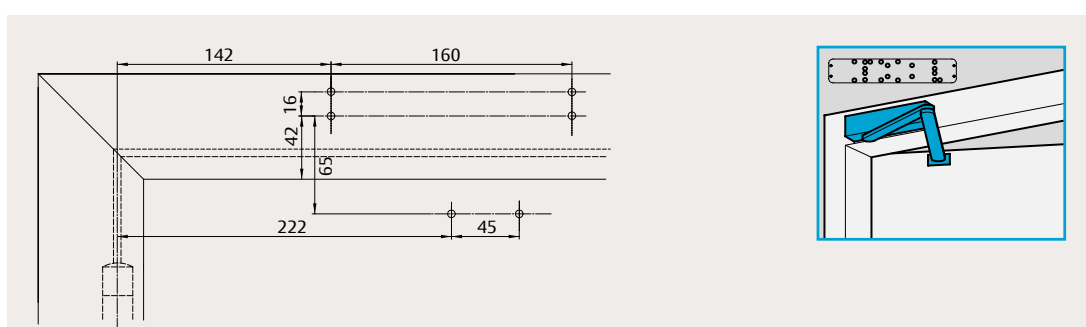
### Direct frame mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



### Mounting plate frame mounting on non-hinge side

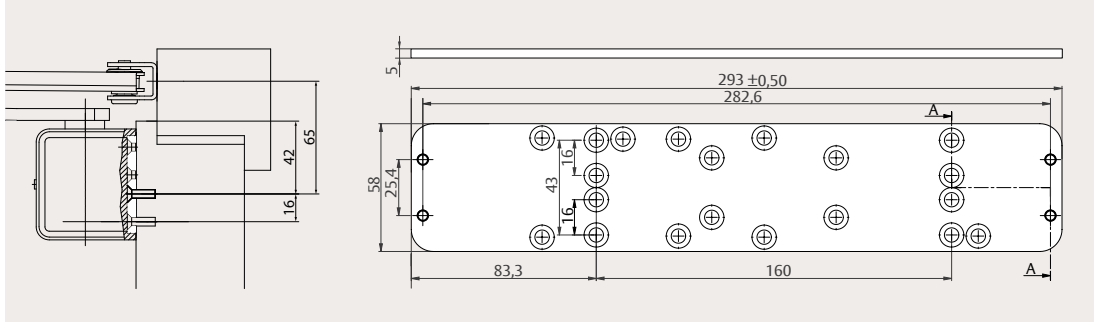
The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



# DC347

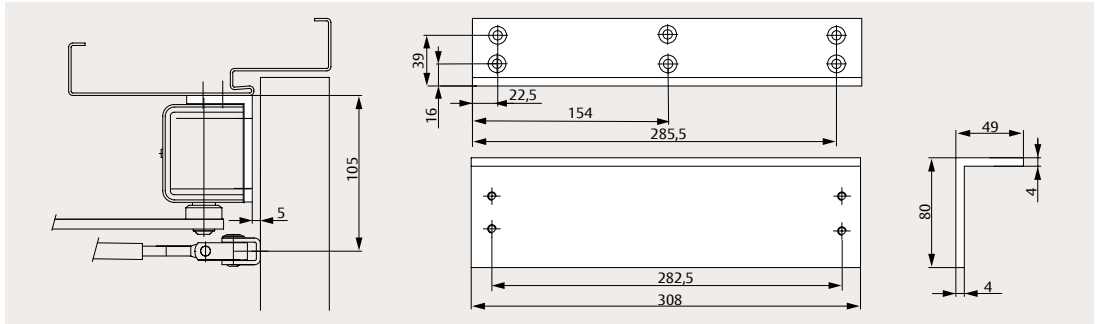
## Accessories

**A126 mounting plate**  
for door closer;  
in compliance with DIN  
EN 1154, supplement 1



**A107 angle bracket**  
for frame mounting  
on deep posts

*This installation reduces the  
headroom by 80 mm.*  
*Check suitability for use on fire  
and smoke protection doors.*



# DC347

## Order information



### Door closers

DC347, EN size 5-7, silver, EV1	DC347-----DEV1-
DC347, EN size 5-7, white, similar to RAL 9016	DC347-----D9016
DC347, EN size 5-7, brown, similar to RAL 8014	DC347-----D8014
DC347, EN size 5-7, black, similar to RAL 9005	DC347-----D9005
DC347, EN size 5-7, stainless steel design	DC347-----D35--
DC347, EN size 5-7, stainless steel, full cover	DC347-1---D35--
DC347, EN size 5-7, customized finish	DC347-----DXXXX

### Link arms

Link arm L197, silver, EV1	DCL197-----EV1-
Link arm L197, white, similar to RAL 9016	DCL197-----9016
Link arm L197, brown, similar to RAL 9005	DCL197-----8014
Link arm L197, black, similar to RAL 8014	DCL197-----9005
Link arm L197, stainless steel	DCL197-----35--
Link arm L197, customized finish	DCL197-----XXXX

### Accessories

Mounting plate A126, galvanized	DCA126-----40
Angle bracket A107, silver, EV1	DCA107-----EV1-
Angle bracket A107, customized finish	DCA107-----XXXX

DC347, silver



DC347, white



DC347, brown



DC347, black



DC347, SS design



DC347, SS full cover



L197, silver



L197, white



L197, brown



L197, black



L197, stainless steel



A126



A107



## DC340

Rack and pinion door closer with link arm or guide rail for single leaf doors, size 2-6 / 1-4



DC340 with link arm L190 and guide rail G195, silver, EV1

The DC340 rack and pinion door closer is a functional and universal solution for any door. Its modern and compact design, with a choice of finishes, is both sleek and durable and blends seamlessly into any environment. With the DC340, doors open comfortably and close securely.

- Certified in compliance with EN 1154, size 2-6 / 1-4
- Suitable for fire and smoke protection doors (not for hold-open link arm)
- For single leaf doors up to 1400 / 1100 mm width
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894 (not for guide rail)

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Brown, similar to RAL 8014
- Black, similar to RAL 9005
- Stainless steel, design & full cover
- Customized colours on request

### Features

- Can be used for left- and right-handed doors, door leaf or frame mounted
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas
- Optional delayed closing allows more time for a user to pass through the door

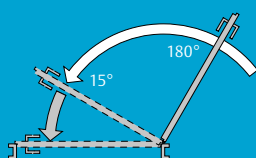
### Product variants

- **DC340DA** with delayed closing variable from 180° to 70°, adjustable from front

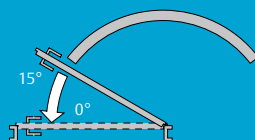
### Link arms, guide rails and accessories

- **L190** standard link arm
- **L191** hold-open link arm with adjustable hold-open angle from 75° to 120° – can be enabled and disabled (cannot be used on fire doors)
- **G195** height-adjustable guide rail (2 mm) with concealed fastening screws
- **G193** standard guide rail with visible fastening screws
- **A126** mounting plate for door closer
- **A130** mounting plate for guide rail
- **A107** angle bracket for door closer
- **A152** mechanical hold-open device with adjustable hold-open force, keeps doors open at an angle between 80° and 130° (not approved for use on fire and smoke protection doors)
- **A153** mechanical opening damper, continuously adjustable up to an opening angle of max. 130° (does not replace door stop)

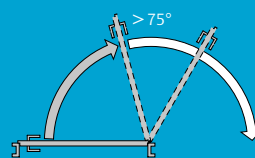
### Independent adjustment via front-facing valves



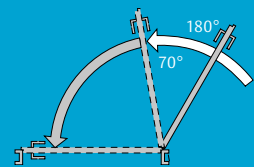
Closing speed (C)



Latch speed (L)



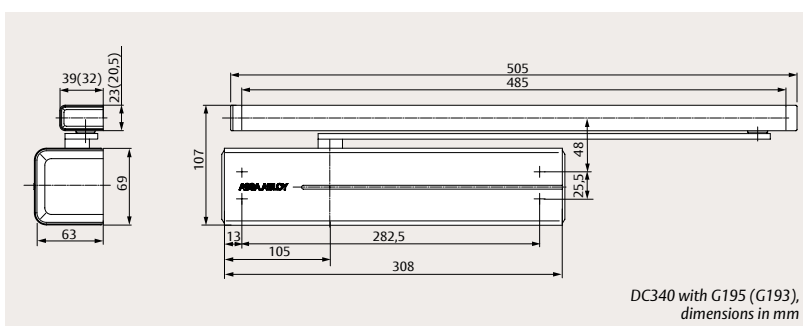
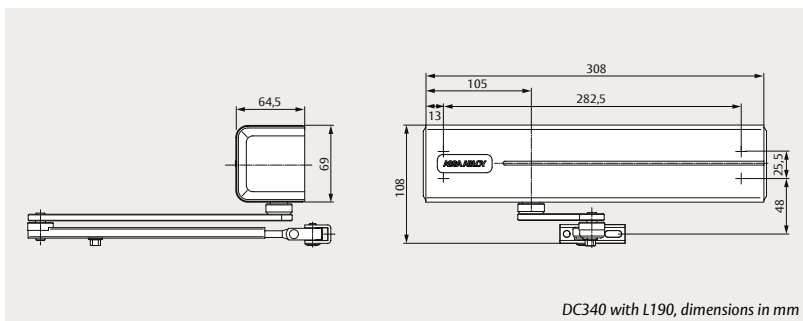
Backcheck (B)



Delayed closing (D)\*

# DC340

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 2-6 / 1-4 / 2-4 (link arm / guide rail / DC340DA guide rail)
<b>Maximum leaf width</b>	1400 / 1100 mm (link arm / guide rail)
<b>Closing speed (S)</b>	Variable between 180° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Backcheck (BC)</b>	Variable above 75°
<b>Delayed closing (DA)</b>	Variable between 180° and 70° (only for DC340DA)
<b>Maximum opening angle</b>	~180°/125° (hinge side / non-hinge side)
<b>Hold-open angle</b>	75°-120° (for L191)
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side Frame mounting on non-hinge side
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	69 x 64.5 x 308 mm



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### Certification and testing

<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	4   8   2-6   1   1   3 (DC340/DC340DA with link arm) 4   8   1-4   1   1   3 (DC340 with guide rail) 4   8   2-4   1   1   3 (DC340DA with guide rail)
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to*</b>	CEN/TR 15894 DIN 18040 (max. leaf width 1250 mm)
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

\*only for DC340/DC340DA with link arm

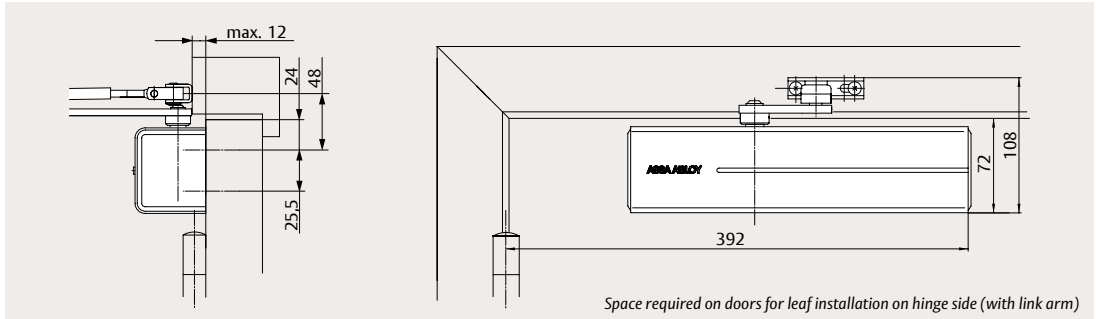


# DC340

## Space requirement and mounting dimensions

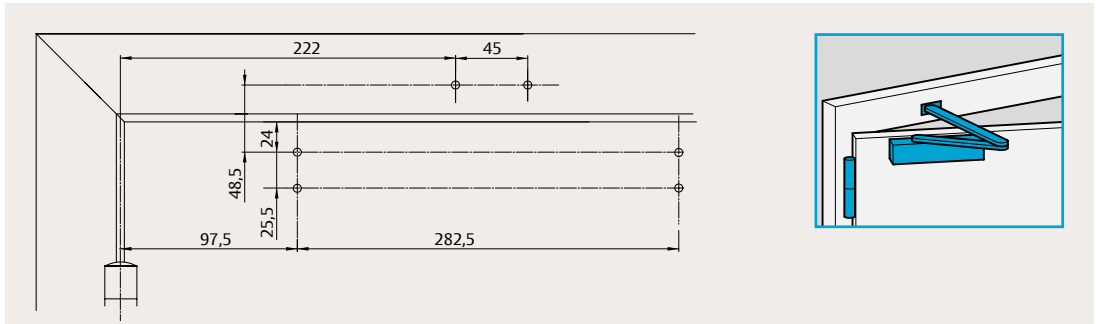


Scan the QR code to watch the installation video



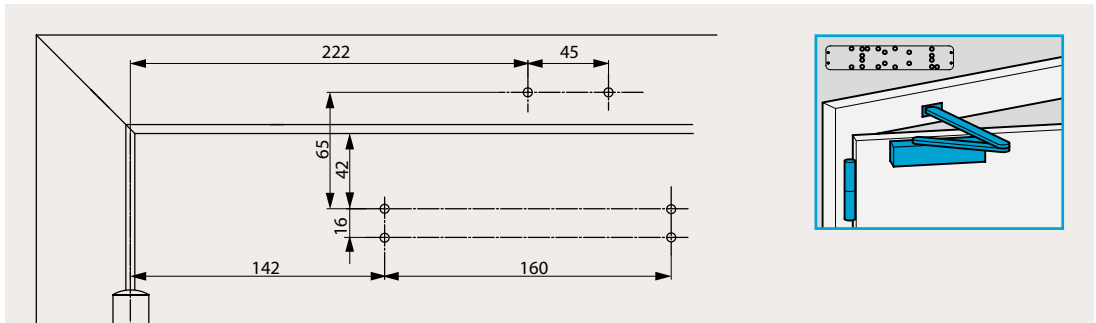
### Direct leaf mounting with link arm on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



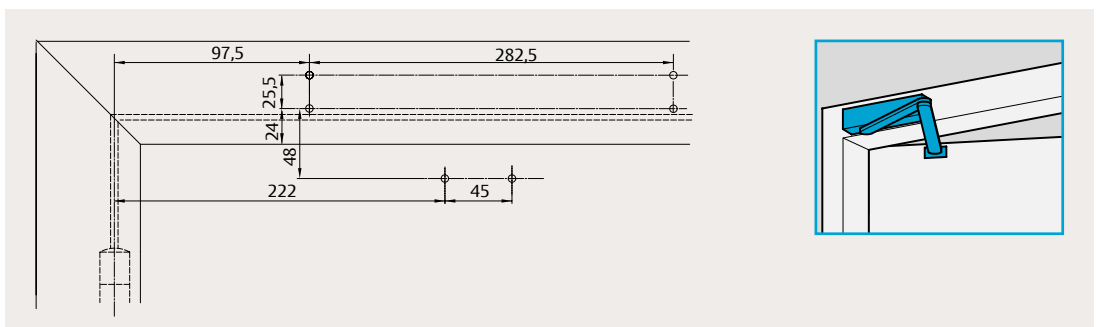
### Mounting plate leaf mounting with link arm on hinge side; in compliance with DIN EN 1154, supplement 1

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



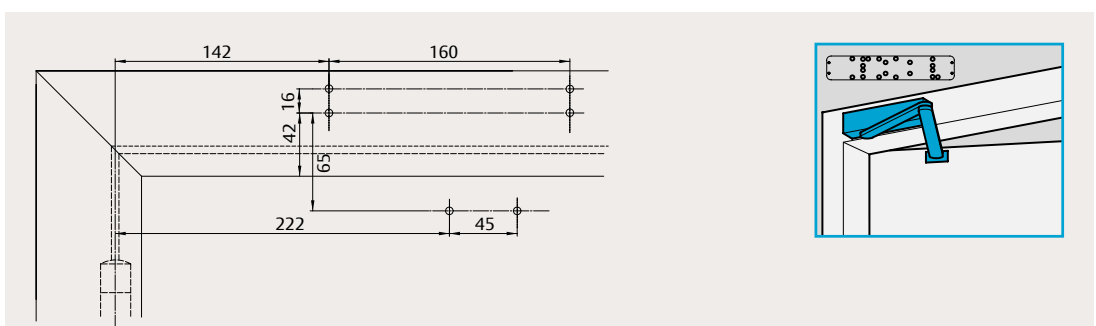
### Direct frame mounting with link arm on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



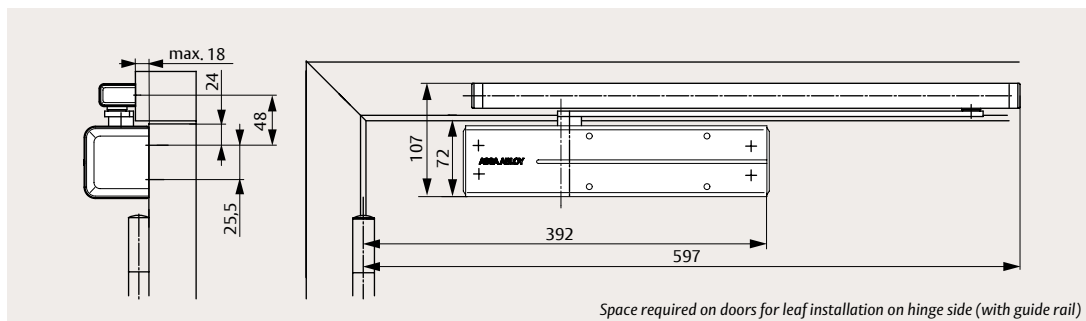
### Mounting plate frame mounting with link arm on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



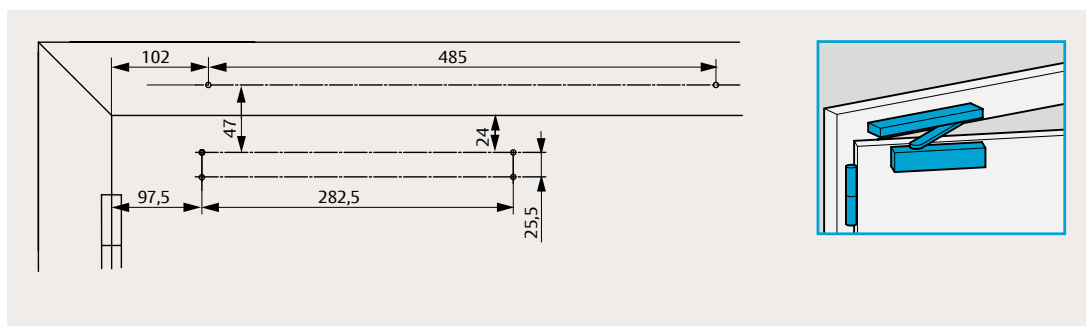
# DC340

## Space requirement and mounting dimensions



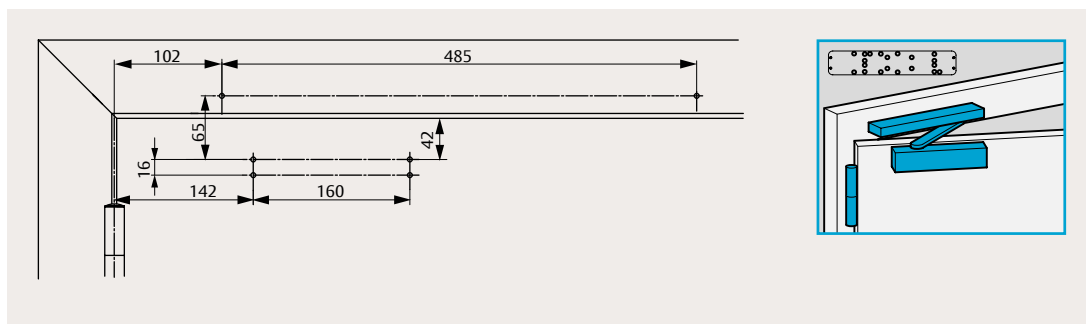
### Direct leaf mounting with guide rail on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



### Mounting plate leaf mounting with guide rail on hinge side; in compliance with DIN EN 1154, supplement 1

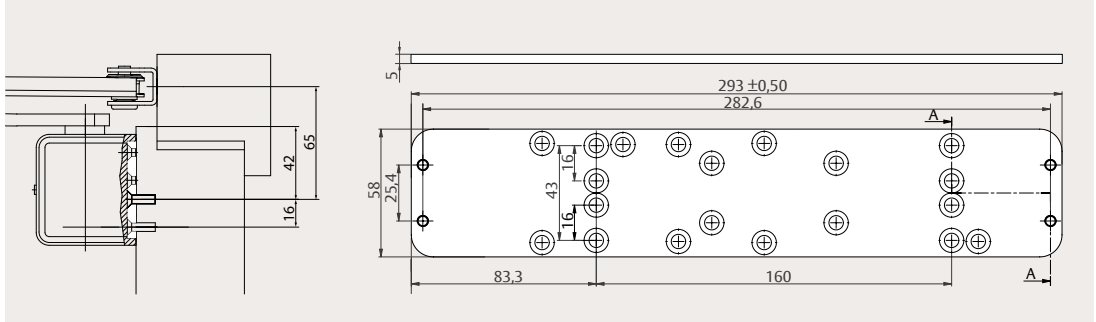
The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



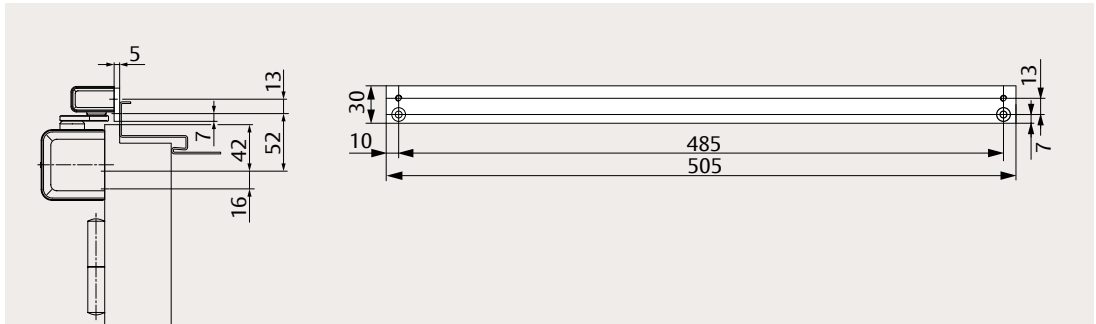
# DC340

## Accessories

**A126 mounting plate**  
for door closer;  
in compliance with DIN  
EN 1154, supplement 1

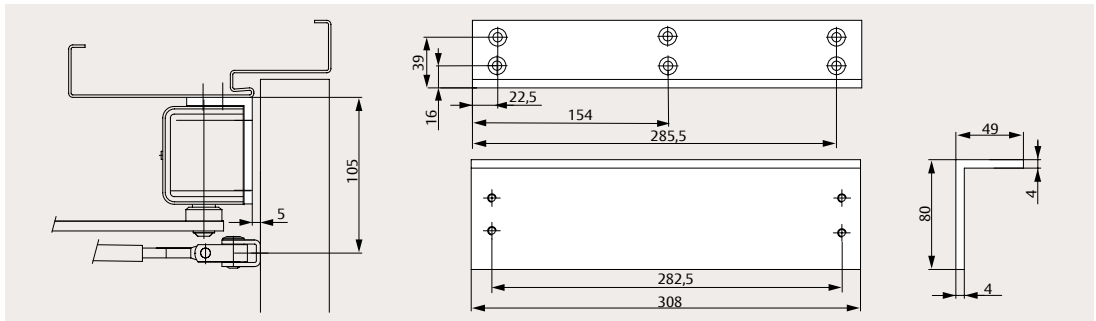


**A130 mounting plate**  
for guide rail



**A107 angle bracket**  
for frame mounting  
on deep posts

*This installation reduces the  
headroom by 80 mm.*  
*Check suitability for use on fire  
and smoke protection doors.*





# DC340

## Order information



### Note

DC340/DC340DA with  
link arm L190 = EN 2-6

DC340 with guide rail  
G193/G195 = EN 1-4

DC340DA with guide rail  
G193/G195 = EN 2-4

### Door closers

DC340, silver, EV1	DC340-----DEV1-
DC340, white, similar to RAL 9016	DC340-----D9016
DC340, brown, similar to RAL 8014	DC340-----D8014
DC340, black, similar to RAL 9005	DC340-----D9005
DC340, stainless steel design	DC340-----D35--
DC340, stainless steel full cover	DC340---1-D35--
DC340, customized finish	DC340-----DXXXX
DC340DA, silver, EV1	DC350-----DEV1-
DC340DA, white, similar to RAL 9016	DC350-----D9016
DC340DA, brown, similar to RAL 8014	DC350-----D8014
DC340DA, black, similar to RAL 9005	DC350-----D9005
DC340DA, stainless steel design	DC350-----D35--
DC340DA, stainless steel full cover	DC350-1---D35--
DC340DA, customized finish	DC350-----DXXXX

### Standard link arms

Link arm L190, silver, EV1	DCL190-----EV1-
Link arm L190, white, similar to RAL 9016	DCL190-----9016
Link arm L190, brown, similar to RAL 9005	DCL190-----8014
Link arm L190, black, similar to RAL 8014	DCL190-----9005
Link arm L190, customized finish	DCL190-----XXXX

### Hold-open link arms

Hold-open link arm L191, silver, EV1	DCL191-----EV1-
Hold-open link arm L191, white, similar to RAL 9016	DCL191-----9016
Hold-open link arm L191, brown, similar to RAL 9005	DCL191-----8014
Hold-open link arm L191, black, similar to RAL 8014	DCL191-----9005
Hold-open link arm L191, customized finish	DCL191-----XXXX

### Guide rails

Guide rail G195, silver, EV1	DCG195----DEV1-
Guide rail G195, white, similar to RAL 9016	DCG195----D9016
Guide rail G195, brown, similar to RAL 8014	DCG195----D8014
Guide rail G195, black, similar to RAL 9005	DCG195----D9005
Guide rail G195, stainless steel	DCG195----D35--
Guide rail G195, customized finish	DCG195----DXXXX
Guide rail G193, silver, EV1	DCG193-----EV1-
Guide rail G193, white, similar to RAL 9016	DCG193-----9016
Guide rail G193, brown, similar to RAL 8014	DCG193-----8014
Guide rail G193, black, similar to RAL 9005	DCG193-----9005

### Accessories

Mounting plate A126, galvanized	DCA126-----40
Angle bracket A107, silver, EV1	DCA107-----EV1-
Angle bracket A107, customized finish	DCA107-----XXXX
Mounting plate A130, silver, EV1	DCA130-----EV1-
Mounting plate A130, white, similar to RAL 9016	DCA130-----9016
Mounting plate A130, brown, similar to RAL 8014	DCA130-----8014
Mounting plate A130, black, similar to RAL 9005	DCA130-----9005
Mounting plate A130, customized finish	DCA130-----XXXX
Mechanical hold-open device A152	DCA152-----
Mechanical opening damper A153	DCA153-----

DC340, silver



DC340, white



DC340, brown



DC340, black



DC340, SS design



DC340, SS full cover



L190, silver



L190, white



L190, brown



L190, black



L191, silver



G195, silver



G193, silver



A126



A107



A130



A152

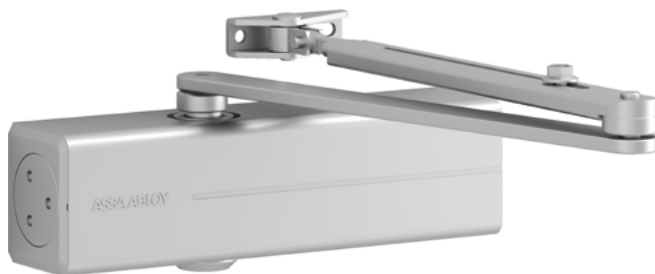


A153



## DC200

### Rack and pinion door closer with link arm for single leaf doors, size 2-4



DC200 with link arm L190, silver, EV1

The DC200 rack and pinion door closer is a functional and universal solution. Its modern and compact design, with a choice of finishes, is both sleek and durable and blends seamlessly into any environment. With the DC200, doors open comfortably and close securely.

- Certified in compliance with EN 1154, size 2-4 (size 2-3 with parallel arm)
- Suitable for fire and smoke protection doors (not for hold-open link arm)
- For single leaf doors up to 1100 mm width
- Barrier-free according to DIN 18040 and CEN/TR 15894

#### Colours

- Silver, EV1
- White, similar to RAL 9016
- Brown, similar to RAL 8014
- Black, similar to RAL 9005
- Customized colours on request

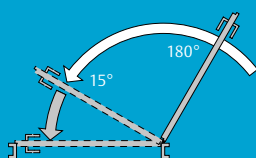
#### Features

- Can be used for left- and right-handed doors, door leaf or frame mounted
- Height-adjustable, grooved spindle (14 mm) compensates installation mistakes
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas (not for parallel arm installation)
- Simplified stock management with universal parts and adaptable solutions

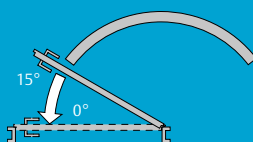
#### Link arms and accessories

- **L190** standard link arm
- **L191** hold-open link arm with adjustable hold-open angle from 75° to 120° – can be enabled and disabled (cannot be used on fire doors)
- **A120** mounting plate for door closer
- **A122** angle bracket for door closer
- **A154** parallel arm bracket for parallel arm installation (does not provide full closing force)
- **A164** glass door shoe for mounting the door closer on a solid glass door
- **A168** mounting plate for link arm
- **A172** stainless steel full cover

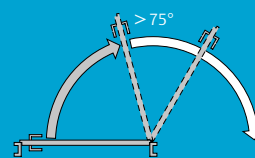
#### Independent adjustment via front-facing valves



Closing speed (S)



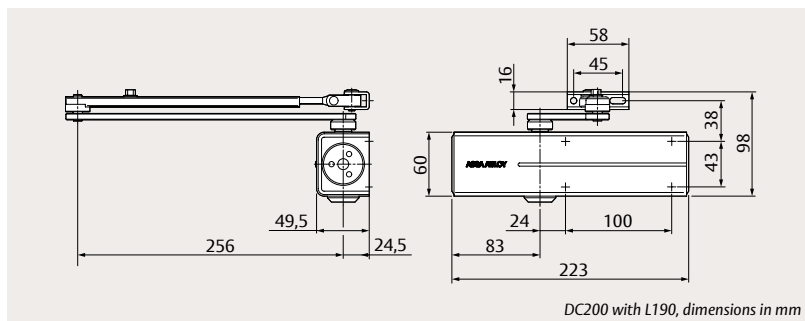
Latch speed (L)



Backcheck (BC)

# DC200

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 2-4 (parallel arm EN size 2-3)
<b>Maximum leaf width</b>	1100 mm
<b>Closing speed (S)</b>	Variable between 180° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Backcheck (BC)</b>	Variable above 75°
<b>Maximum opening angle</b>	~180°
<b>Hold-open angle</b>	75°-120° (for L191)
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side (non-hinge side with parallel arm) Frame mounting on non-hinge side
<b>Force adjustment</b>	Yes
<b>Height adjustment</b>	Yes
<b>Corrosion resistance</b>	Grade 4 (240 hours)
<b>Dimensions (H x D x L)</b>	60 x 50 x 223 mm



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### Certification and testing

<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	4   8   2-4   1   1   4
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

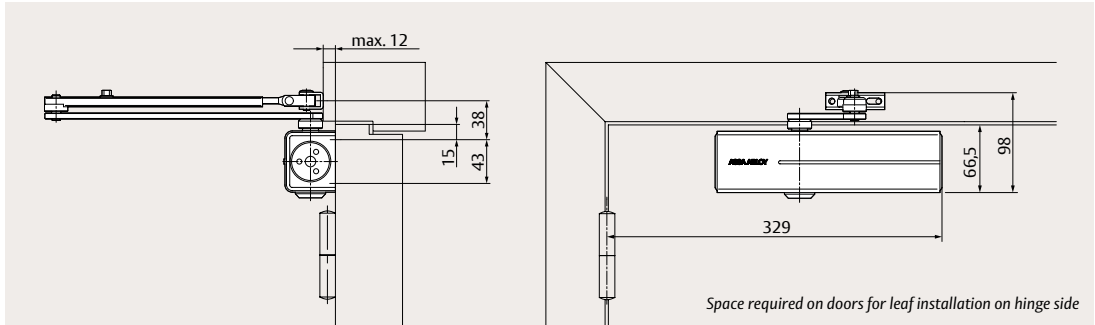


# DC200

## Space requirement and mounting dimensions

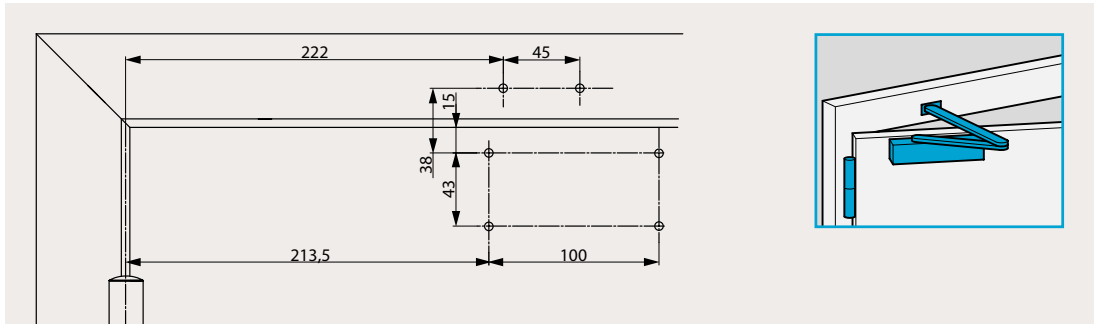


Scan the QR code to watch the installation video



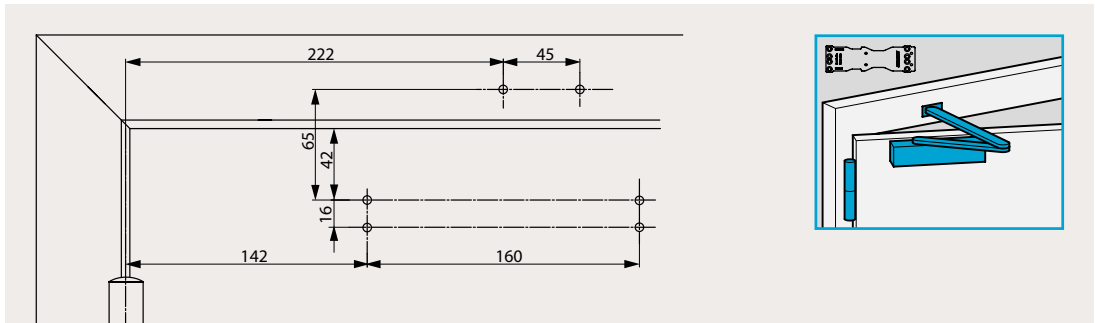
### Direct leaf mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



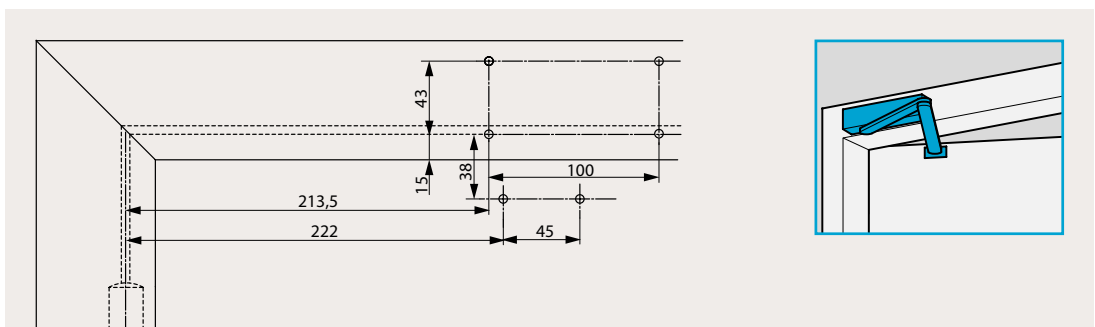
### Mounting plate leaf mounting on hinge side; in compliance with DIN EN 1154, supplement 1

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



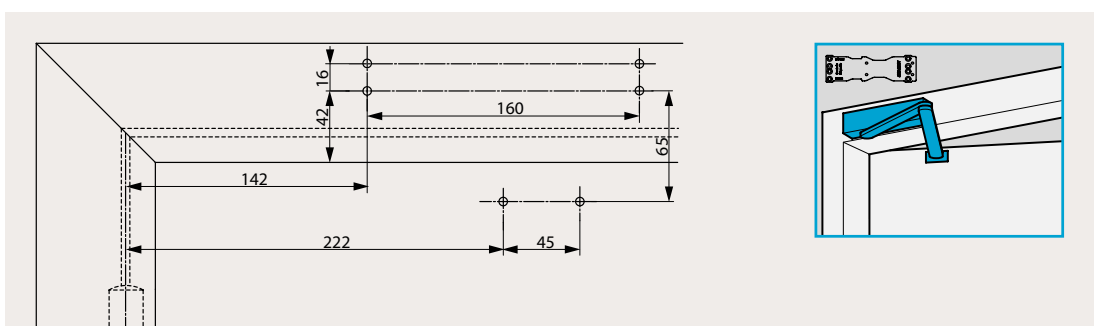
### Direct frame mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



### Mounting plate frame mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



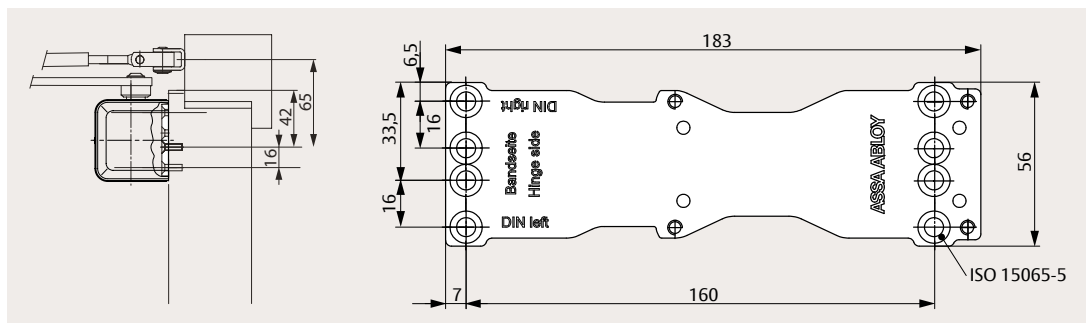
# DC200

## Accessories

The full list of accessories is available under order information.

### A120 mounting plate

for door closer;  
in compliance with DIN  
EN 1154, supplement 1

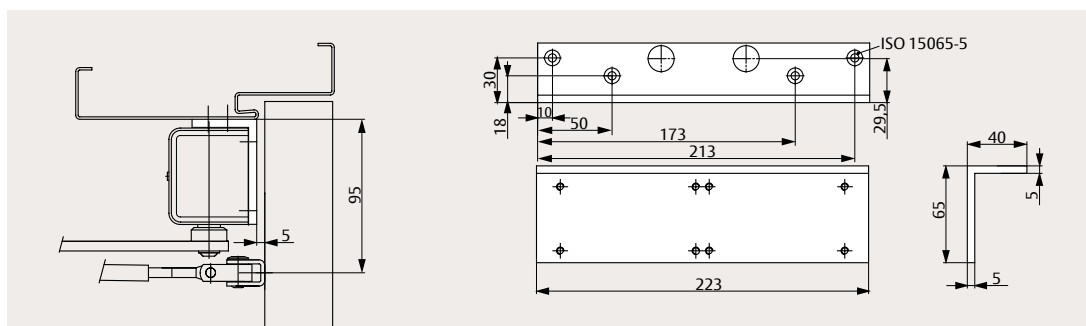


### A122 angle bracket

for frame mounting  
on deep posts

*This installation reduces the  
headroom by 70 mm.*

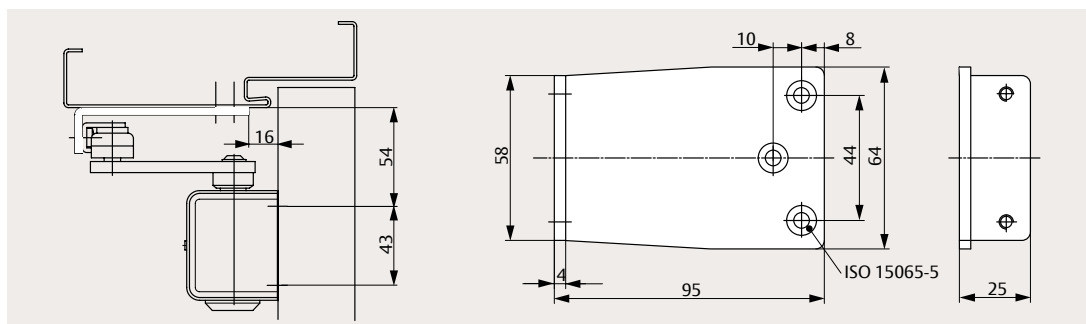
*Check suitability for use on fire  
and smoke protection doors.*



### A154 parallel arm bracket

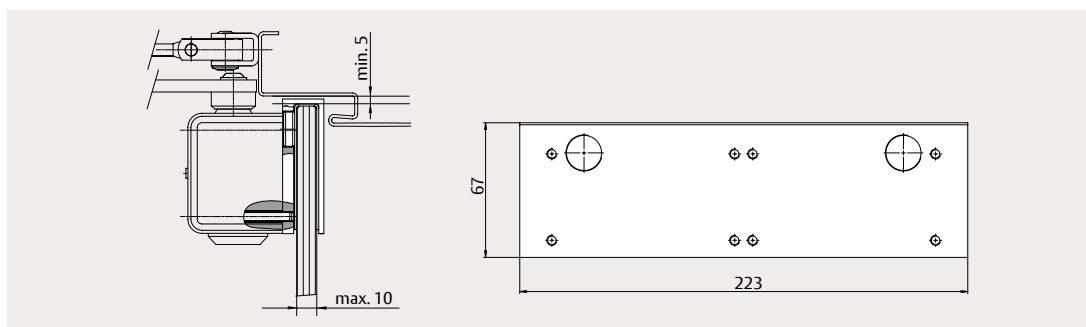
for parallel arm  
mounting

*Check suitability for use on fire  
and smoke protection doors.*



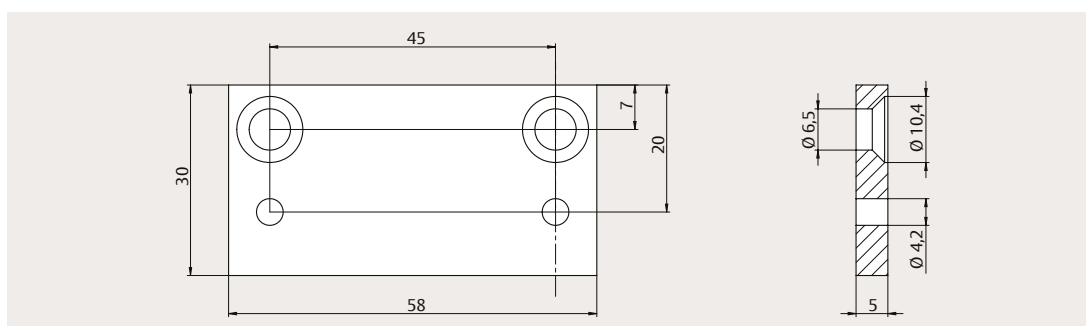
### A164 glass door shoe

for mounting door closer  
on solid glass door



### A168 mounting plate

for link arm narrow  
frame mounting



# DC200

## Order information



### Door closers

DC200, EN size 2-4, silver, EV1	DC200-----DEV1-
DC200, EN size 2-4, white, similar to RAL 9016	DC200-----D9016
DC200, EN size 2-4, brown, similar to RAL 8014	DC200-----D8014
DC200, EN size 2-4, black, similar to RAL 9005	DC200-----D9005
DC200, EN size 2-4, customized finish	DC200-----DXXXX

DC200, silver



DC200, white



DC200, brown



DC200, black



L190, silver



L190, white



L190, brown



L190, black



L191, silver



A120



A122



A154, silver



A154, white



A154, brown



A154, black



A168



A172



### Standard link arms

Link arm L190, silver, EV1	DCL190-----EV1-
Link arm L190, white, similar to RAL 9016	DCL190-----9016
Link arm L190, brown, similar to RAL 9005	DCL190-----8014
Link arm L190, black, similar to RAL 8014	DCL190-----9005
Link arm L190, stainless steel	DCL190-----35--
Link arm L190, customized finish	DCL190-----XXXX

### Hold-open link arms

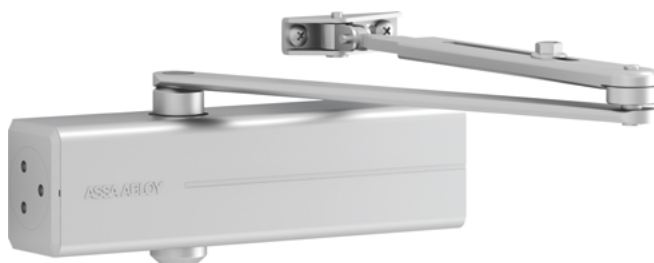
Hold-open link arm L191, silver, EV1	DCL191-----EV1-
Hold-open link arm L191, white, similar to RAL 9016	DCL191-----9016
Hold-open link arm L191, brown, similar to RAL 9005	DCL191-----8014
Hold-open link arm L191, black, similar to RAL 8014	DCL191-----9005
Hold-open link arm L191, customized finish	DCL191-----XXXX

### Accessories

Mounting plate A120, galvanized	DCA120-----40
Angle bracket A122, silver, EV1	DCA122-----EV1-
Angle bracket A122, white, similar to RAL 9016	DCA122-----9016
Angle bracket A122, brown, similar to RAL 8014	DCA122-----8014
Angle bracket A122, black, similar to RAL 9005	DCA122-----9005
Angle bracket A122, customized finish	DCA122-----XXXX
Parallel arm bracket A154, silver, EV1	DCA154-----EV1-
Parallel arm bracket A154, white, similar to RAL 9016	DCA154-----9016
Parallel arm bracket A154, brown, similar to RAL 8014	DCA154-----8014
Parallel arm bracket A154, black, similar to RAL 9005	DCA154-----35--
Parallel arm bracket A154, stainless steel	DCA154-----9005
Parallel arm bracket A154, customized finish	DCA154-----XXXX
Glass door shoe A164, silver, EV1	DCA164-----EV1-
Mounting plate A168, for link arm, silver, EV1	DCA168-----EV1-
Stainless steel full cover A172	DCA172-----35--

## DC140

Rack and pinion door closer with link arm or guide rail – for single leaf doors, size 2/3/4/5



DC140 with link arm L140, silver, EV1

The DC140 is an economical and compact rack and pinion door closer. With its modern design and choice of finishes, it blends seamlessly into any environment. With the DC140, doors open comfortably and close securely.

- Certified in compliance with EN 1154, size 2/3/4/5 (size 3 with parallel arm)
- Suitable for fire and smoke protection doors (not for hold-open link arm and guide rail)
- For single leaf doors up to 1250 mm width
- Barrier-free according to DIN 18040 and CEN/TR 15894

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Brown, similar to RAL 8014
- Black, similar to RAL 9005

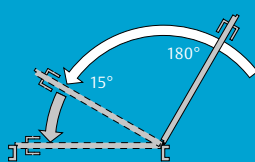
### Features

- Can be used for left- and right-handed doors
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas (not for parallel arm installation)
- Simplified stock management with universal parts and adaptable solutions

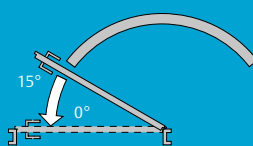
### Link arms, guide rails and accessories

- **L140** standard link arm
- **L141** hold-open link arm with adjustable hold-open angle from 75° to 120° (cannot be used on fire doors)
- **G143** guide rail (cannot be used on fire doors)
- **A161** mounting plate for door closer
- **A168** mounting plate for link arm
- **A154** parallel arm bracket for parallel arm installation (does not provide full closing force)

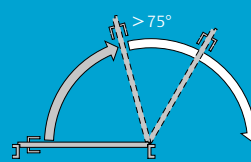
### Independent adjustment via front-facing valves



Closing speed (S)



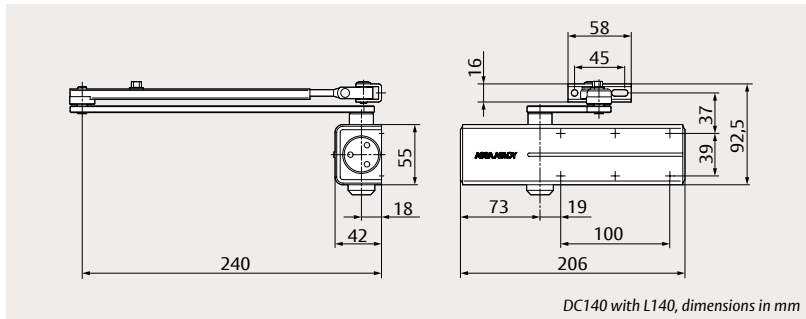
Latch speed (L)



Backcheck (BC)

# DC140

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 2/3/4/5 (guide rail EN size 2, parallel arm EN size 3)
<b>Maximum leaf width</b>	1250 mm
<b>Closing speed (S)</b>	Variable between 180° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Backcheck (BC)</b>	Variable above 75°
<b>Maximum opening angle</b>	~180° (125° for EN size 5)
<b>Hold-open angle</b>	75°–120° (for L141)
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side (non-hinge side with parallel arm) Frame mounting on non-hinge side
<b>Force adjustment</b>	No
<b>Height adjustment</b>	No
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	55 x 43 x 206 mm



Visit [assaabloy.com](http://assaabloy.com) to download all relevant product literature



### Certification and testing

<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	4   8   2/3/4   1   1   3 3   8   5   1   1   3
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes (≥EN3)
<b>Barrier-free according to</b>	CEN/TR 15894 DIN 18040
<b>Third-party verified EPD</b>	ISO 14025, EN 15804



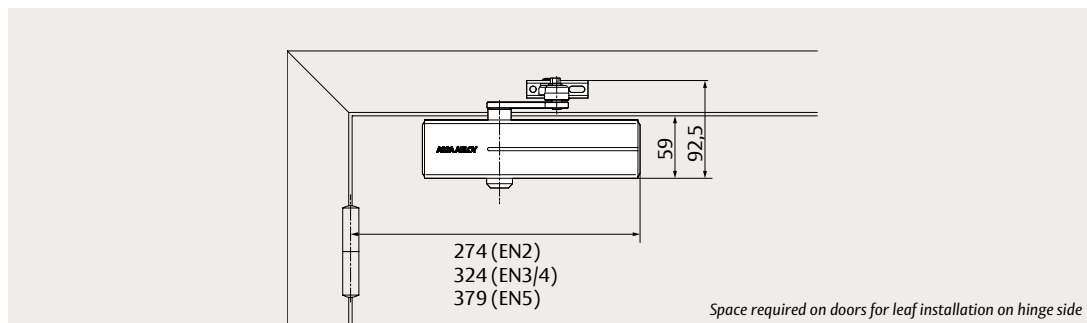


# DC140

## Space requirement and mounting dimensions

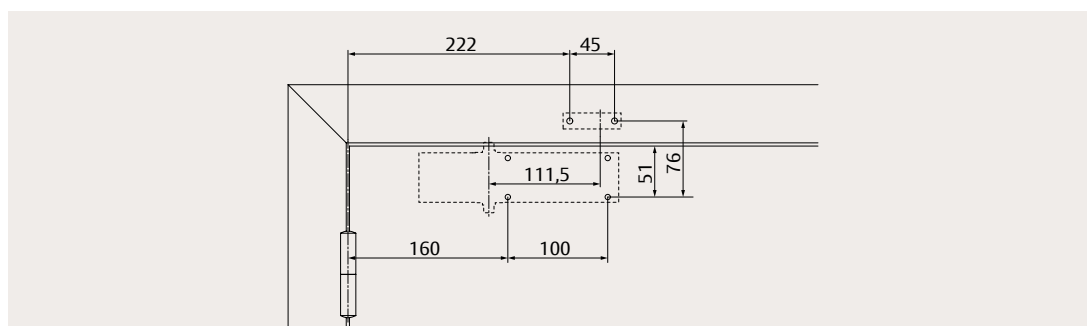


Scan the QR code to watch the installation video



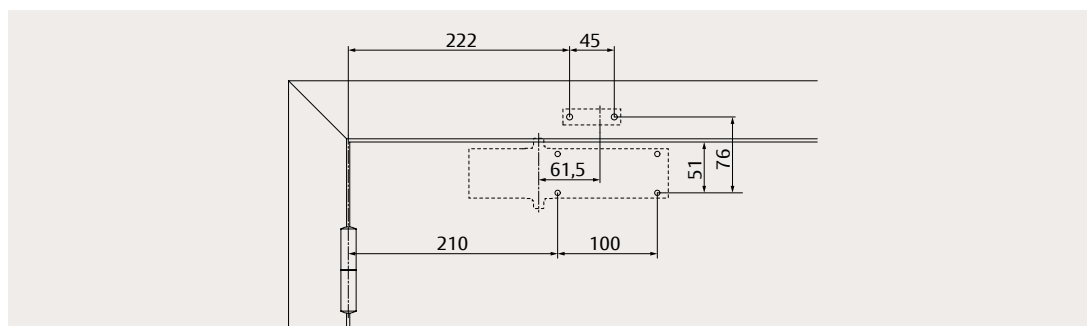
### Direct leaf mounting with link arm EN size 2 on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



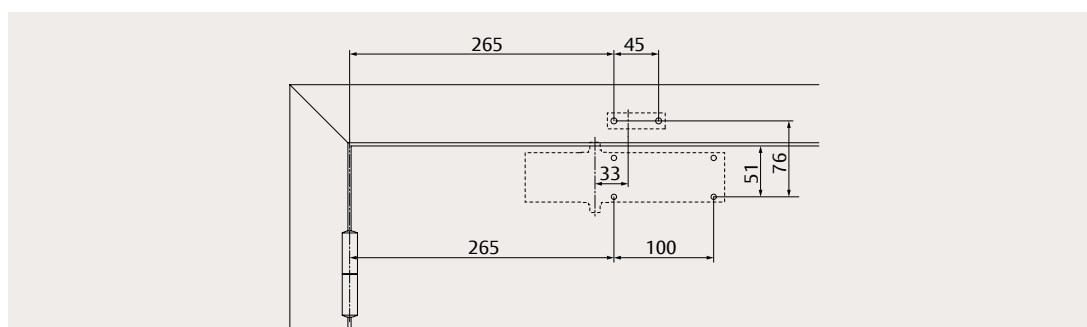
### Direct leaf mounting with link arm EN size 3/4 on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



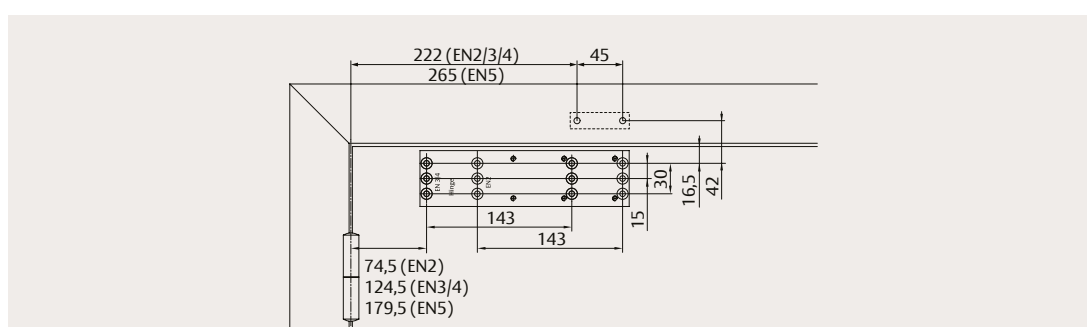
### Direct leaf mounting with link arm EN size 5 on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



### Mounting plate leaf mounting with link arm EN size 2/3/4/5 on hinge side

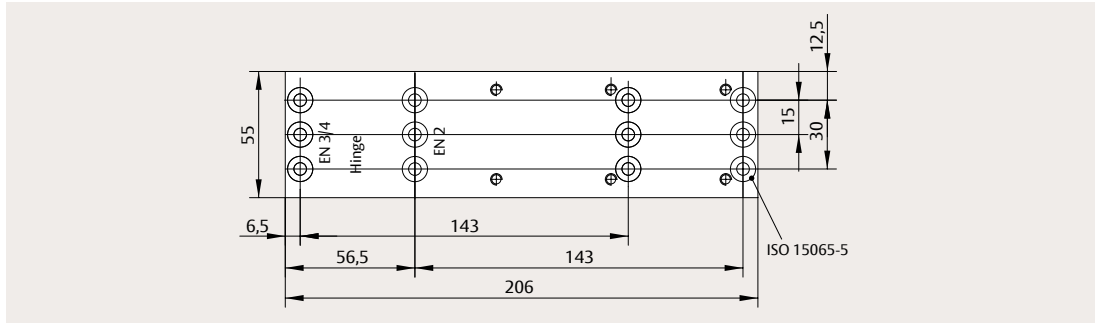
The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



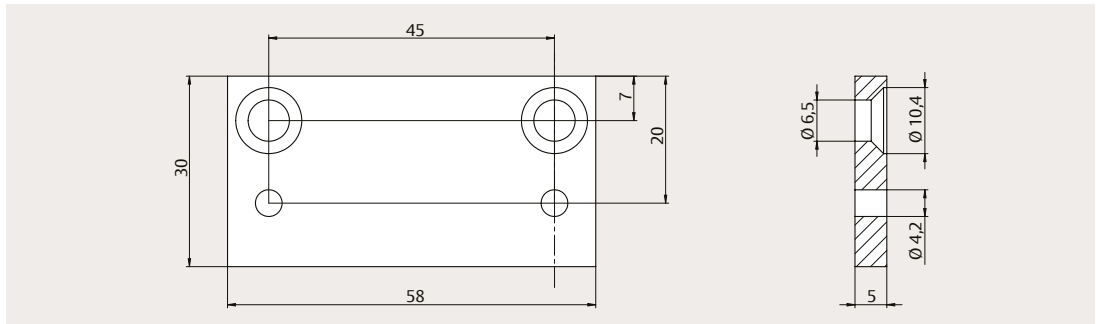
# DC140

## Accessories

**A161 mounting plate**  
for door closer

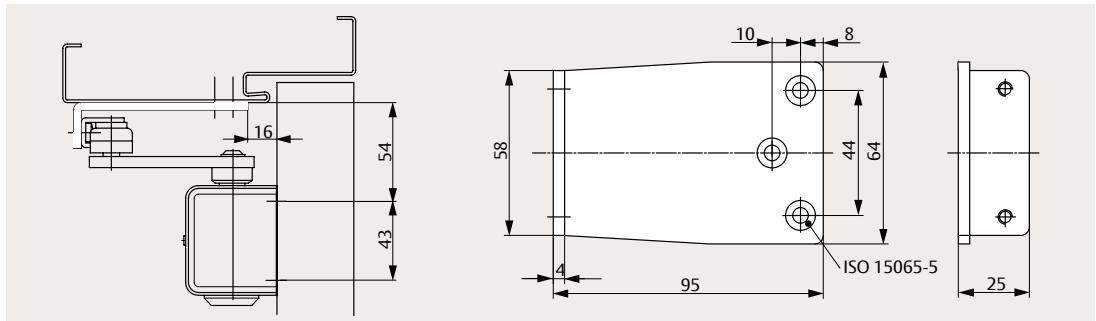


**A168 mounting plate**  
for link arm narrow  
frame mounting



**A154 parallel arm  
bracket**  
for parallel arm  
mounting

*Check suitability for use on fire  
and smoke protection doors.*



# DC140

## Order information



### Door closers

DC140, EN size 2/3/4/5, silver, EV1	DC140-----DEV1-
DC140, EN size 2/3/4/5, white, similar to RAL 9016	DC140-----D9016
DC140, EN size 2/3/4/5, brown, similar to RAL 8014	DC140-----D8014
DC140, EN size 2/3/4/5, black, similar to RAL 9005	DC140-----D9005
DC140 body, EN size 2/3/4/5, silver, EV1	DC140-0---DEV1-
DC140 body, EN size 2/3/4/5, white, similar to RAL 9016	DC140-0---D9016
DC140 body, EN size 2/3/4/5, brown, similar to RAL 8014	DC140-0---D8014
DC140 body, EN size 2/3/4/5, black, similar to RAL 9005	DC140-0---D9005

### Standard link arms

Link arm L140, silver, EV1	DCL140-----EV1-
Link arm L140, white, similar to RAL 9016	DCL140-----9016
Link arm L140, brown, similar to RAL 9005	DCL140-----8014
Link arm L140, black, similar to RAL 8014	DCL140-----9005

### Hold-open link arms

Hold-open link arm L141, silver, EV1	DCL141-----EV1-
Hold-open link arm L141, white, similar to RAL 9016	DCL141-----9016
Hold-open link arm L141, brown, similar to RAL 9005	DCL141-----8014
Hold-open link arm L141, black, similar to RAL 8014	DCL141-----9005

### Guide rails

Guide rail G143, silver, EV1	DCG143-----EV1-
Guide rail G143, white, similar to RAL 9016	DCG143-----9016
Guide rail G143, brown, similar to RAL 8014	DCG143-----8014
Guide rail G143, black, similar to RAL 9005	DCG143-----9005

### Accessories

Parallel arm bracket A154, silver, EV1	DCA154-----EV1-
Parallel arm bracket A154, white, similar to RAL 9016	DCA154-----9016
Parallel arm bracket A154, brown, similar to RAL 8014	DCA154-----8014
Parallel arm bracket A154, black, similar to RAL 9005	DCA154-----35--
Mounting plate A161, silver, EV1	DCA161-----EV1-
Mounting plate A161, white, similar to RAL 9016	DCA161-----9016
Mounting plate A161, brown, similar to RAL 8014	DCA161-----8014
Mounting plate A161, black, similar to RAL 9005	DCA161-----35--
Mounting plate A168, for link arm, silver, EV1	DCA168-----EV1-

DC140, silver



DC140, white



DC140, brown



DC140, black



L140, silver



L140, white



L140, brown



L140, black



L141, silver



G143, silver



A154, silver



A161, silver



A168, silver



## DC135

Rack and pinion door closer with guide rail  
for single leaf doors, size 3



DC135, silver, EV1

The DC135 is an economical and compact rack and pinion door closer with guide rail. With its modern design and choice of finishes, it blends seamlessly into any environment. The DC135 comes complete with body and guide rail.

- Certified in compliance with EN 1154, size 3
- Suitable for fire and smoke protection doors
- For single leaf doors up to 950 mm width

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Brown, similar to RAL 8014
- Black, similar to RAL 9005

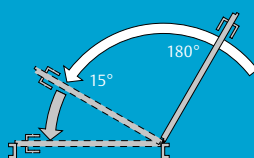
### Features

- Can be used for left- and right-handed doors
- Closing and latch speeds can be raised and lowered independently
- Durable, front-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas

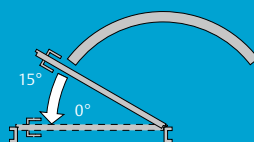
### Accessories

- **A187** mounting plate for door closer
- **A130** mounting plate for guide rail
- **A152** mechanical hold-open device with adjustable hold-open force, keeps doors open at an angle between 80° and 130° (not approved for use on fire and smoke protection doors)
- **A153** mechanical opening damper, continuously adjustable up to an opening angle of max. 130° (does not replace door stop)

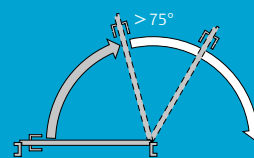
### Independent adjustment via front-facing valves



Closing speed (S)



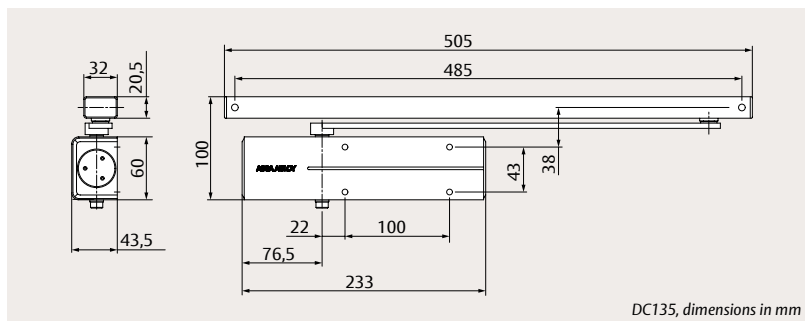
Latch speed (L)



Backcheck (BC)

# DC135

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 3
<b>Maximum leaf width</b>	950 mm
<b>Closing speed (S)</b>	Variable between 180° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Backcheck (BC)</b>	Variable above 75°
<b>Maximum opening angle</b>	~180°
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side Frame mounting on non-hinge side
<b>Force adjustment</b>	No
<b>Height adjustment</b>	No
<b>Corrosion resistance</b>	Grade 4 (240 hours)
<b>Dimensions (H x D x L)</b>	60 x 44 x 233 mm



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### Certification and testing

<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	4   8   3   1   1   4
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

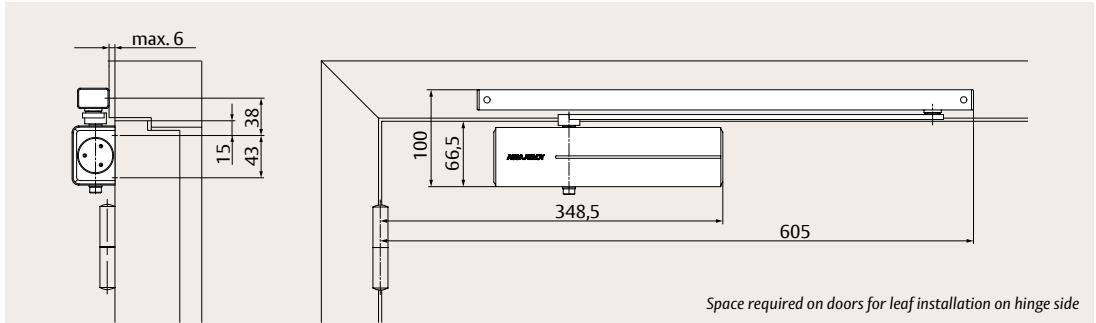


# DC135

## Space requirement and mounting dimensions

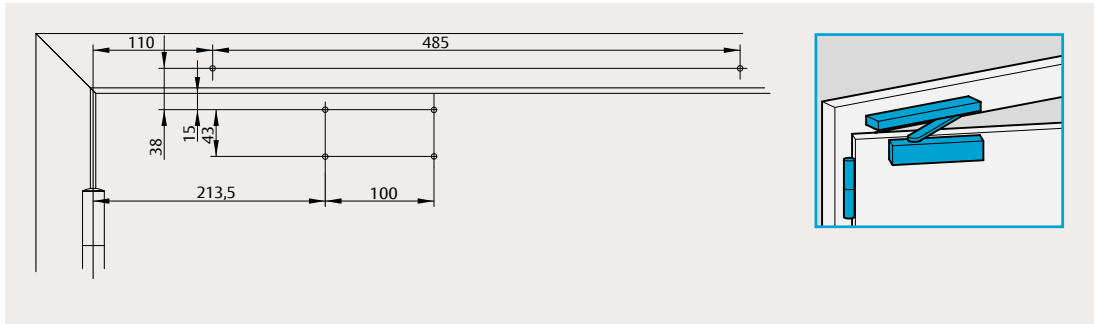


Scan the QR code to watch the installation video



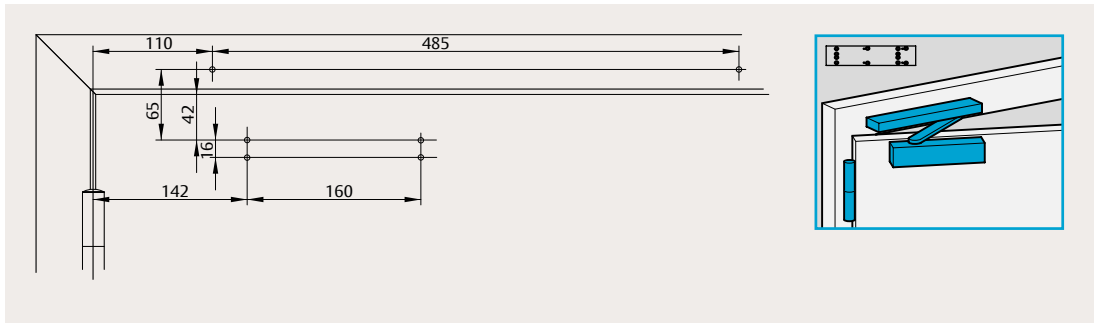
### Direct leaf mounting on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



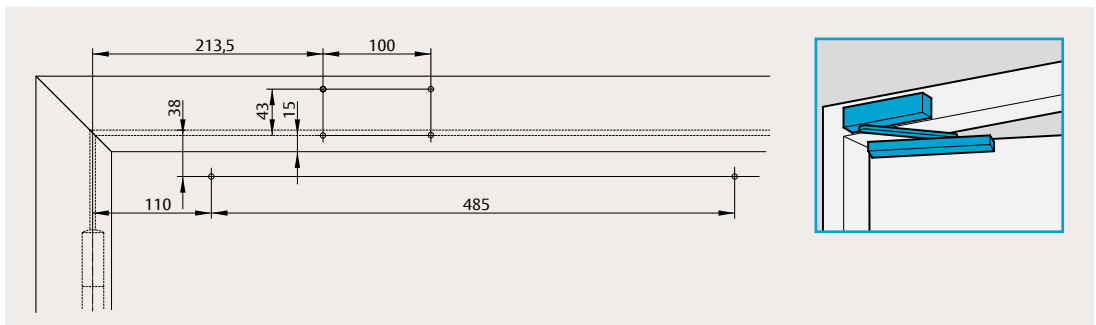
### Mounting plate leaf mounting on hinge side; in compliance with DIN EN 1154, supplement 1

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



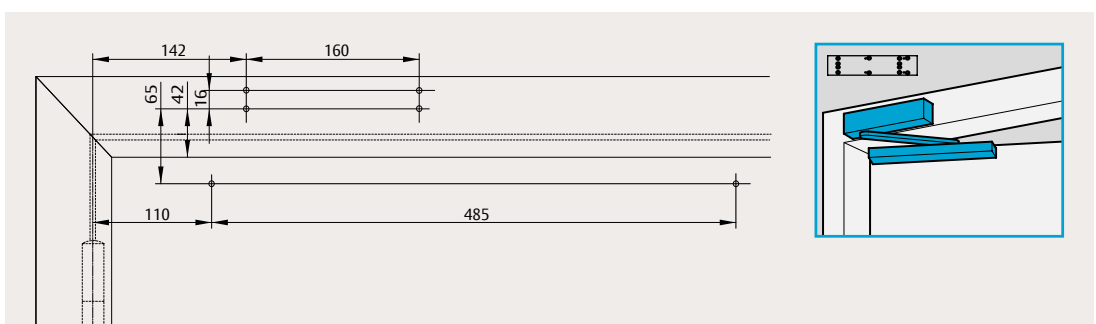
### Direct frame mounting on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



### Mounting plate frame mounting on non-hinge side

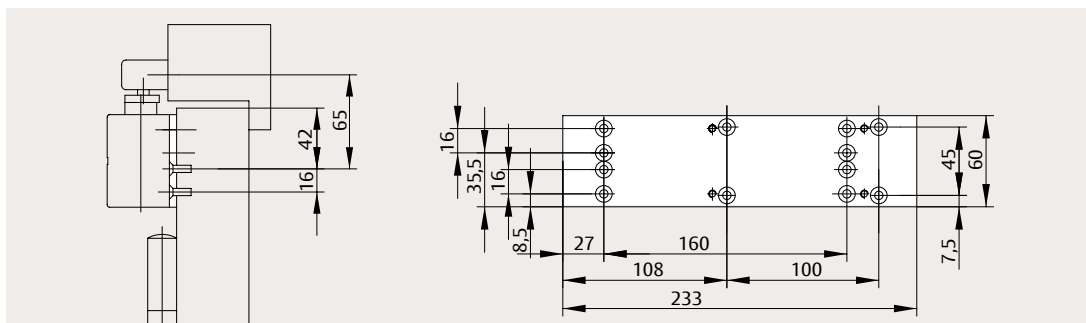
The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



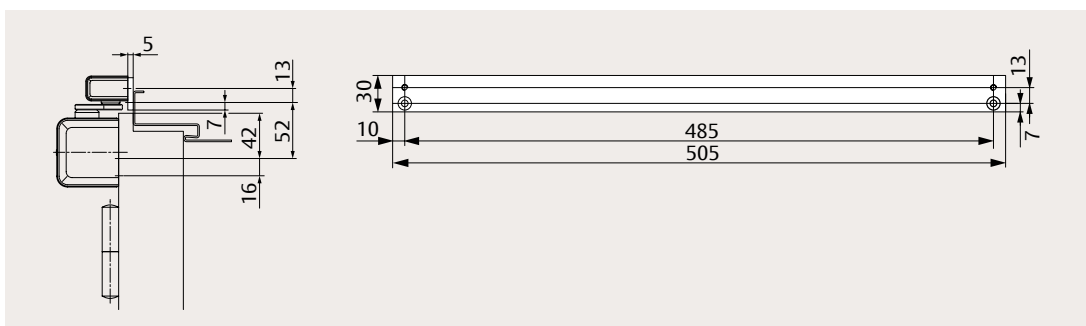
# DC135

## Accessories and order information

### A187 mounting plate for door closer



### A130 mounting plate for guide rail



#### Door closers

DC135, EN size 3, silver, EV1	DC135-----DEV1-
DC135, EN size 3, white, similar to RAL 9016	DC135-----D9016
DC135, EN size 3, brown, similar to RAL 8014	DC135-----D8014
DC135, EN size 3, black, similar to RAL 9005	DC135-----D9005

#### Accessories

Mounting plate A187, silver, EV1	DCA187-----EV1-
Mounting plate A187, white, similar to RAL 9016	DCA187-----9016
Mounting plate A187, brown, similar to RAL 8014	DCA187-----8014
Mounting plate A187, black, similar to RAL 9005	DCA187-----9005
Mounting plate A130, silver, EV1	DCA130-----EV1-
Mounting plate A130, white, similar to RAL 9016	DCA130-----9016
Mounting plate A130, brown, similar to RAL 8014	DCA130-----8014
Mounting plate A130, black, similar to RAL 9005	DCA130-----9005
Mechanical hold-open device A152	DCA152-----
Mechanical opening damper A153	DCA153-----

#### DC135, silver



#### DC135, white



#### DC135, brown



#### DC135, black



#### A187



#### A130



#### A152



#### A153



## DC120

Rack and pinion door closer with link arm or guide rail – for single leaf doors, size 2/3/4



DC120 with standard link arm, silver, EV1

The DC120 is an economical and compact solution for a wide range of applications. It comes in ASSA ABLOY's renowned design style and is available in a variety of configurations and finishes to meet your specific requirements.

- Certified in compliance with EN 1154, size 2/3/4 (size 2 with guide rail and size 3 with parallel arm)
- Suitable for fire and smoke protection doors (not for hold-open link arm and guide rail)
- For single leaf doors up to 1100 mm width

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Black, similar to RAL 9005
- Gold, similar to RAL 1004
- Stainless steel

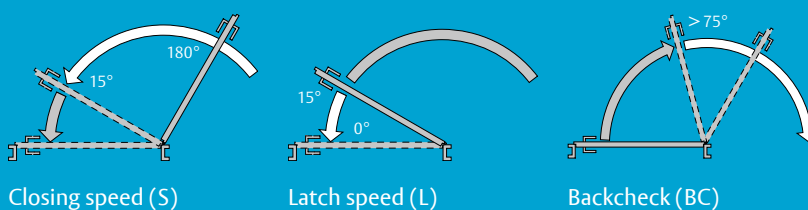
### Features

- Can be used for left- and right-handed doors
- Closing and latch speeds can be raised and lowered independently
- Durable metal valves make adjustments reliable
- Consistent performance in a wide range of temperatures
- Backcheck functionality as standard protects frame and surrounding areas
- ASSA ABLOY design painted plastic cover with reversible logo tag included

### Product variants

- Standard link arm
- Hold-open link arm (cannot be used on fire doors)
- Parallel arm (check suitability for use on fire doors)
- Guide rail (cannot be used on fire doors)

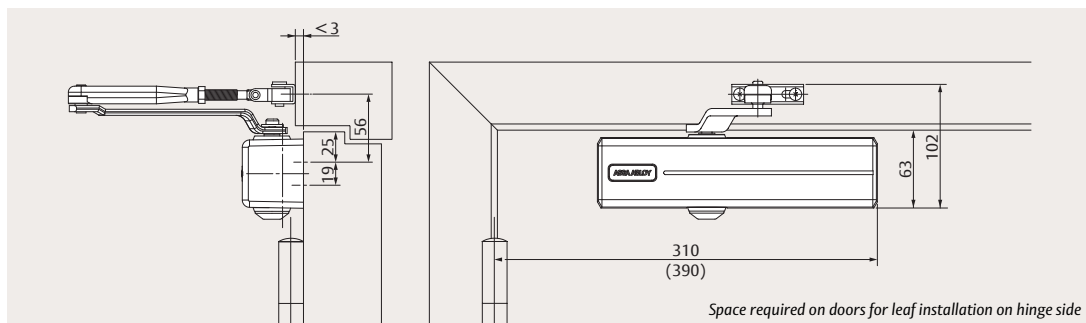
### Independent adjustment via front-facing valves





# DC120

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 2/3/4 (guide rail EN size 2, parallel arm EN size 3)
<b>Maximum leaf width</b>	1100 mm
<b>Closing speed (S)</b>	Variable between 180° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Backcheck (BC)</b>	Variable above 75°
<b>Maximum opening angle</b>	~180° (115° for EN size 4)
<b>Hold-open angle</b>	75°-120°
<b>Door system</b>	Single leaf
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Leaf mounting on hinge side (non-hinge side with parallel arm) Frame mounting on non-hinge side
<b>Force adjustment</b>	No
<b>Height adjustment</b>	No
<b>Corrosion resistance</b>	Grade 3 (96 hours)
<b>Dimensions (H x D x L)</b>	57x 50.5 x 226.5 mm (52 x 47 x 220 mm without cover)



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 download all relevant  
 product literature



### Certification and testing

<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	4   8   2/3   1   1   3 3   8   4   1   1   3
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes (≥EN3)
<b>Third-party verified EPD</b>	ISO 14025, EN 15804

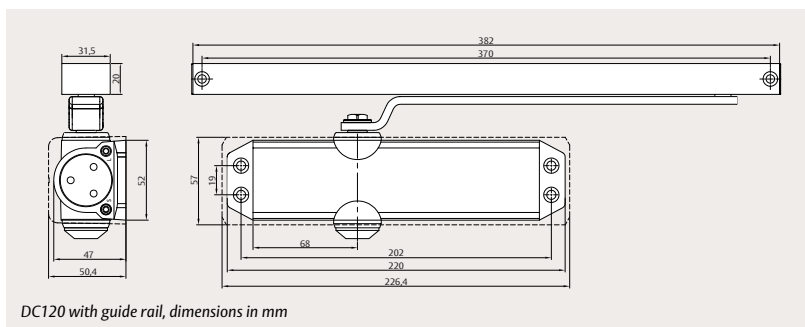
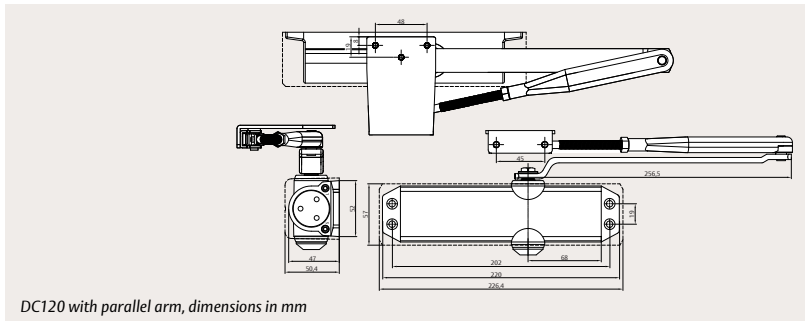
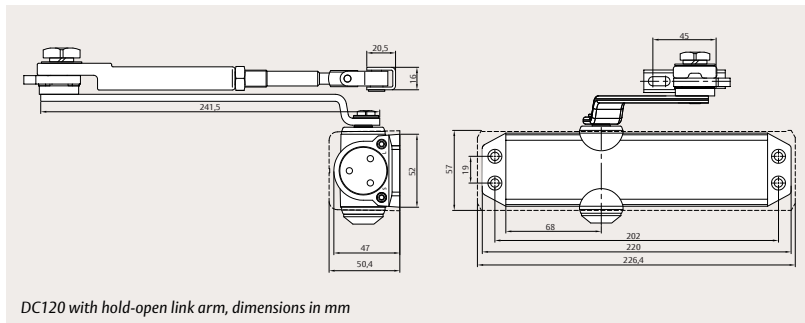
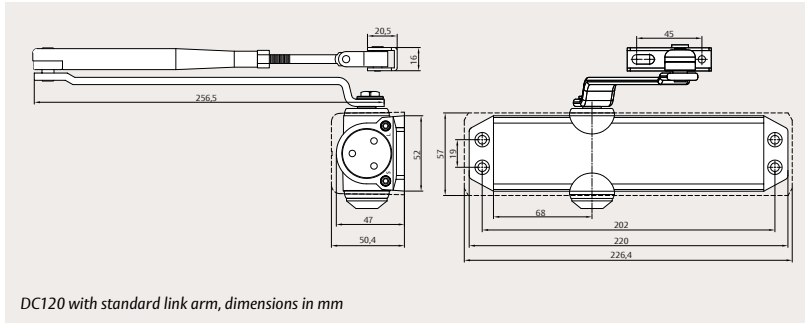


# DC120

## Product dimensions



Scan QR code to  
watch installation  
video

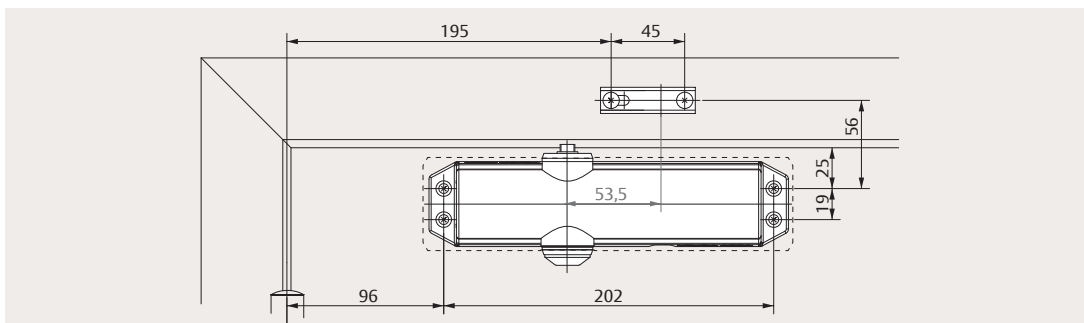


# DC120

## Mounting dimensions

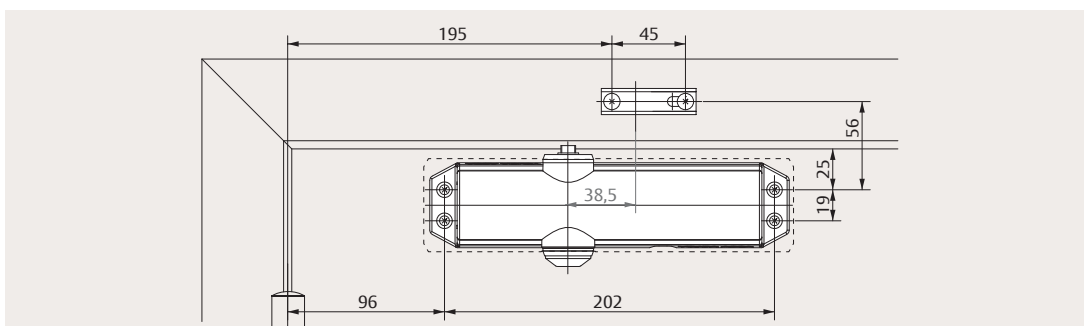
### Direct leaf mounting with link arm EN size 2 on hinge side

The drawing illustrates  
installation on left-handed  
doors. For right-handed doors,  
it is the reverse.



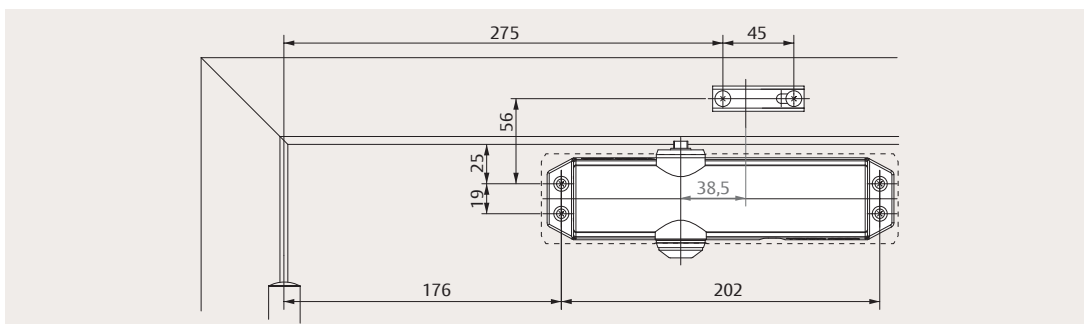
### Direct leaf mounting with link arm EN size 3 on hinge side

The drawing illustrates  
installation on left-handed  
doors. For right-handed doors,  
it is the reverse.



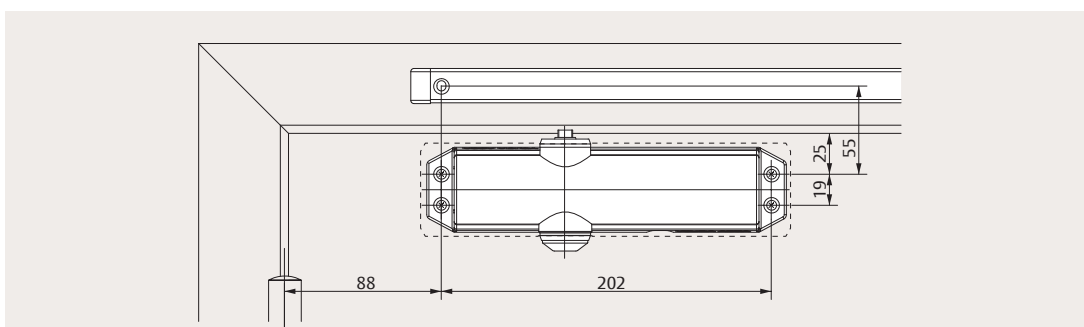
### Direct leaf mounting with link arm EN size 4 on hinge side

The drawing illustrates  
installation on left-handed  
doors. For right-handed doors,  
it is the reverse.



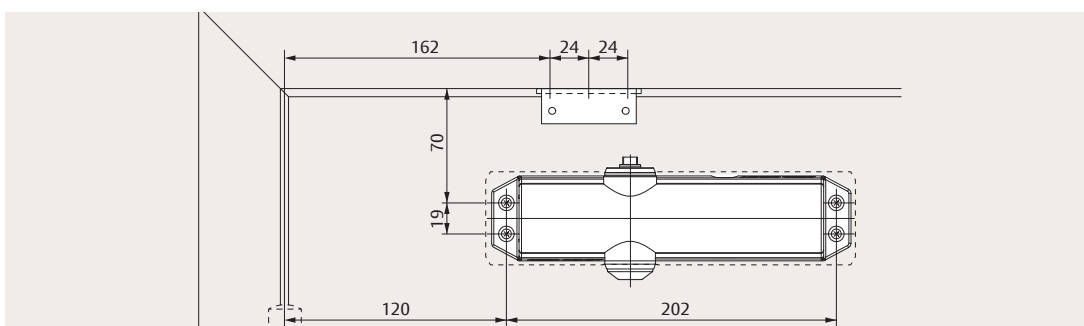
### Direct leaf mounting with guide rail EN size 2 on hinge side

The drawing illustrates  
installation on left-handed  
doors. For right-handed doors,  
it is the reverse.



### Direct leaf mounting with parallel arm EN size 3 on non-hinge side

The drawing illustrates  
installation on right-handed  
doors. For left-handed doors,  
it is the reverse.



# DC120

## Order information



Door closers	
<b>Standard link arm variant with cover</b>	
DC120 with standard arm and cover, EN size 2/3/4, silver, EV1	DC120-----DEV1-
DC120 with standard arm and cover, EN size 2/3/4, white, similar to RAL 9016	DC120-----D9016
DC120 with standard arm and cover, EN size 2/3/4, black, similar to RAL 9005	DC120-----D9005
DC120 with standard arm and cover, EN size 2/3/4, gold, similar to RAL 1004	DC120-----D1004
DC120 with standard arm and cover, EN size 2/3/4, stainless steel	DC120-----D35--
<b>Hold-open link arm variant with cover</b>	
DC120 with hold-open arm and cover, EN size 2/3/4, silver, EV1	DC120-1---DEV1-
DC120 with hold-open arm and cover, EN size 2/3/4, white, similar to RAL 9016	DC120-1---D9016
DC120 with hold-open arm and cover, EN size 2/3/4, black, similar to RAL 9005	DC120-1---D9005
DC120 with hold-open arm and cover, EN size 2/3/4, gold, similar to RAL 1004	DC120-1---D1004
<b>Parallel arm variant with cover</b>	
DC120 with parallel arm and cover, EN size 3, silver, EV1	DC120-3---DEV1-
DC120 with parallel arm and cover, EN size 3, white, similar to RAL 9016	DC120-3---D9016
DC120 with parallel arm and cover, EN size 3, black, similar to RAL 9005	DC120-3---D9005
DC120 with parallel arm and cover, EN size 3, stainless steel	DC120-3---D35--
<b>Guide rail variant with cover</b>	
DC120 with guide rail and cover, EN size 2, silver, EV1	DC120-2---DEV1-
DC120 with guide rail and cover, EN size 2, black, similar to RAL 9005	DC120-2---D9005
<b>Standard link arm variant without cover</b>	
DC120 with standard arm, EN size 2/3/4, silver, EV1	DC120-----EV1-
DC120 with standard arm, EN size 2/3/4, white, similar to RAL 9016	DC120-----9016
DC120 with standard arm, EN size 2/3/4, black, similar to RAL 9005	DC120-----9005
DC120 with standard arm, EN size 2/3/4, gold, similar to RAL 1004	DC120-----1004

DC120, silver



DC120, white



DC120, black



DC120, gold



DC120, stainless steel



DC120-1, silver



DC120-3, silver



DC120-2, silver



DC120, silver, without cover



## DC110

Rack and pinion door closer with link arm  
for single leaf doors, size 2/3/4



DC110 with standard link arm, silver, EV1

The DC110 is an economical and compact solution for a wide range of applications. It is available in different configurations and finishes to meet your specific requirements. The DC110 comes complete with body and arm.

- Certified in compliance with EN 1154, size 2/3/4 (size 3 with parallel arm)
- Suitable for fire and smoke protection doors (not for hold-open link arm)
- For single leaf doors up to 1100 mm width

### Colours

- Silver, EV1
- White, similar to RAL 9016
- Brown, similar to RAL 8014
- Black, similar to RAL 9005

### Features

- Can be used for left- and right-handed doors
- Closing and latch speeds can be raised and lowered independently
- Durable metal valves make adjustments reliable
- Consistent performance in a wide range of temperatures

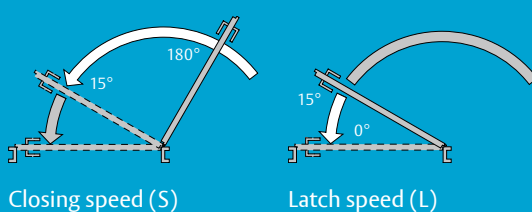
### Product variants

- Standard link arm
- Hold-open link arm (cannot be used on fire doors)
- Parallel arm (check suitability for use on fire doors)

### Accessories

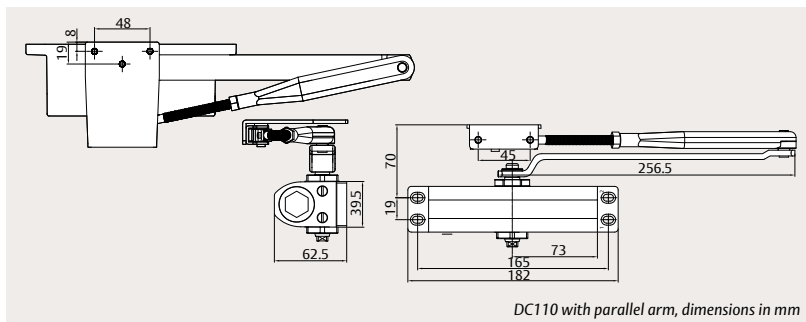
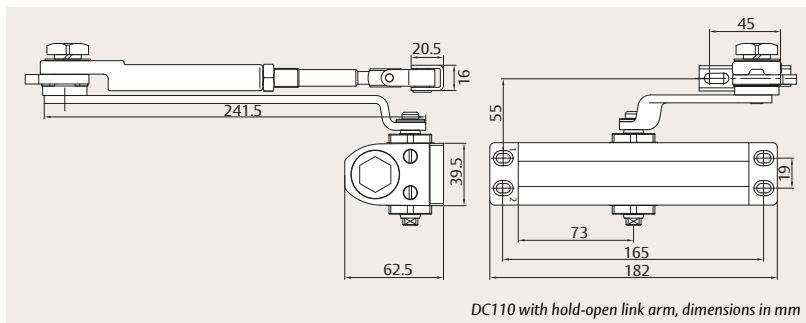
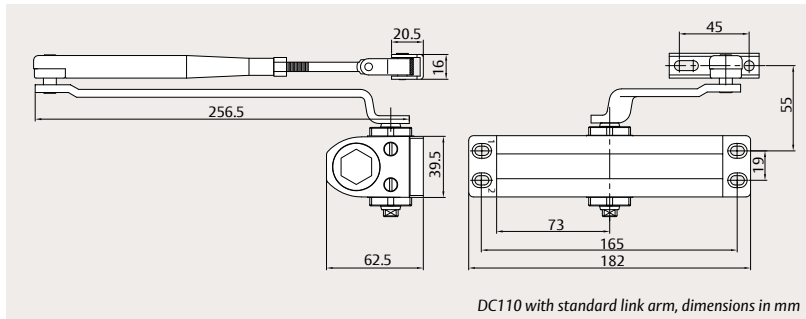
- **A154** parallel arm bracket for parallel arm installation (does not provide full closing force)

### Independent adjustment via side-facing valves



# DC110

## Technical attributes and certification



Scan the QR code  
to watch the  
installation video



### Technical attributes

Closing force	EN size 2/3/4 (parallel arm EN size 3)
Maximum leaf width	1100 mm
Closing speed (S)	Variable between 180° and 15°
Latch speed (L)	Variable between 15° and 0°
Maximum opening angle	~180°
Door system	Single leaf
Handing	Left- / right-handed
Mounting options	Leaf mounting on hinge side (non-hinge side with parallel arm)
Force adjustment	No
Height adjustment	No
Corrosion resistance	Grade 4 (240 hours)
Dimensions (H x D x L)	39.5 x 62.5 x 182 mm



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download all relevant  
product literature



### Certification and testing

Certified in compliance with	EN 1154
CE classification	4   8   2/3/4   1   1   4
CE / UKCA mark	Yes
Suitable for fire and smoke protection doors	Yes (≥EN3)
Third-party verified EPD	ISO 14025, EN 15804

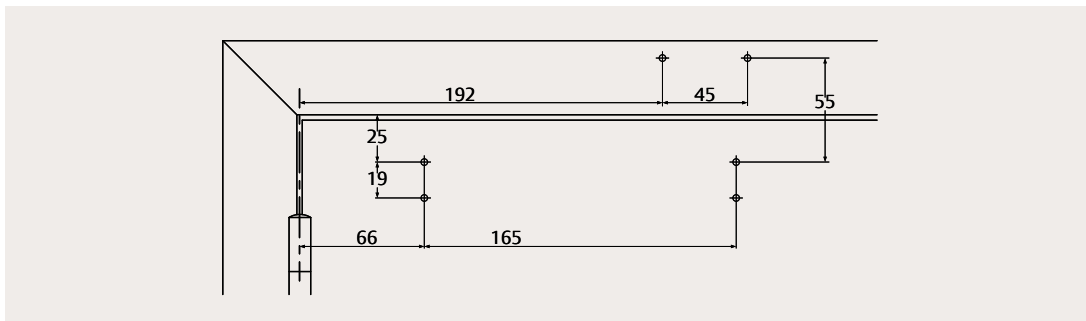


# DC110

## Mounting dimensions and accessories

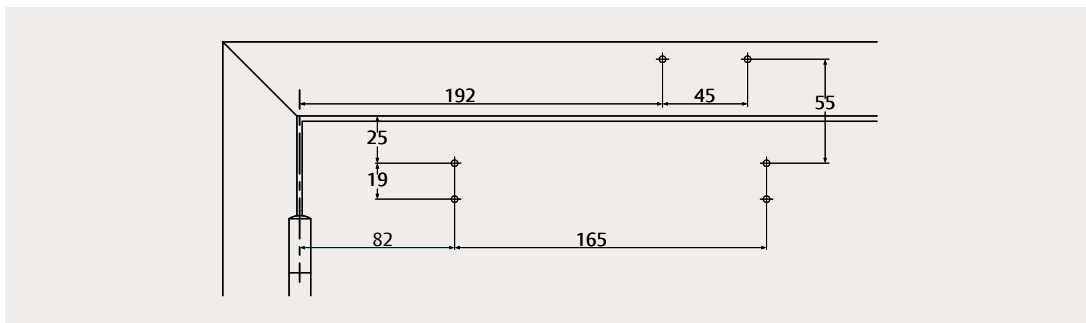
### Direct leaf mounting with link arm EN size 2 on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



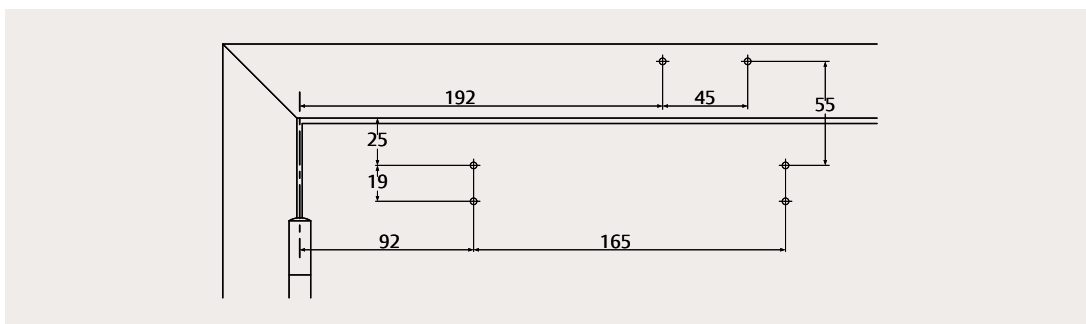
### Direct leaf mounting with link arm EN size 3 on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



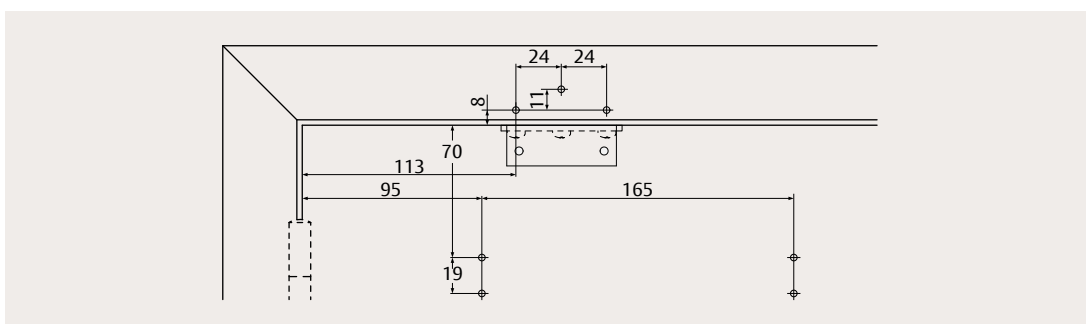
### Direct leaf mounting with link arm EN size 4 on hinge side

The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



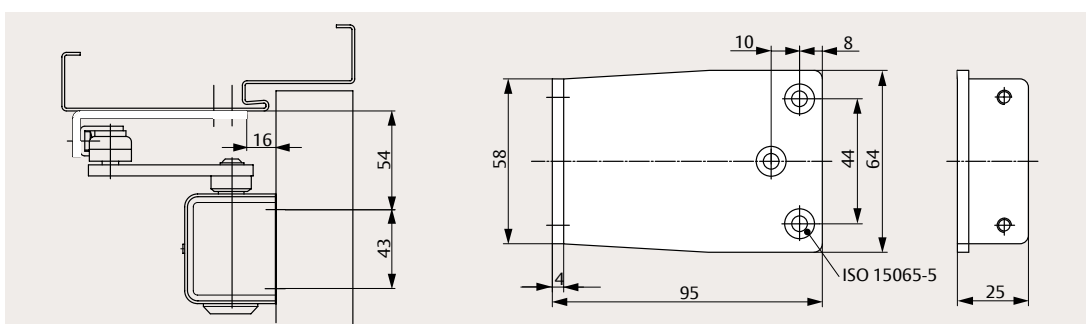
### Direct leaf mounting with parallel arm EN size 3 on non-hinge side

The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



### A154 parallel arm bracket for parallel arm mounting

Check suitability for use on fire and smoke protection doors.



# DC110

## Order information



### Door closers

#### Standard link arm variant

DC110 with standard arm, EN size 2/3/4, silver, EV1	DC110-----DEV1-
DC110 with standard arm, EN size 2/3/4, white, similar to RAL 9016	DC110-----D9016
DC110 with standard arm, EN size 2/3/4, brown, similar to RAL 8014	DC110-----D8014
DC110 with standard arm, EN size 2/3/4, black, similar to RAL 9005	DC110-----D9005

#### Hold-open link arm variant

DC110 with hold-open arm, EN size 2/3/4, silver, EV1	DC110-1---DEV1-
DC110 with hold-open arm, EN size 2/3/4, white, similar to RAL 9016	DC110-1---D9016
DC110 with hold-open arm, EN size 2/3/4, brown, similar to RAL 8014	DC110-1---D8014
DC110 with hold-open arm, EN size 2/3/4, black, similar to RAL 9005	DC110-1---D9005

#### Parallel arm variant

DC110 with parallel arm, EN size 3, silver, EV1	DC110-3---DEV1-
DC110 with parallel arm, EN size 3, white, similar to RAL 9016	DC110-3---D9016
DC110 with parallel arm, EN size 3, brown, similar to RAL 8014	DC110-3---D8014
DC110 with parallel arm, EN size 3, black, similar to RAL 9005	DC110-3---D9005

### Accessories

#### Parallel arm bracket A154

Parallel arm bracket A154, silver, EV1	DCA154-----EV1-
Parallel arm bracket A154, white, similar to RAL 9016	DCA154-----9016
Parallel arm bracket A154, brown, similar to RAL 8014	DCA154-----8014
Parallel arm bracket A154, black, similar to RAL 9005	DCA154-----9005

DC110, silver



DC110, white



DC110, brown



DC110, black



DC110-1, silver



DC110-3, silver



A154, silver



A154, white



A154, brown



A154, black









# Cam-Motion® and Rack & Pinion Gate Closers

Increase the safety and security of your property

*Our gate closers are equipped with Cam-Motion or Rack & Pinion technology. They provide a smooth opening with a strong and reliable closing action to protect your property.*

## Gate closer solutions

### A valuable addition to non-paneled garden and pedestrian gates



Security doesn't begin at your front door.

A perimeter gate is your first line of defence, but human error can still leave premises vulnerable.

At home, this could risk the safety of children or allow a beloved pet to escape.

At commercial sites, an open gate is an invitation to intruders and threatens valuable employee property like cycles.

Gate closers eliminate the need for manual gate closing, ensuring that the gate remains closed and latched at all times.

With an ASSA ABLOY solution, closing and latch speeds can be individually adjusted, allowing you to tailor the performance of your door closer to your needs.

Choose between a traditional rack and pinion product or our versatile Cam-Motion solution with a slim design that is mounted vertically behind your gate and ensures comfortable operation.

All our gate closers are designed to withstand various weather conditions, ensuring that the gate closes securely even in adverse weather.

### Product overview – Cam-Motion® and rack & pinion gate closers

	DC630G	DC680G	DC650G	DC620G
Cam-Motion technology	■			
Rack & pinion technology		■	■	■
Maximum gate width	1300 mm	1400 mm	1250 mm	1000 mm
Maximum opening angle*	~130°	~180°	~180°	~180°
Force adjustment	■	■		
Pretension adjustment	■	■	■	■
Adjustable closing speed	■	■	■	■
Adjustable latch speed	■	■	■	■
Mounting options	Pillar or wall mounting Pull or push side	Pillar mounting on pull side	Pillar mounting on pull side	Pillar mounting on pull side
Suitable for left- and right-handed gates		■	■	■
Barrier-free according to CEN/TR 15894	■			

\* Gate construction / hinges may limit the maximum opening angle

## DC630G

Vertical gate closer with 3D Cam-Motion® technology and guide rail – for single action gates, adjustable size



DC630G, silver, EV1

**Cam-Motion®** technology creates rapidly decreasing opening force while closing tightly

With its minimalist and slim design, the DC630G is mounted vertically behind your gate. Unique 3D Cam-Motion technology allows easy opening with minimal user effort. It ensures comfortable operation and barrier-free access whilst maintaining a closing force to ensure secure closing.

- Suitable for non-paneled garden and pedestrian gates with or without protruding bars
- For single action gates up to 1300 mm width, adjustable size
- Barrier-free according to CEN/TR 15894
- Supplied with guide rail, mounting screws and rivets

### Colours

- Silver, EV1
- Matt Black, similar to RAL 9004
- Customized colours on request

### Features

- Can be used in four installation types: pillar or wall mounting on push and pull side of the gate
- Easy to install – no welding required
- Closing and latch speeds can be raised and lowered independently
- Adjustable power sizes simplify specification
- Durable, side-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Pinch free guide rail adds safety

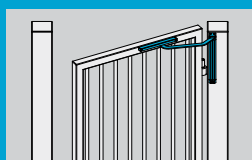
### Product variants

- **DC630G-R** right-handed gate closer
- **DC630G-L** left-handed gate closer

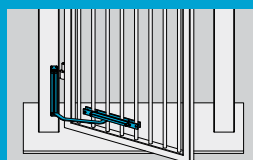
### Accessories

- **AC632** mounting plates for rack and protruding bars guide rail installation
- **AC633** mounting bracket kit for wall and push side body installation
- **A152** mechanical hold-open device with adjustable hold-open force, keeps gates open at an angle between 80° and 130°
- **A153** mechanical opening damper, continuously adjustable up to an opening angle of max. 130°

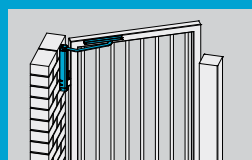
### Four mounting options with one product



Pillar mounting on pull side, standard



Pillar mounting on pull side, upside down



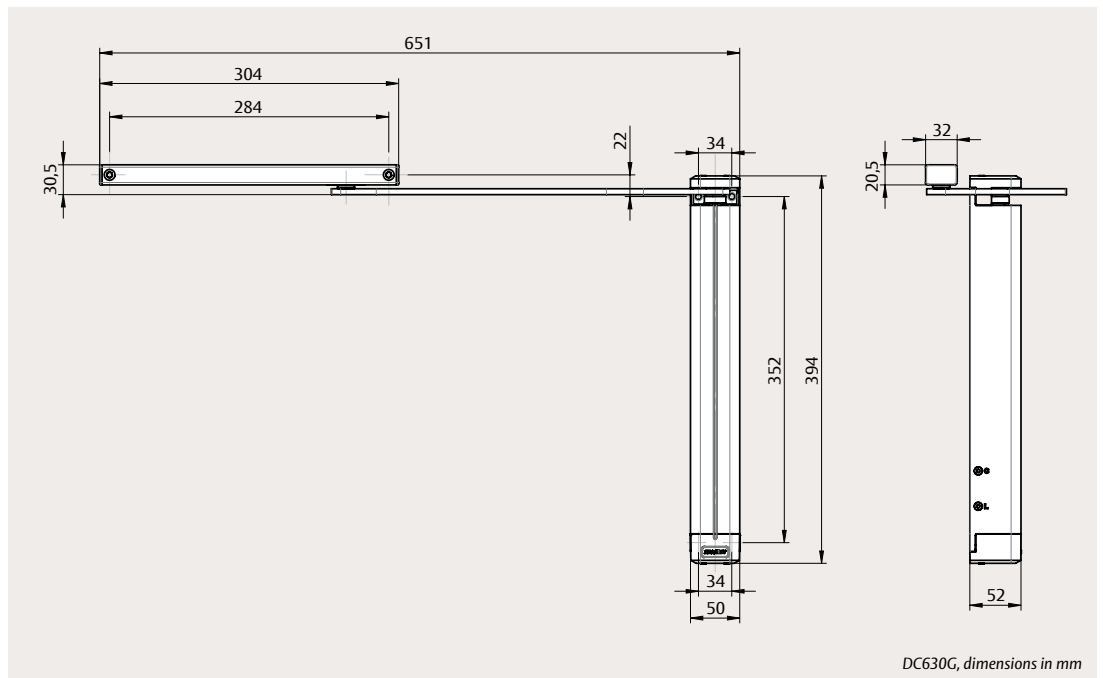
Wall mounting on push side, standard



Wall mounting on push side, upside down

# DC630G

## Technical attributes and certification



DC630G, dimensions in mm



### Technical attributes

<b>Maximum gate weight</b>	150 kg
<b>Maximum gate width</b>	1300 mm
<b>Closing speed (C)</b>	Variable between 130° and 20°
<b>Latch speed (L)</b>	Variable between 20° and 0°
<b>Maximum opening angle*</b>	~130°
<b>Gate system</b>	Single action, with or without protruding bars
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Pillar or wall mounting Pull or push side
<b>Force adjustment</b>	Yes
<b>Pretension adjustment</b>	Yes
<b>Corrosion resistance</b>	Yes
<b>Dimensions (H x D x L)</b>	50 x 52 x 394 mm

\* Gate construction / hinges may limit the maximum opening angle



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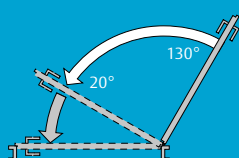


### Certification and testing

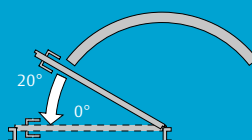
<b>Barrier-free according to</b>	CEN/TR 15894
<b>Third-party verified EPD</b>	ISO 14025, EN 15804



### Independent adjustment via side-facing valves



Closing speed (C)



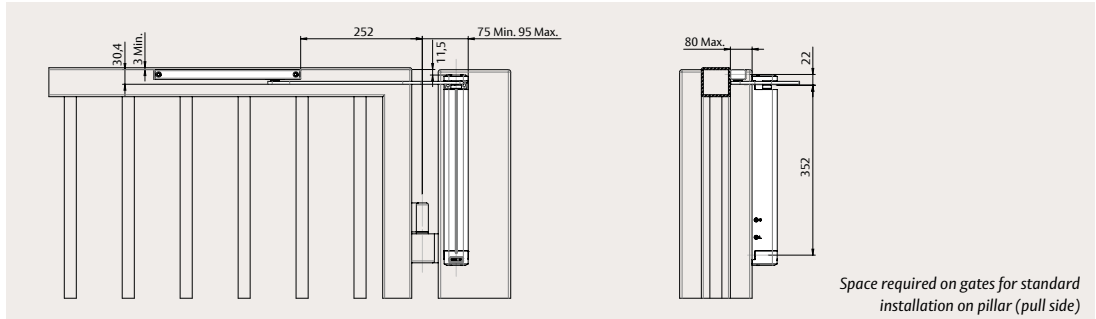
Latch speed (L)

# DC630G

## Space requirement and mounting dimensions



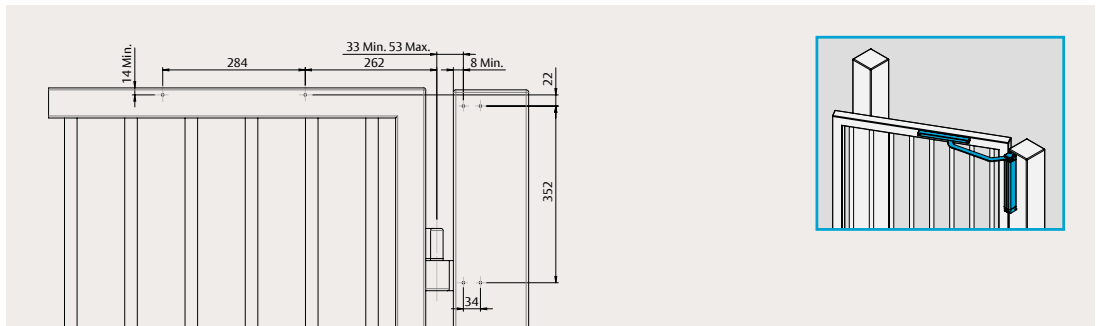
Scan the QR code to watch the installation video



### Pillar mounting

on pull side

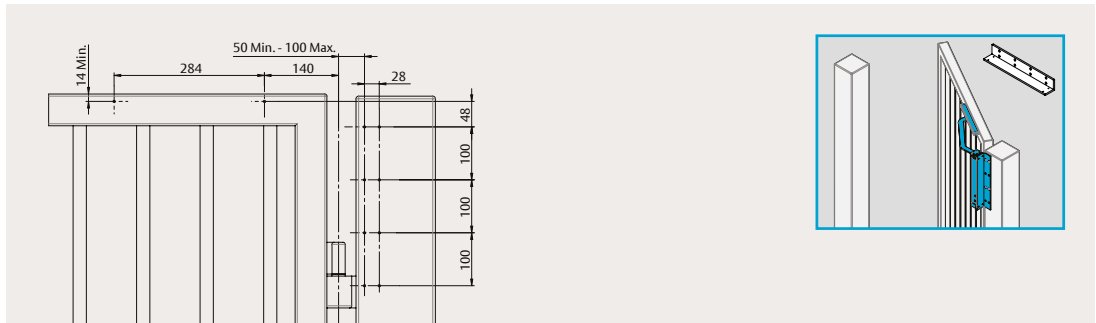
The drawing illustrates installation on right-handed gates with DC630G-R. For installation on left-handed gates with DC630G-L, it is the reverse.



### Pillar mounting

on push side; with AC633 mounting bracket

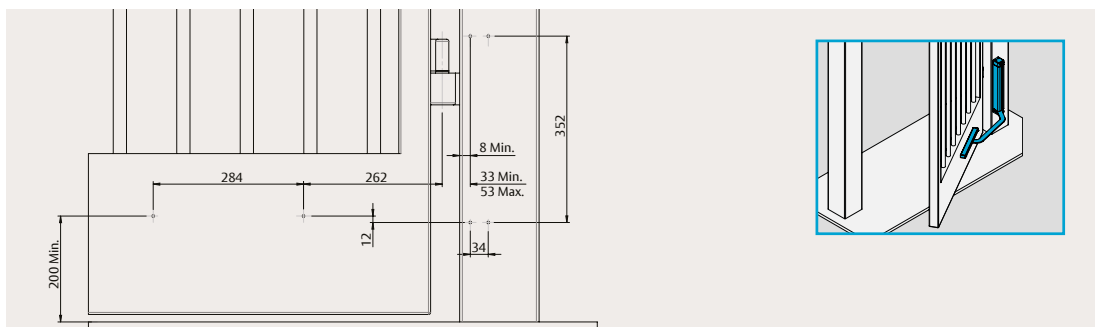
The drawing illustrates installation on left-handed gates with DC630G-R. For installation on right-handed gates with DC630G-L, it is the reverse.



### Reverse pillar mounting

on pull side

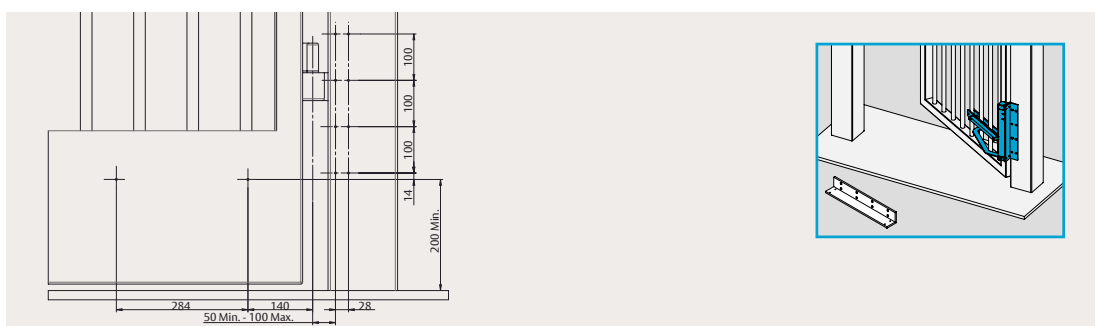
The drawing illustrates installation on right-handed gates with DC630G-L. For installation on left-handed gates with DC630G-R, it is the reverse.



### Reverse pillar mounting

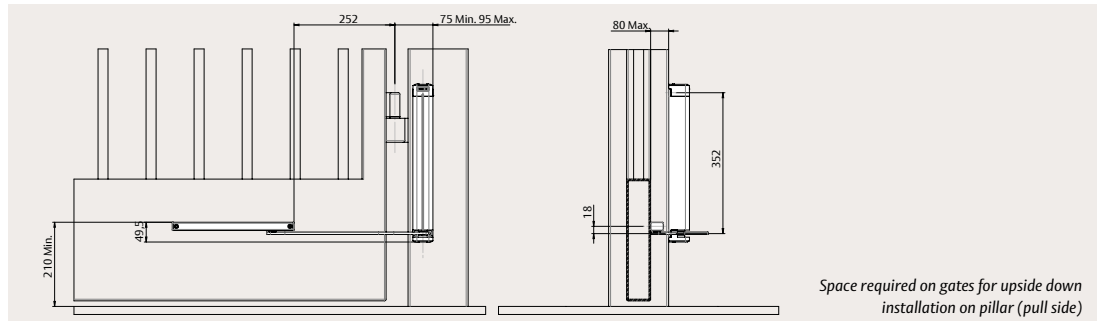
on push side; with AC633 mounting bracket

The drawing illustrates installation on left-handed gates with DC630G-R. For installation on right-handed gates with DC630G-L, it is the reverse.



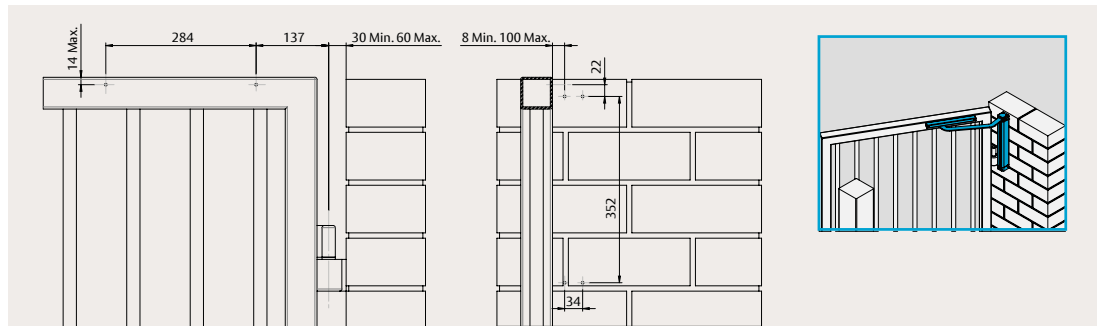
# DC630G

## Space requirement, mounting dimensions and accessories



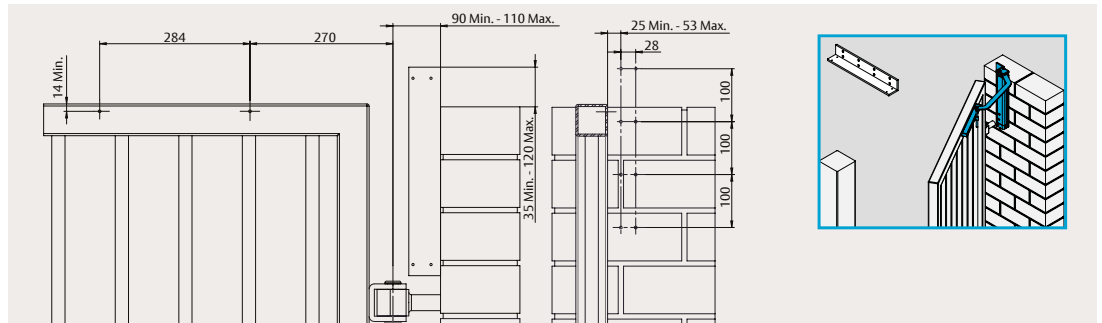
### Wall mounting on push side

The drawing illustrates installation on left-handed gates with DC630G-L. For installation on right-handed gates with DC630G-R, it is the reverse.



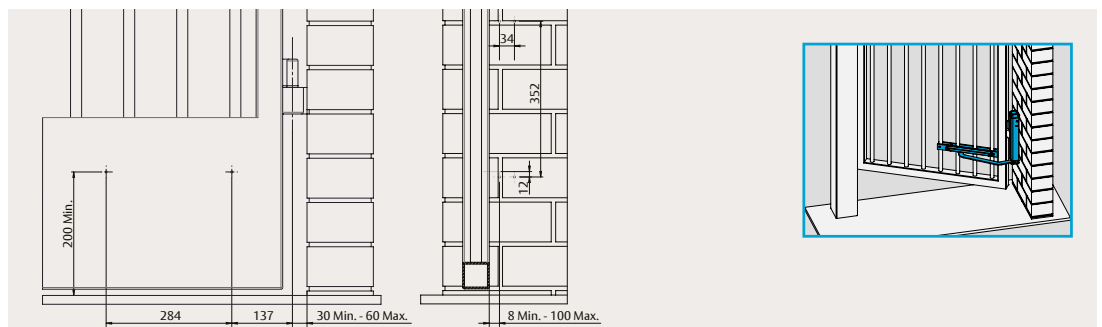
### Wall mounting on pull side; with AC633 mounting bracket

The drawing illustrates installation on right-handed gates with DC630G-L. For installation on left-handed gates with DC630G-R, it is the reverse.



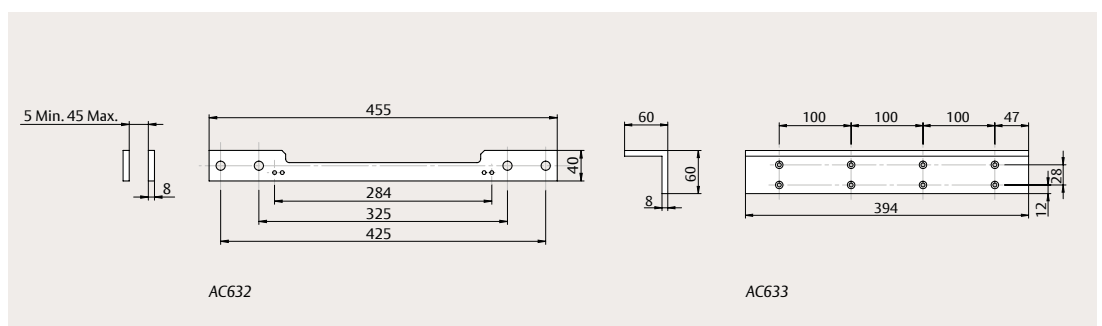
### Reverse wall mounting on push side

The drawing illustrates installation on right-handed gates with DC630G-R. For installation on left-handed gates with DC630G-L, it is the reverse.



### Accessories

AC632 mounting plate and AC633 mounting bracket



# DC630G

## Order information



### Gate closers

DC630G-L, left-handed, silver, EV1	DC630G-L---EV1-
DC630G-R, right-handed, silver, EV1	DC630G-R---EV1-
DC630G-L, left-handed, black, similar to RAL 9004	DC630G-L---9004
DC630G-R, right-handed, black, similar to RAL 9004	DC630G-R---9004

### Accessories

Mounting plate AC632 for guide rail, silver, EV1	DCAC632----EV1-
Mounting plate AC632 for guide rail, black, similar to RAL 9004	DCAC632----9004
Mounting bracket kit AC633 for body, silver, EV1	DCAC633----EV1-
Mounting bracket kit AC633 for body, black, similar to RAL 9004	DCAC633----9004
Mechanical hold-open device A152	DCA152-----
Mechanical opening damper A153	DCA153-----

DC630G, silver



DC630G, black



AC632



AC633



A152



A153





## DC680G

Rack and pinion gate closer with guide rail for single action gates, adjustable size



DC680G, silver, EV1

The DC680G gate closer with rack and pinion technology is suitable for garden and pedestrian gates. With its cast iron body it is ideal for heavy duty use. The affordable gate closer provides a smooth opening with a strong and reliable closing action to protect your property.

- Suitable for non-paneled garden and pedestrian gates with or without protruding bars
- For single action gates up to 1400 mm width, adjustable size
- Supplied with guide rail, mounting screws and fixing plates

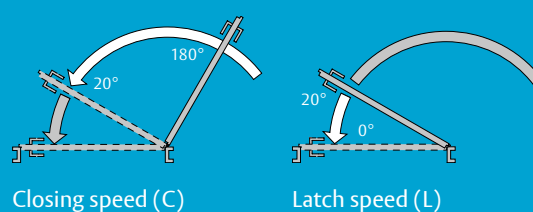
### Colours

- Silver, EV1
- White, similar to RAL 9016
- Black, similar to RAL 9004

### Features

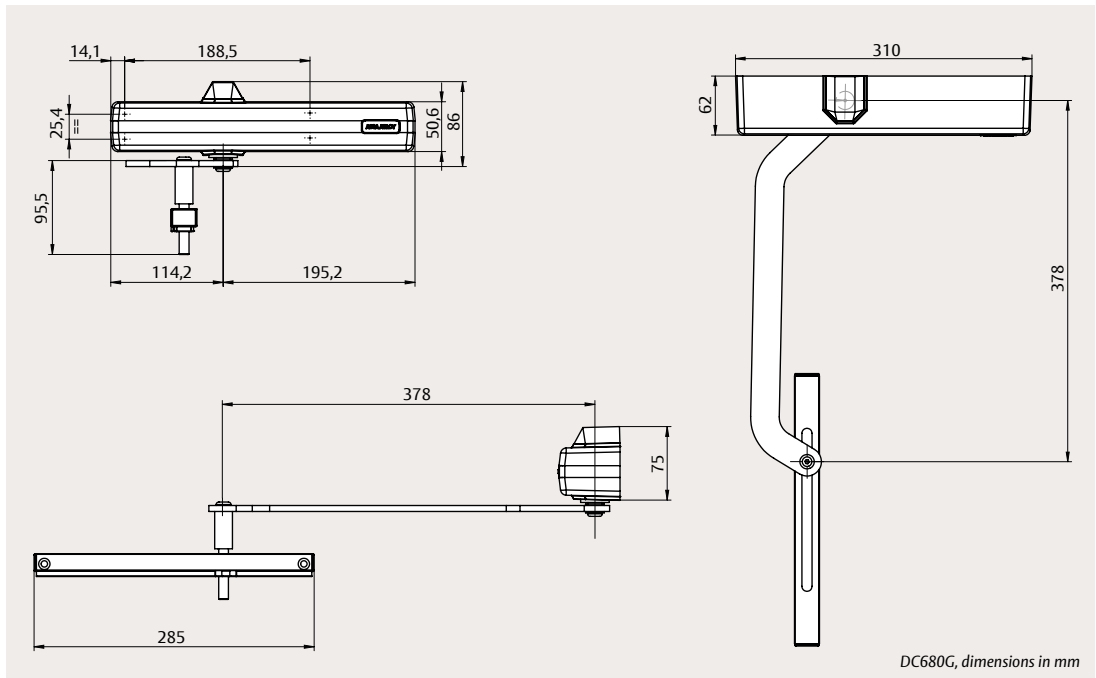
- Can be used for left- and right-handed gates
- Easy to install – no welding required
- Closing and latch speeds can be raised and lowered independently
- Adjustable power sizes simplify specification
- Durable, side-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Pinch free guide rail adds safety

### Independent adjustment via side-facing valves



# DC680G

## Technical attributes



DC680G, dimensions in mm



### Technical attributes

<b>Maximum gate width</b>	1400 mm
<b>Closing speed (C)</b>	Variable between 180° and 20°
<b>Latch speed (L)</b>	Variable between 20° and 0°
<b>Maximum opening angle*</b>	~180°
<b>Gate system</b>	Single action, with or without protruding bars
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Pillar mounting on pull side
<b>Force adjustment</b>	Yes
<b>Pretension adjustment</b>	Yes
<b>Corrosion resistance</b>	Yes
<b>Dimensions (H x D x L)</b>	75 x 62 x 310 mm

\* Gate construction / hinges may limit the maximum opening angle



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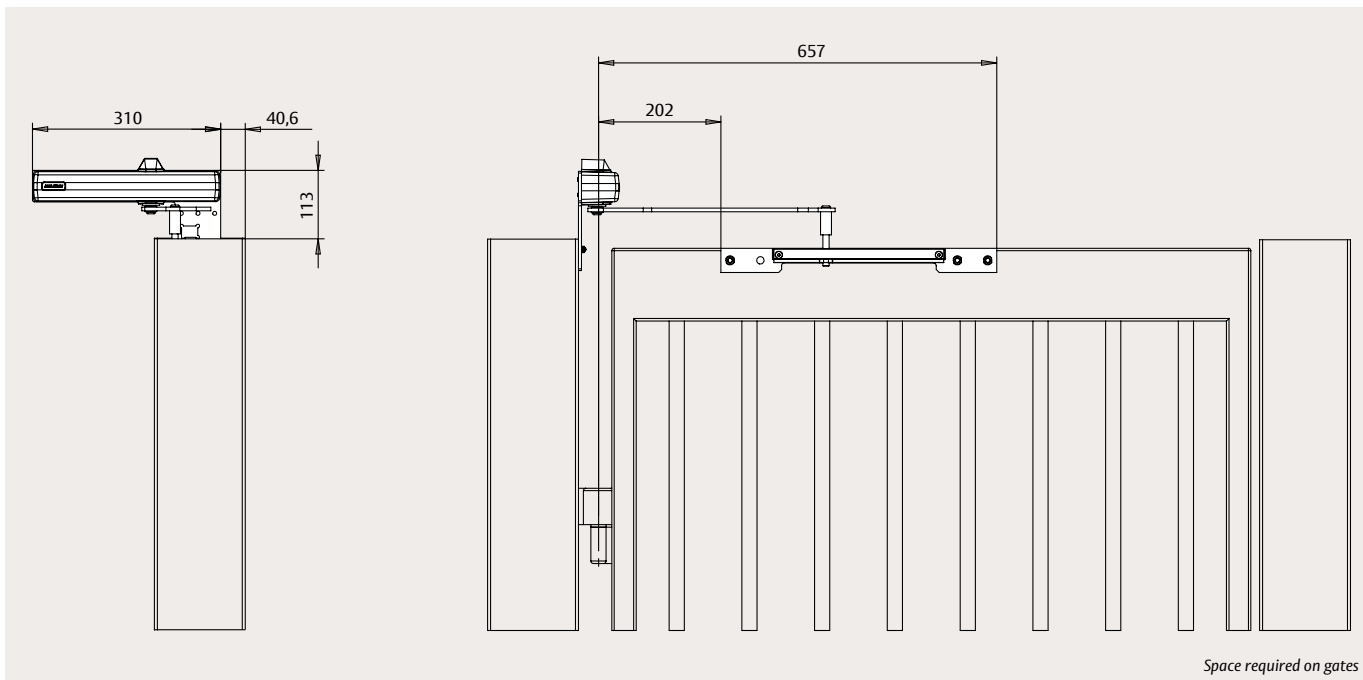
### Certification and testing

<b>Third-party verified EPD</b>	ISO 14025, EN 15804
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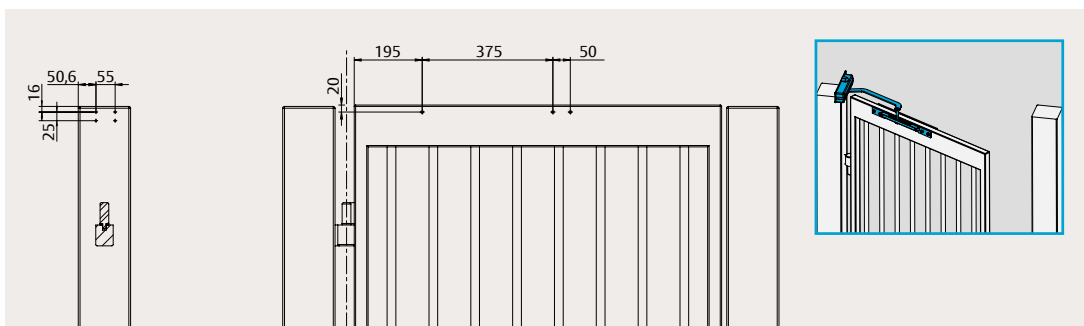
# DC680G

## Space requirement, mounting dimensions and order information



### Pillar mounting on pull side

The drawing illustrates installation on left-handed gates. For installation on right-handed gates, it is the reverse.



### Order information

DC680G, silver, EV1	DC680G-----EV1-
DC680G, white, similar to RAL 9016	DC680G-----9016
DC680G, black, similar to RAL 9004	DC680G-----9004

### DC680G, silver



### DC680G, white



### DC680G, black



## DC650G

Rack and pinion gate closer with guide rail  
for single action gates, fixed size



DC650G, silver, EV1

The DC650G gate closer with rack and pinion technology is suitable for garden and pedestrian gates. With its cast iron body it is ideal for heavy duty use. The affordable gate closer provides a smooth opening with a strong and reliable closing action to protect your property.

- Suitable for non-paneled garden and pedestrian gates with or without protruding bars
- For single action gates up to 1250 mm width, fixed size
- Supplied with guide rail, mounting screws and fixing plates

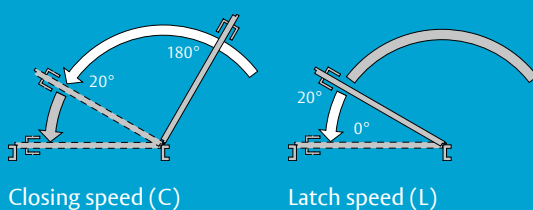
### Colours

- Silver, EV1
- White, similar to RAL 9016
- Black, similar to RAL 9004

### Features

- Can be used for left- and right-handed gates
- Easy to install – no welding required
- Closing and latch speeds can be raised and lowered independently
- Durable, side-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Pinch free guide rail adds safety

### Independent adjustment via side-facing valves

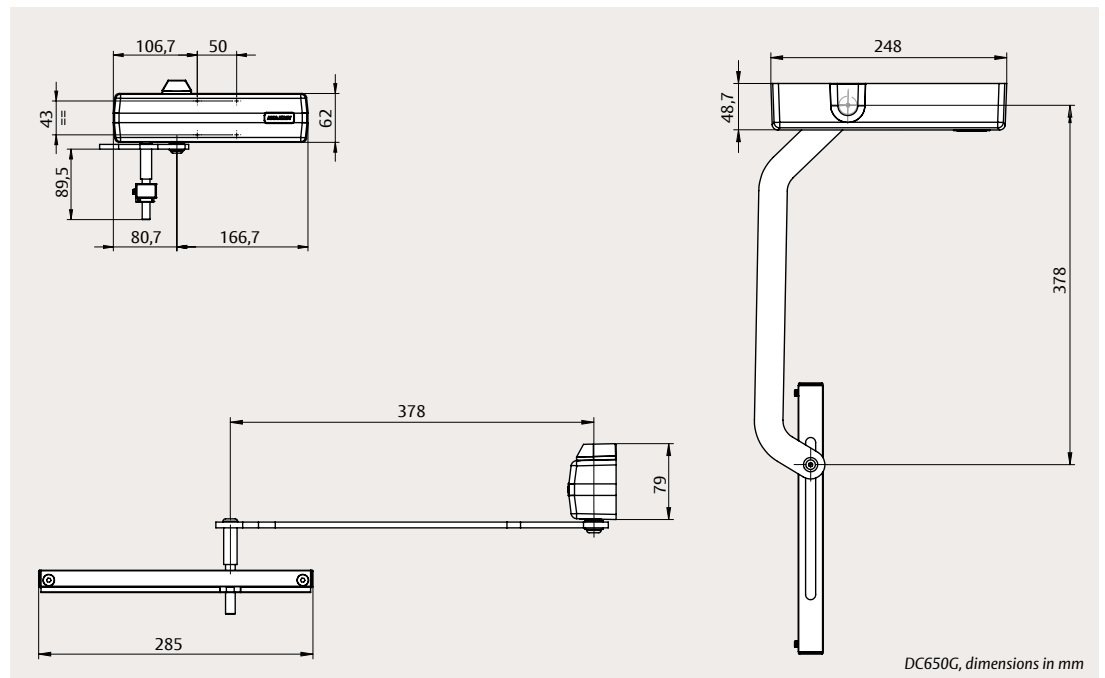


Closing speed (C)

Latch speed (L)

# DC650G

## Technical attributes



DC650G, dimensions in mm



### Technical attributes

<b>Maximum gate width</b>	1250 mm
<b>Closing speed (C)</b>	Variable between 180° and 20°
<b>Latch speed (L)</b>	Variable between 20° and 0°
<b>Maximum opening angle*</b>	~180°
<b>Gate system</b>	Single action, with or without protruding bars
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Pillar mounting on pull side
<b>Force adjustment</b>	No
<b>Pretension adjustment</b>	Yes
<b>Corrosion resistance</b>	Yes
<b>Dimensions (H x D x L)</b>	79 x 49 x 248 mm

\* Gate construction / hinges may limit the maximum opening angle



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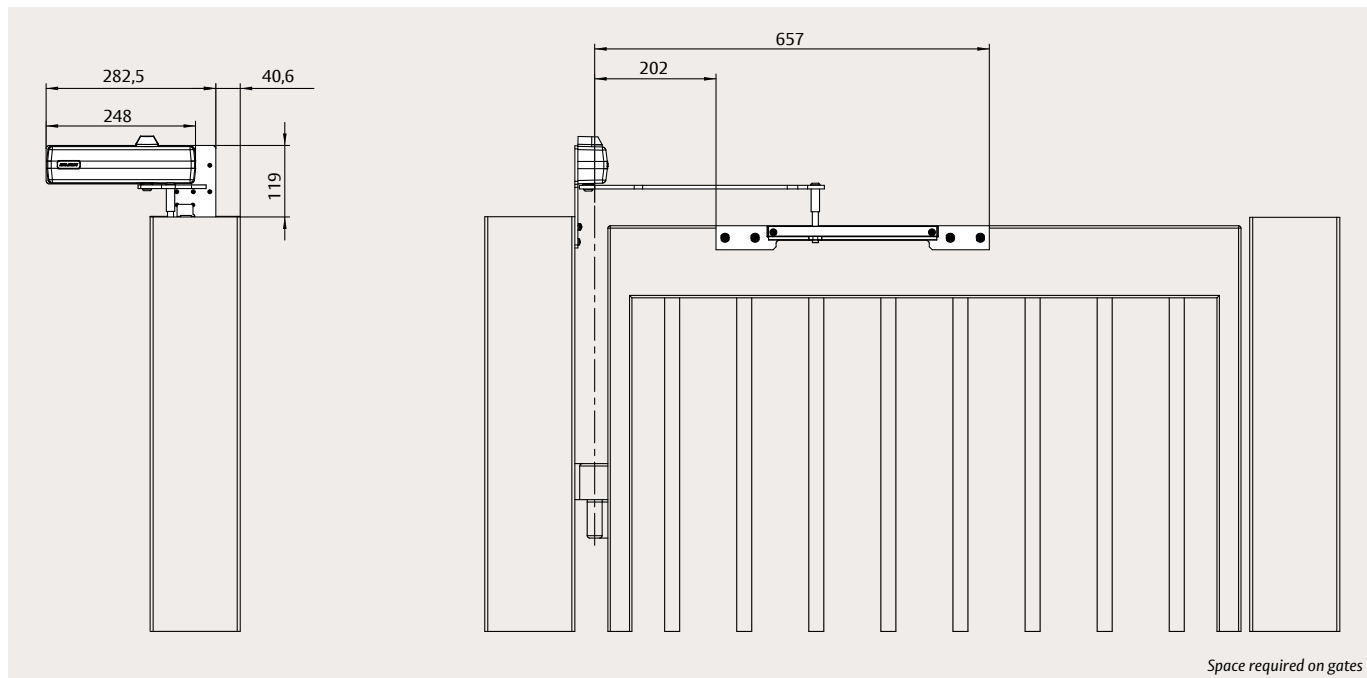
### Certification and testing

<b>Third-party verified EPD</b>	ISO 14025, EN 15804
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# DC650G

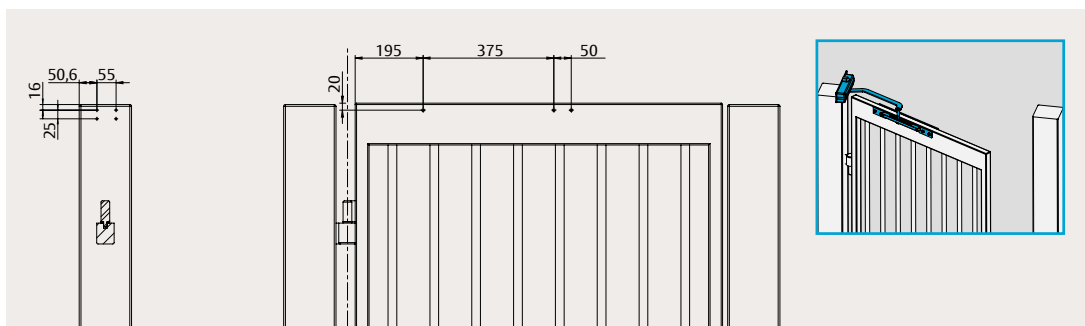
## Space requirement, mounting dimensions and order information



### Pillar mounting

on pull side

The drawing illustrates installation on left-handed gates. For installation on right-handed gates, it is the reverse.



Order information	
DC650G, silver, EV1	DC650G-----EV1-
DC650G, white, similar to RAL 9016	DC650G-----9016
DC650G, black, similar to RAL 9004	DC650G-----9004



## DC620G

Rack and pinion gate closer with guide rail  
for single action gates, fixed size



DC620G, silver, EV1

The DC620G gate closer with rack and pinion technology is suitable for garden and pedestrian gates. With its cast iron body it is ideal for heavy duty use. The affordable gate closer provides a smooth opening with a strong and reliable closing action to protect your property.

- Suitable for non-paneled garden and pedestrian gates with or without protruding bars
- For single action gates up to 1000 mm width, fixed size
- Supplied with guide rail, mounting screws and fixing plates

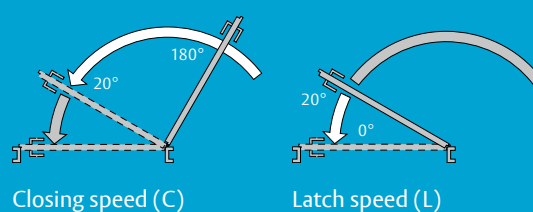
### Colours

- Silver, EV1
- White, similar to RAL 9016
- Black, similar to RAL 9004

### Features

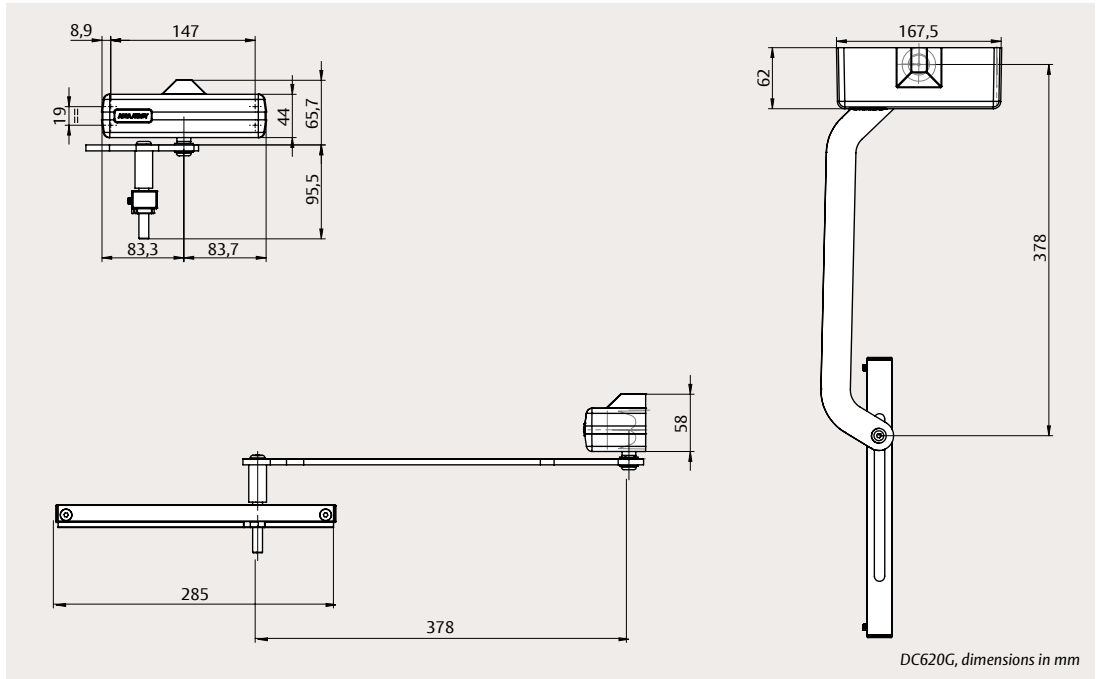
- Can be used for left- and right-handed gates
- Easy to install – no welding required
- Closing and latch speeds can be raised and lowered independently
- Durable, side-facing metal valves make adjustments easy and reliable
- Consistent performance in a wide range of temperatures
- Pinch free guide rail adds safety

### Independent adjustment via side-facing valves



# DC620G

## Technical attributes



DC620G, dimensions in mm



### Technical attributes

<b>Maximum gate width</b>	1000 mm
<b>Closing speed (C)</b>	Variable between 180° and 20°
<b>Latch speed (L)</b>	Variable between 20° and 0°
<b>Maximum opening angle*</b>	~180°
<b>Gate system</b>	Single action, with or without protruding bars
<b>Handing</b>	Left- / right-handed
<b>Mounting options</b>	Pillar mounting on pull side
<b>Force adjustment</b>	No
<b>Pretension adjustment</b>	Yes
<b>Corrosion resistance</b>	Yes
<b>Dimensions (H x D x L)</b>	68.5 x 62 x 167.5 mm

\* Gate construction / hinges may limit the maximum opening angle



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### Certification and testing

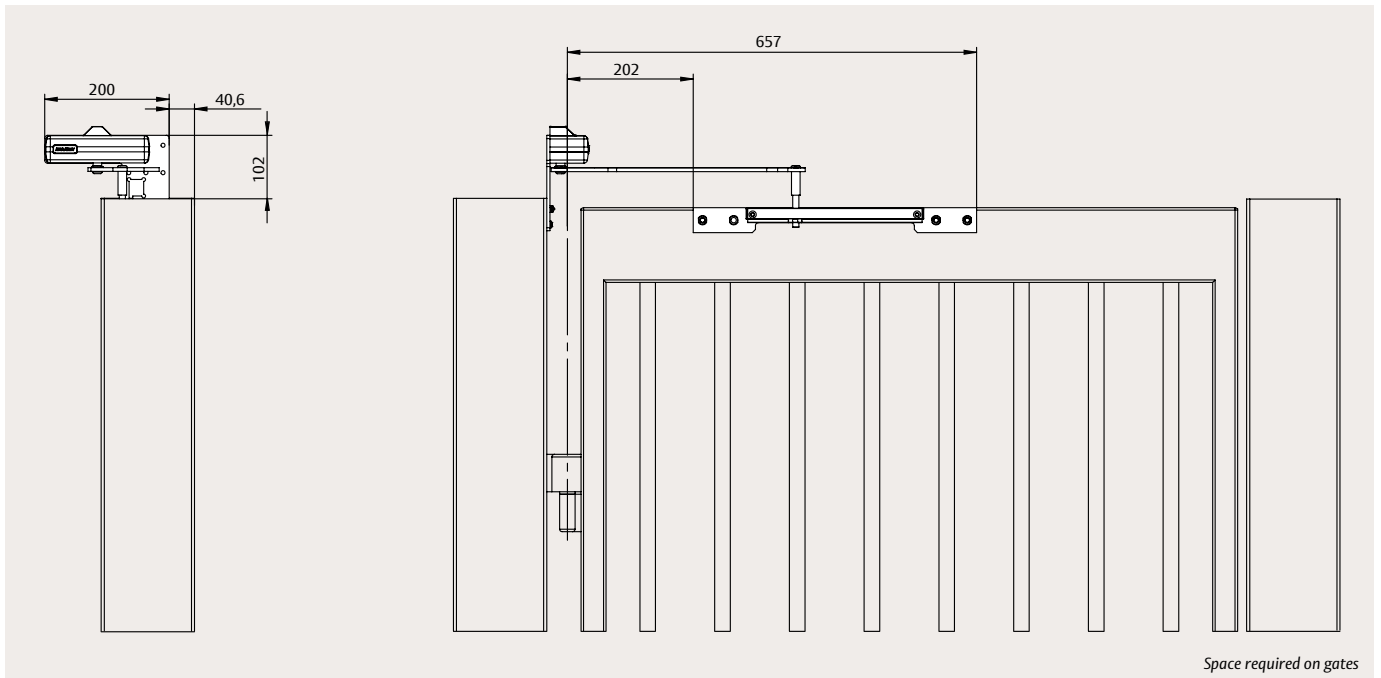
<b>Third-party verified EPD</b>	ISO 14025, EN 15804
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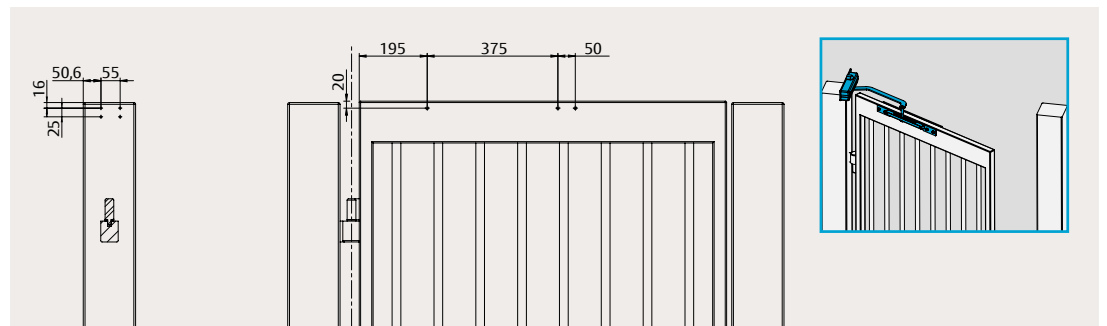
# DC620G

## Space requirement, mounting dimensions and order information



### Pillar mounting on pull side

The drawing illustrates installation on left-handed gates. For installation on right-handed gates, it is the reverse.



### Order information

DC620G, silver, EV1	DC620G-----EV1-
DC620G, white, similar to RAL 9016	DC620G-----9016
DC620G, black, similar to RAL 9004	DC620G-----9004

### DC620G, silver



### DC620G, white



### DC620G, black





# Cam-Motion® Floor Springs and Transom Door Closers

Balance building design and accessibility

*Concealed under the finished floor level or into the transom profile, our Cam-Motion floor springs and transom door closers offer enhanced practicality for heavy double-action doors.*



## Cam-Motion® Floor spring solutions

### Enhanced durability and efficiency

For maximum opening comfort, ASSA ABLOY floor springs feature the same Cam-Motion technology and rapidly decreasing opening torque characteristics as our Cam-Motion guide rail systems.

Manufactured from cast iron with enhanced durability of up to one million cycles and the use of direct mount pivots, ASSA ABLOY floor springs tolerate heavier doors and are an ideal solution for glass doors.

Equipped with independent closing and latch speed functionality as standard, the use of metal head thermodynamic valves ensure consistent performance across a wide temperature range, and can be specified without hold-open, or with hold-open for use on non-fire doors.

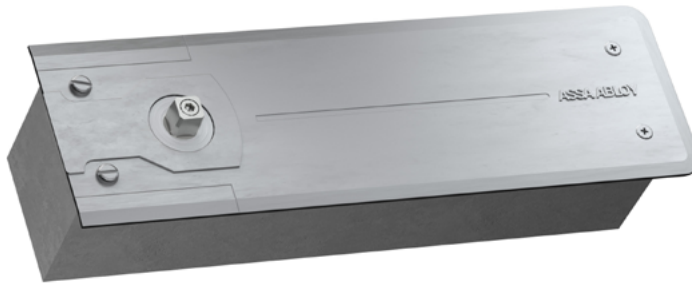
A full range of accessories is available, including single and double action arms and pivots, stainless steel, polished stainless steel and brass finish top plates, and a sealing compound.

#### Product overview – Floor springs and transom door closers

	DC475	DC477	DC450EA	DC450	DC611
<b>Closing force</b>	EN size 3-6	EN size 2-4	EN size 2/3/4	EN size 3/4	EN size 2/3/4
<b>Maximum leaf width</b>	1400 mm	1100 mm	850/950/1100 mm	950/1100 mm	850/950/1100 mm
<b>Maximum door weight</b>	300 kg	170 kg	120 kg	120 kg	120 kg
<b>Suitable for fire doors</b> <i>only for ≥EN3 and not for hold-open variants</i>	■	■	■	■	■
<b>Single-action</b>	■	■	■	■	
<b>Double-action</b>	■	■	■	■	■
<b>Durability</b>	High >1.000,000 test cycles	High >1.000,000 test cycles	High >1.000,000 test cycles	Standard 500,000 test cycles	High >1.000,000 test cycles
<b>Maximum opening angle</b> <i>1 closing speed 2 latch speed</i>					
<b>Adjustable closing speed</b>	■	■	■	■	■
<b>Adjustable latch speed</b>	■	■	■	■	■
<b>Overpressure relief valve</b>	■	■			
<b>Hold-open mode</b>	90° / 105°	90° / 105°	90° / 105°	90° / 105°	90° / 105°
<b>Hinge distance</b>	36 – 42 mm	55 – 57 mm	49 – 54 mm	49 – 54 mm	60 – 70 mm
<b>Dimensions (H x D x L)</b>	82 x 78 x 345 mm	70 x 110 x 277 mm	40 x 108 x 277 mm	40 x 108 x 277 mm	39 x 93 x 264 mm

## DC475

Floor spring with Cam-Motion® technology  
for single and double action doors, size 3-6



DC475 with Italian spindle, satin stainless steel

Cam-Motion®  
technology creates  
rapidly decreasing  
opening force without  
losing fire or smoke  
protection compliance

The DC475 with adjustable closing force is suitable for very heavy doors. Balancing building design and accessibility, ASSA ABLOY floor springs are minimal on the outside and powerful on the inside – ideal for large double action doors made of any material, even glass. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort.

- Certified in compliance with EN 1154, size 3-6
- Suitable for fire and smoke protection doors (not for hold-open variants)
- For single and double action doors up to 1400 mm width and 300 kg weight
- Barrier-free according to CEN/TR 15894

### Cover plate finishes

- Polished stainless steel
- Satin stainless steel
- Polished brass

### Features

- Premium construction provides double the industry standard for durability (over 1.000.000 test cycles)
- Hydraulic control from 175° in both door swing directions allows for smooth and controlled door operation
- Closing and latch speeds can be raised and lowered independently
- Overpressure relief valve protects the floor spring from misuse
- Zinc plated cement box allows for large adjustment range to fix any alignment problems without taking down the door
- Detachable spindle in different lengths (0-30 mm) and variants allows flexible installation
- Consistent performance in a wide range of temperatures

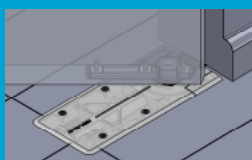
### Product variants

- Hold-open at 105° (cannot be used on fire doors)
- Hold-open at 90° (cannot be used on fire doors)
- Without hold-open, with symmetric cam or asymmetric cam for left- or right-handed doors

### Accessories

- **AC115** reversible bottom arm, Italian spindle
- **AC393** reversible bottom arm, German spindle
- **AC8** double action top pivot
- **AC118** double action top pivot, adjustable pivot point
- **AC375** double action top pivot, full steel, self-lubricating bushing
- **AC583** right and left bottom arm, socket for Italian square spindle
- **AC392** right and left bottom arm, socket for German rectangular spindle
- **AC384** top pivot for left- or right-handed doors
- **AC612** sealing compound for floor springs
- **CP269** cover plate

### Versatile applications



Double action doors



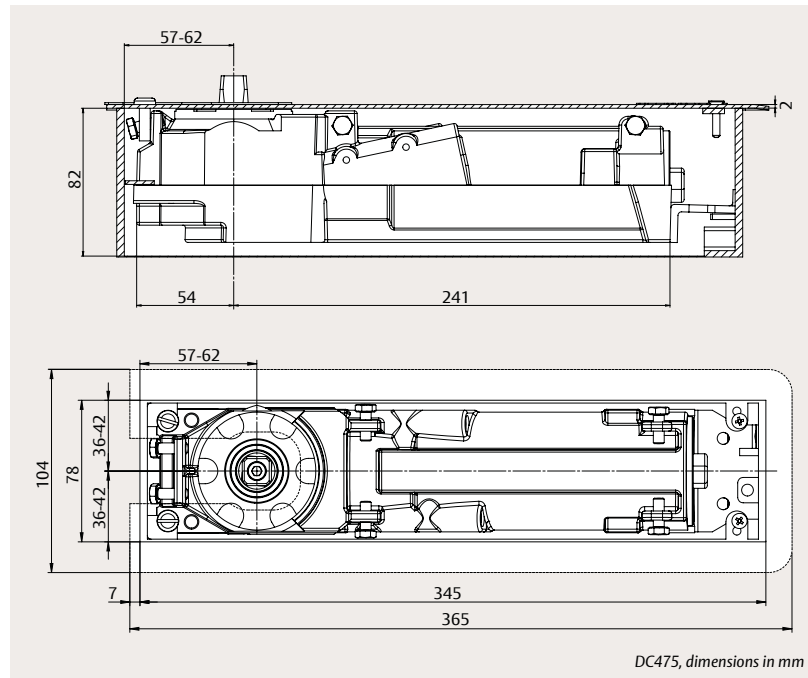
Left-handed doors



Right-handed doors

# DC475

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 3-6
<b>Maximum leaf width</b>	1400 mm
<b>Maximum door weight</b>	300 kg
<b>Closing speed (C)</b>	Variable between 175° and 15° (asymmetric cam 180°)
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Overpressure relief valve</b>	Yes
<b>Hold-open mode</b>	105° / 90° / without hold-open
<b>Maximum opening angle</b>	~175° (asymmetric cam 180°)
<b>Handing</b>	Left- / right-handed or double action
<b>Force adjustment</b>	Yes
<b>Body adjustment within cement box</b>	9 mm vertical 6 mm side 5 mm front 2° angle
<b>Hinge distance</b>	36 – 42 mm
<b>Corrosion resistance</b>	Grade 4 (240 hours)
<b>Dimensions (H x D x L)</b>	82 x 78 x 345 mm



Visit [assaabloy.com](http://assaabloy.com) to download all relevant product literature



### Certification and testing

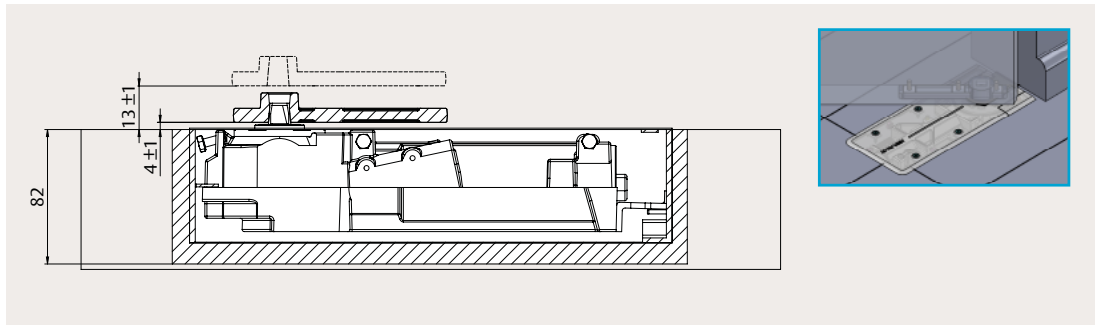
<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	3   8   3-6   1   1   4
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894
<b>Third-party verified EPD</b>	ISO 14025, EN 15804



# DC475

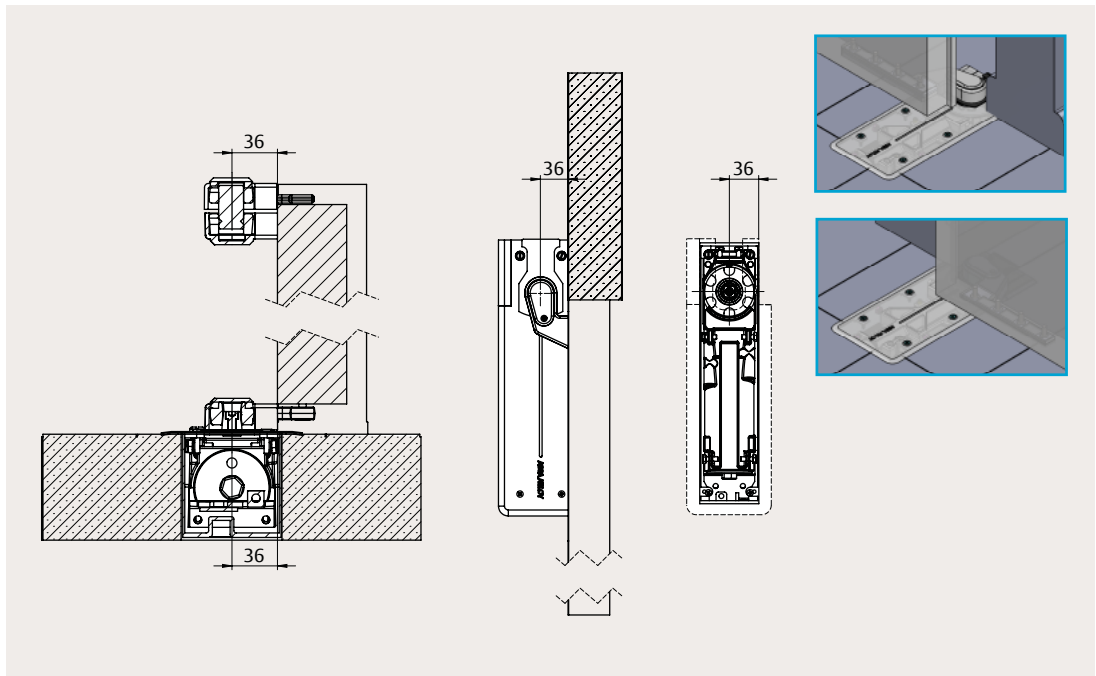
## Mounting dimensions and accessories

### Mounting on double action doors

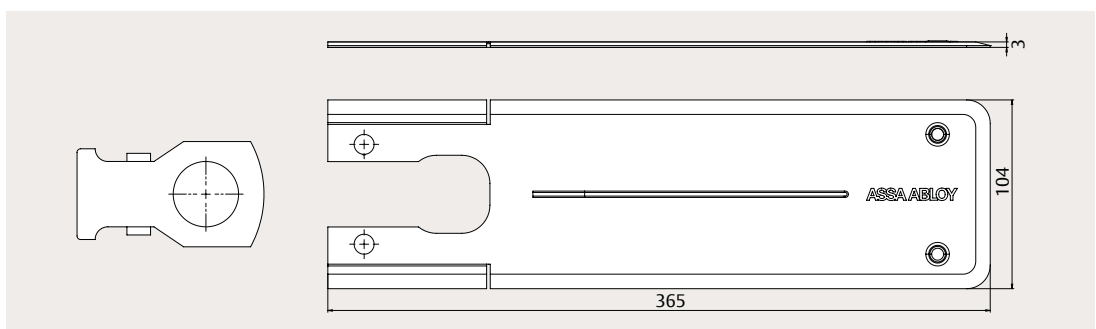


### Mounting on left- / right-handed doors

The drawing illustrates  
installation on left-handed  
doors. For right-handed doors,  
it is the reverse.



### CP269 cover plate for DC475

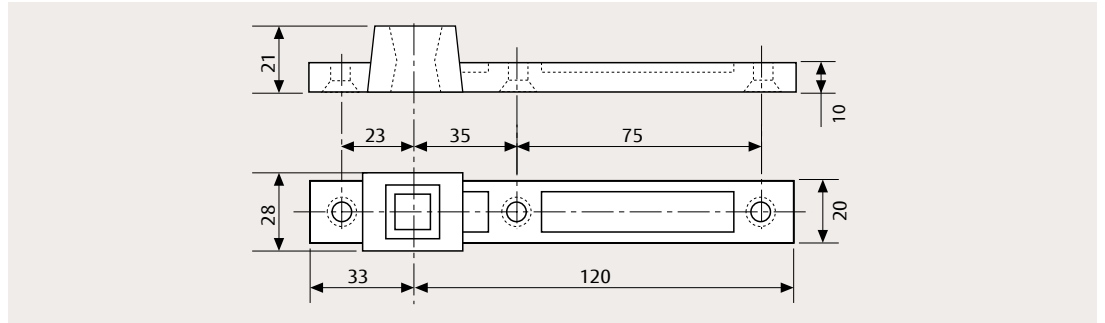


# DC475

## Accessories

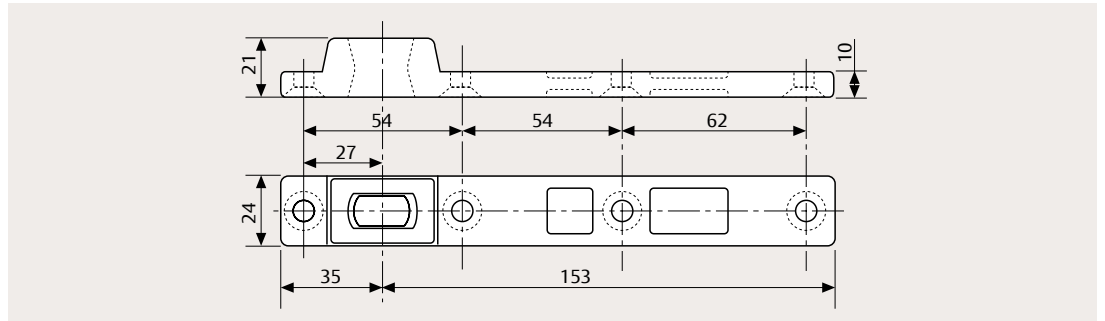
### AC115 reversible bottom arm

for double action doors;  
socket for Italian squared  
spindle



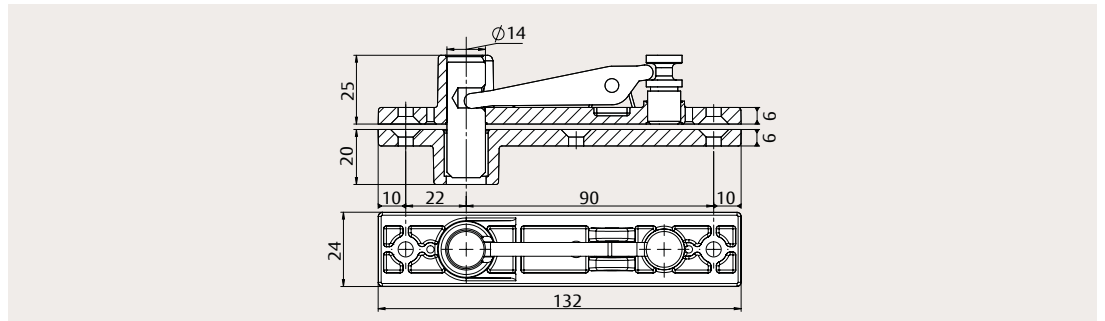
### AC393 reversible bottom arm

for double action doors;  
socket for German  
rectangular spindle



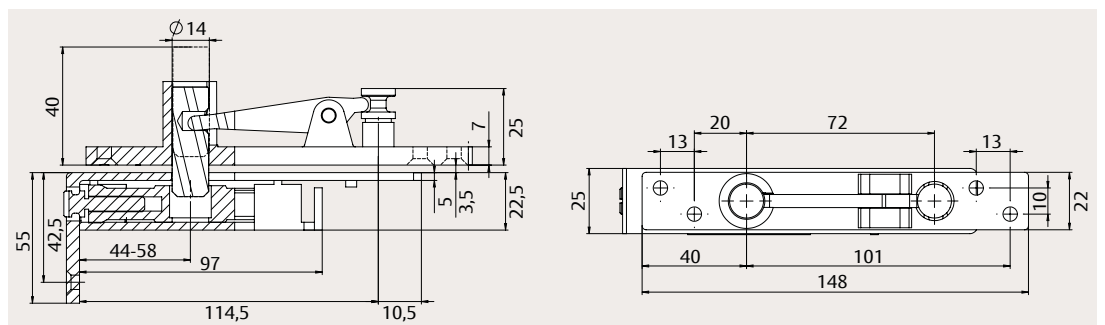
### AC8 top pivot

for double action doors



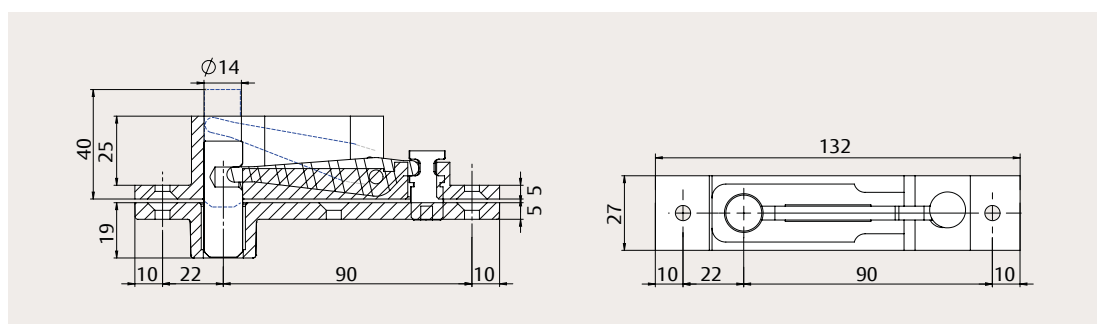
### AC118 top pivot

for double action doors;  
adjustable pivot point



### AC375 top pivot

for double action doors;  
self-lubricating bushing

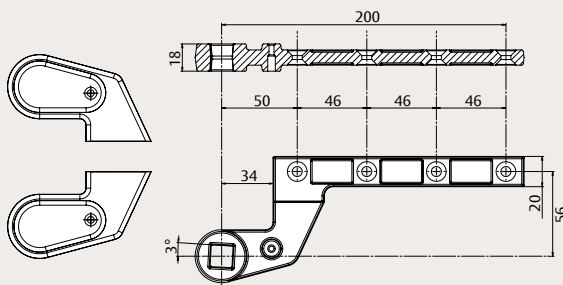


# DC475

## Accessories

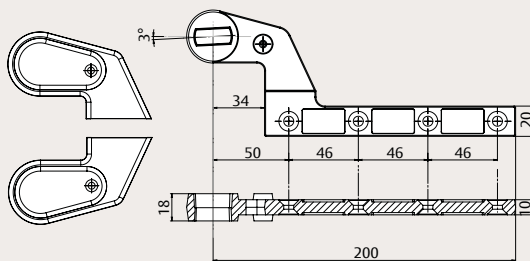
### AC583 right and left bottom arm

for single action doors,  
36 mm offset; socket for  
Italian square spindle



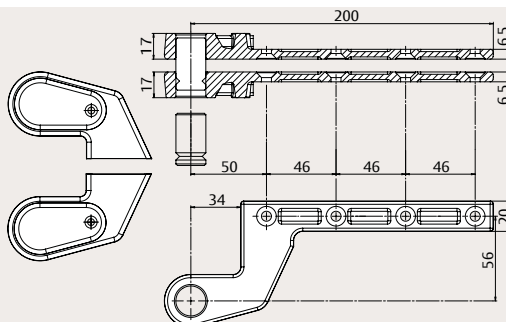
### AC392 right and left bottom arm

for single action doors,  
36 mm offset; socket  
for German rectangular  
spindle



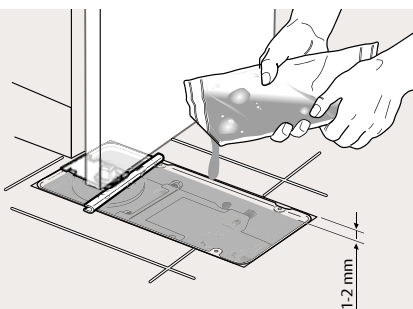
### AC384 right and left top arm

for single action doors,  
36 mm offset



### AC612 sealing compound

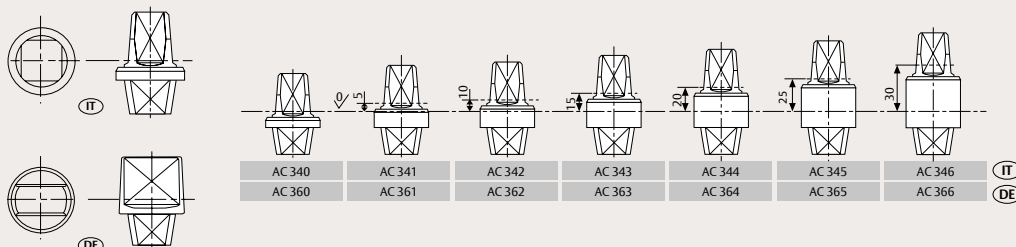
for floor springs



### Detachable spindles

Italian spindle with  
square shape

German spindle with  
flat-conical shape





# DC475

## Order information



### Floor springs

DC475, EN size 3-6, with hold-open at 105°	DC475-----105
DC475, EN size 3-6, with hold-open at 90°	DC475-----90
DC475, EN size 3-6, without hold-open	DC475-----NHO
DC475, EN size 3-6, without hold-open, asymmetric cam, left	DC475AC-R---NHO
DC475, EN size 3-6, without hold-open, asymmetric cam, right	DC475AC-L--NHO

### Cover plates

CP269 cover plate for DC475, polished stainless steel	DCCP269----DPSS
CP269 cover plate for DC475, satin stainless steel	DCCP269----DSSS
CP269 cover plate for DC475, polished brass	DCCP269----DPBR

### Spindles

AC340 detachable Italian spindle, 0 mm, zinc plated	MA0340S0
AC341 detachable Italian spindle, 5 mm, zinc plated	MA0341S0
AC342 detachable Italian spindle, 10 mm, zinc plated	MA0342S0
AC343 detachable Italian spindle, 15 mm, zinc plated	MA0343S0
AC344 detachable Italian spindle, 20 mm, zinc plated	MA0344S0
AC345 detachable Italian spindle, 25 mm, zinc plated	MA0345S0
AC346 detachable Italian spindle, 30 mm, zinc plated	MA0346S0
AC360 detachable German spindle, 0 mm, zinc plated	MA0360S0
AC361 detachable German spindle, 5 mm, zinc plated	MA0361S0
AC362 detachable German spindle, 10 mm, zinc plated	MA0362S0
AC363 detachable German spindle, 15 mm, zinc plated	MA0363S0
AC364 detachable German spindle, 20 mm, zinc plated	MA0364S0
AC365 detachable German spindle, 25 mm, zinc plated	MA0365S0
AC366 detachable German spindle, 30 mm, zinc plated	MA0366S0

### Other accessories

AC115 reversible bottom arm, steel, socket for Italian spindle	MA0115S0
AC393 reversible bottom arm, steel, socket for German spindle	MA0393S0
AC8 double action top pivot	MA0008S0
AC375 double action top pivot, full steel, with self-lubricating bushing	MA0375S0
AC118 double action top pivot, with adjustable pivot point	MA0118S0
AC583 right and left bottom arm, steel, 36 mm offset, socket for Italian spindle, ABS cover silver	DCAC583---DEV1-
AC583 right and left bottom arm, steel, 36 mm offset, socket for Italian spindle, ABS cover black	DCAC583---D9004
AC392 right and left bottom arm, steel, 36 mm offset, socket for German spindle, ABS cover silver	DCAC392---DEV1-
AC392 right and left bottom arm, steel, 36 mm offset, socket for German spindle, ABS cover black	DCAC392---D9004
AC384 right and left top arm, full steel, 36 mm offset, ABS cover silver	DCAC384---DEV1-
AC384 right and left top arm, full steel, 36 mm offset, ABS cover black	DCAC384---9004
AC612 sealing compound for floor springs	MA0612S0

DC475



CP269, polished steel



CP269, satin steel



CP269, polished brass



AC340



AC360



AC115



AC393



AC375



AC118



AC583, silver



AC583, black



AC392, silver



AC392, black



## DC477

### Floor spring with Cam-Motion® technology for single and double action doors, size 2-4



DC477 with Italian spindle, satin stainless steel

Cam-Motion®  
technology creates  
rapidly decreasing  
opening force without  
losing fire or smoke  
protection compliance

The DC477 with adjustable closing force is suitable for heavy doors. Balancing building design and accessibility, ASSA ABLOY floor springs are minimal on the outside and powerful on the inside – ideal for double action doors made of any material, even glass. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort.

- Certified in compliance with EN 1154, size 2-4
- Suitable for fire and smoke protection doors (not for hold-open variants)
- For single and double action doors up to 1100 mm width and 170 kg weight
- Barrier-free according to CEN/TR 15894

#### Cover plate finishes

- Polished stainless steel
- Satin stainless steel
- Polished brass

#### Features

- Premium construction provides double the industry standard for durability (over 1.000,000 test cycles)
- Hydraulic control from 140° in both door swing directions allows for smooth and controlled door operation
- Closing and latch speeds can be raised and lowered independently
- Overpressure relief valve protects the floor spring from misuse
- Zinc plated cement box allows for large adjustment range to fix any alignment problems without taking down the door
- Detachable spindle in different lengths (0-30 mm) and variants allows flexible installation
- Consistent performance in a wide range of temperatures

#### Product variants

- Hold-open at 105° (cannot be used on fire doors)
- Hold-open at 90° (cannot be used on fire doors)
- Without hold-open

#### Accessories

- **AC115** reversible bottom arm, Italian spindle
- **AC393** reversible bottom arm, German spindle
- **AC8** double action top pivot
- **AC118** double action top pivot, adjustable pivot point
- **AC375** double action top pivot, full steel, self-lubricating bushing
- **AC583** right and left bottom arm, socket for Italian square spindle
- **AC392** right and left bottom arm, socket for German rectangular spindle
- **AC384** top pivot for left- or right-handed doors
- **AC612** sealing compound for floor springs
- **CP534** cover plate

#### Versatile applications



Double action doors



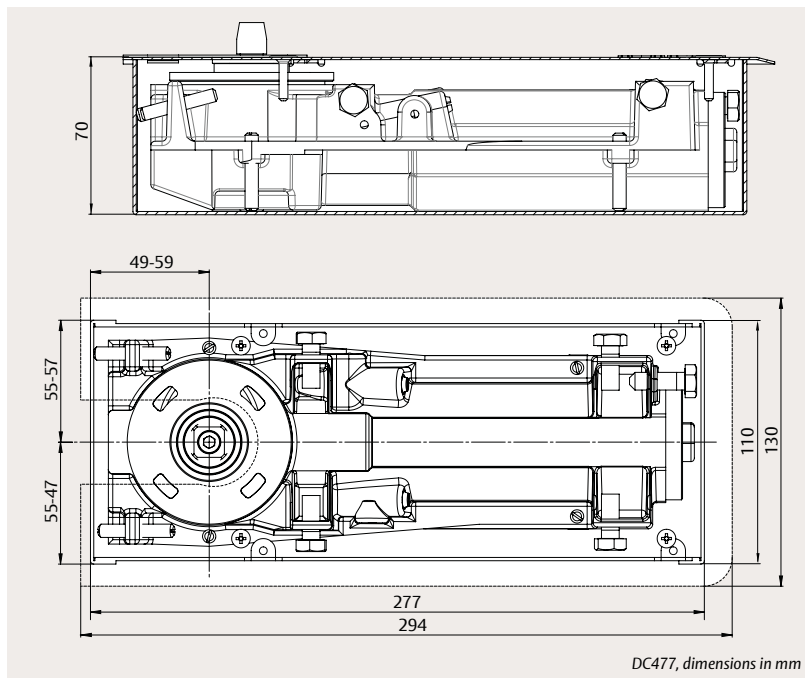
Left-handed doors



Right-handed doors

# DC477

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 2-4
<b>Maximum leaf width</b>	1100 mm
<b>Maximum door weight</b>	170 kg
<b>Closing speed (C)</b>	Variable between 140° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Overpressure relief valve</b>	Yes
<b>Hold-open mode</b>	105° / 90° / without hold-open
<b>Maximum opening angle</b>	~140°
<b>Handing</b>	Left- / right-handed or double action
<b>Force adjustment</b>	Yes
<b>Body adjustment within cement box</b>	9 mm vertical 4 mm side 10 mm front 4° angle
<b>Hinge distance</b>	55 – 57 mm
<b>Corrosion resistance</b>	Grade 4 (240 hours)
<b>Dimensions (H x D x L)</b>	70 x 110 x 277 mm



Visit [assaabloy.com](http://assaabloy.com) to download all relevant product literature



### Certification and testing

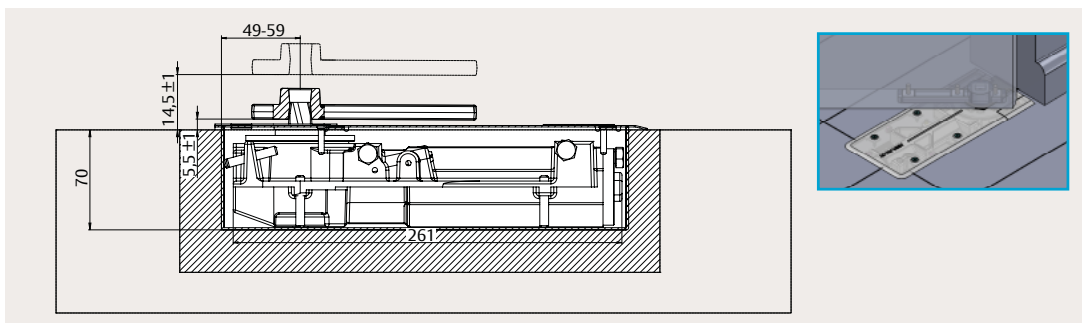
<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	3   8   2-4   1   1   4
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894
<b>Third-party verified EPD</b>	ISO 14025, EN 15804



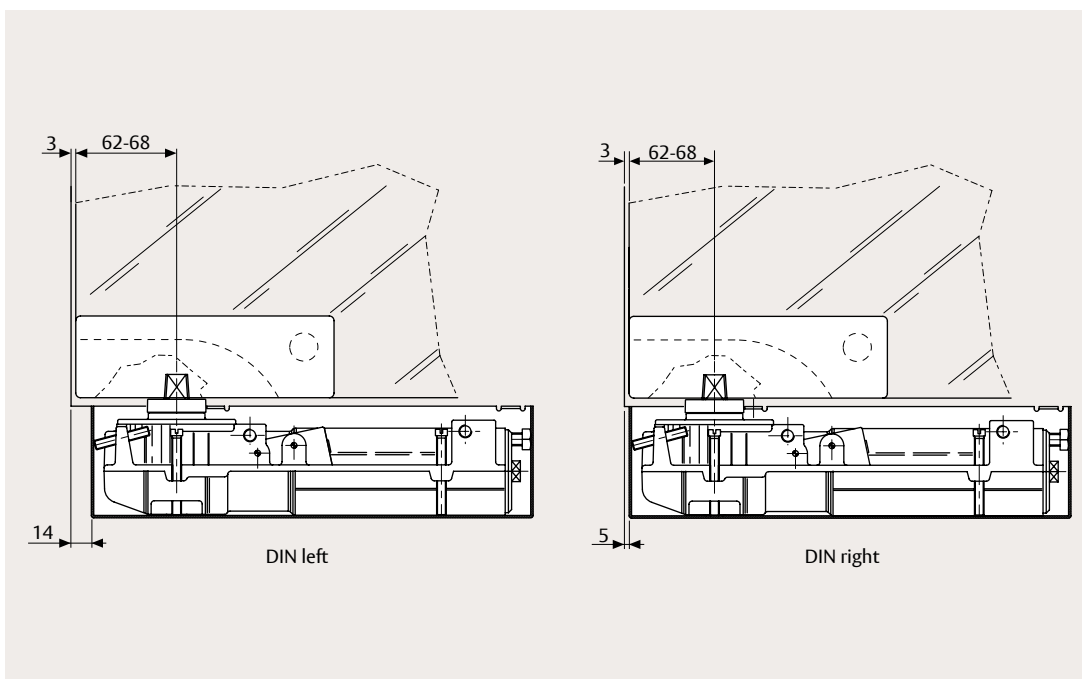
## DC477

### Mounting dimensions and accessories

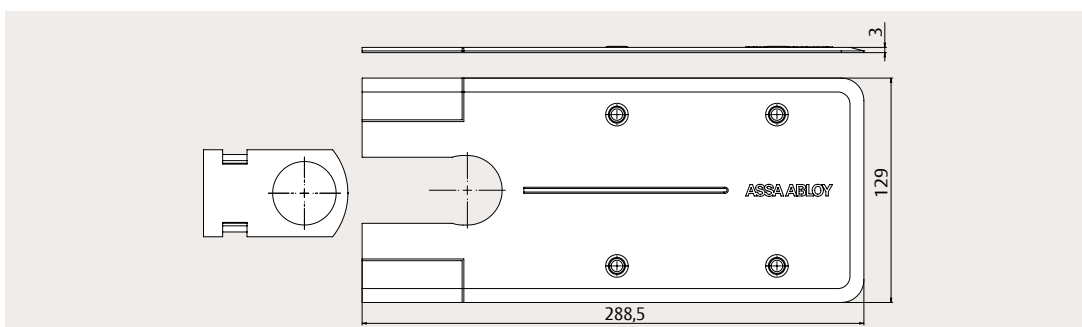
#### Mounting on double action doors



#### Mounting on left- / right-handed doors with patch fitting V500 bottom hinge for centre-hung doors



#### CP534 cover plate for DC477

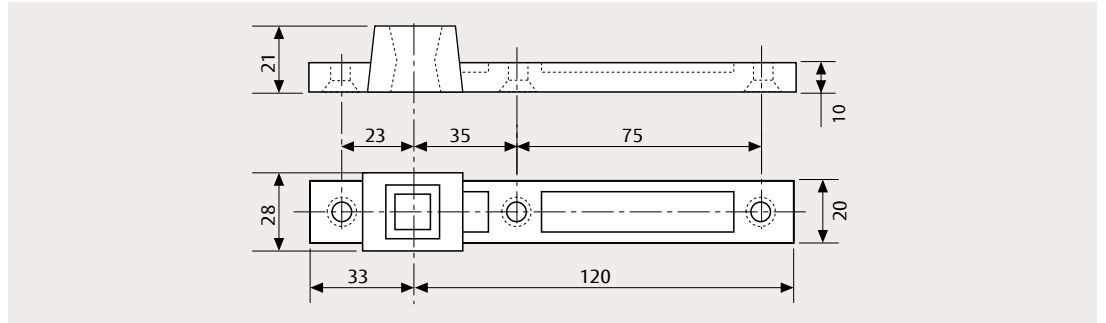


# DC477

## Accessories

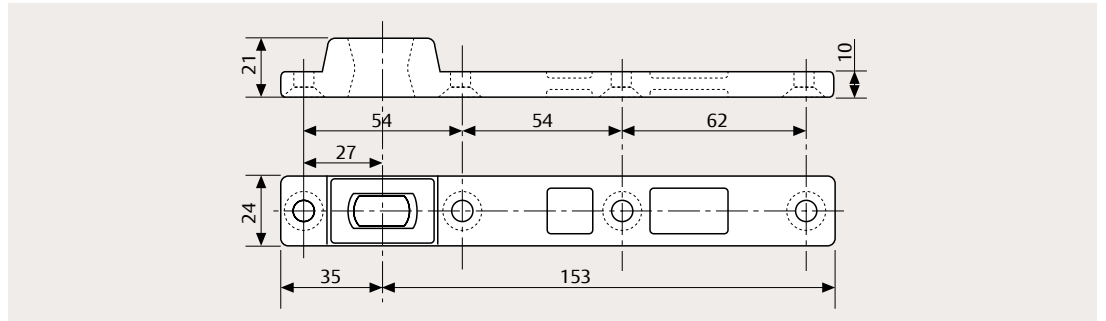
### AC115 reversible bottom arm

for double action doors;  
socket for Italian squared  
spindle



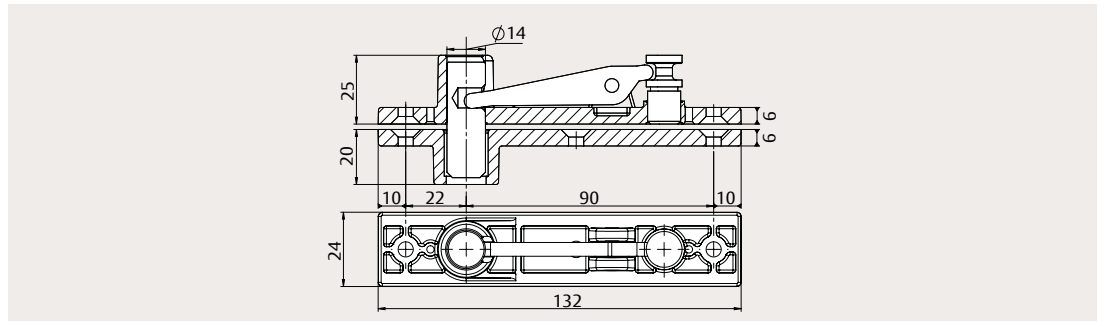
### AC393 reversible bottom arm

for double action doors;  
socket for German  
rectangular spindle



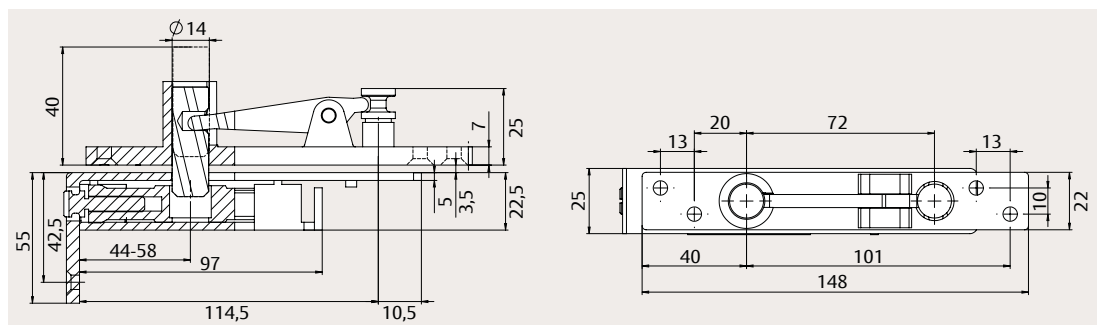
### AC8 top pivot

for double action doors



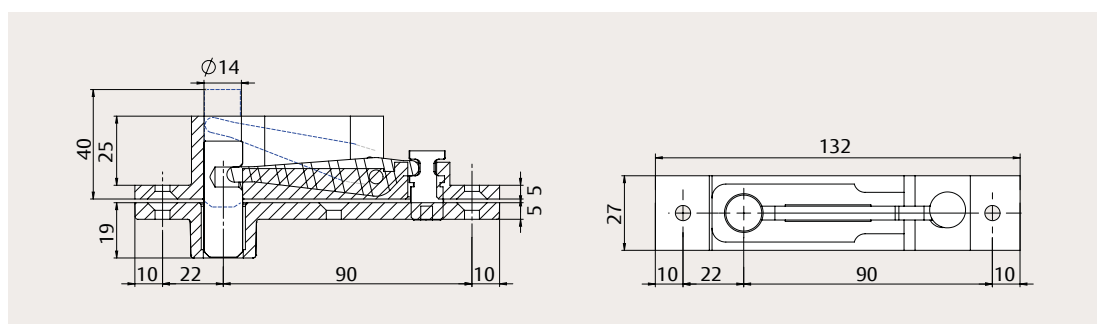
### AC118 top pivot

for double action doors;  
adjustable pivot point



### AC375 top pivot

for double action doors;  
self-lubricating bushing

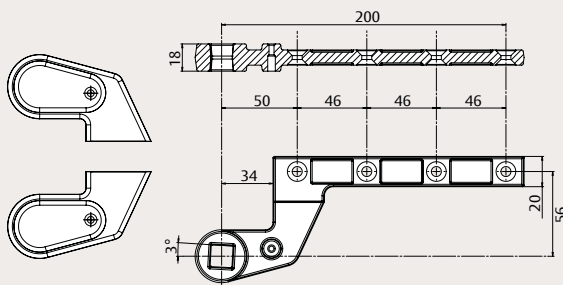


# DC477

## Accessories

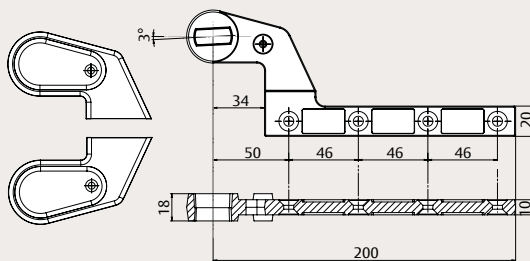
### AC583 right and left bottom arm

for single action doors,  
36 mm offset; socket for  
Italian square spindle



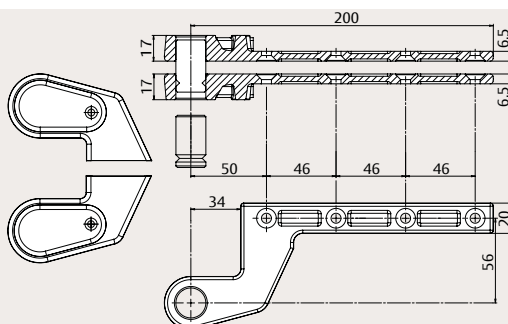
### AC392 right and left bottom arm

for single action doors,  
36 mm offset; socket  
for German rectangular  
spindle



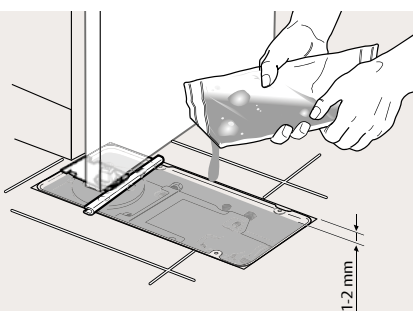
### AC384 right and left top arm

for single action doors,  
36 mm offset



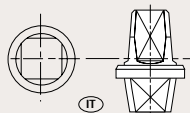
### AC612 sealing compound

for floor springs

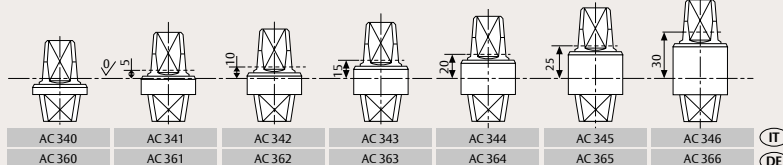
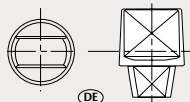


### Detachable spindles

Italian spindle with  
square shape



German spindle with  
flat-conical shape



# DC477

## Order information

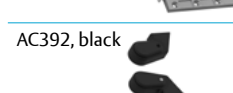
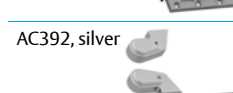
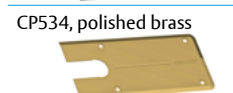
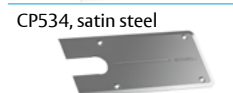
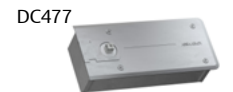


Floor springs	
DC477, EN size 2-4, with hold-open at 105°	DC477-----105
DC477, EN size 2-4, with hold-open at 90°	DC477-----90
DC477, EN size 2-4, without hold-open	DC477-----NHO

Cover plates	
CP534 cover plate for DC477, polished stainless steel	DCCP534----DPSS
CP534 cover plate for DC477, satin stainless steel	DCCP534----DSSS
CP534 cover plate for DC477, polished brass	DCCP534----DPBR

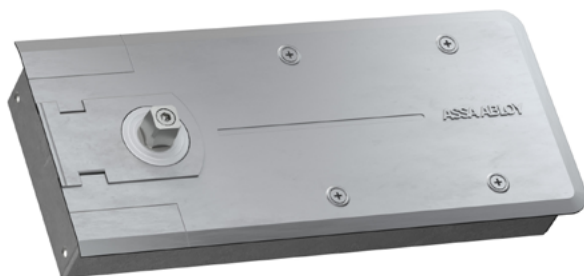
Spindles	
AC340 detachable Italian spindle, 0 mm, zinc plated	MA0340S0
AC341 detachable Italian spindle, 5 mm, zinc plated	MA0341S0
AC342 detachable Italian spindle, 10 mm, zinc plated	MA0342S0
AC343 detachable Italian spindle, 15 mm, zinc plated	MA0343S0
AC344 detachable Italian spindle, 20 mm, zinc plated	MA0344S0
AC345 detachable Italian spindle, 25 mm, zinc plated	MA0345S0
AC346 detachable Italian spindle, 30 mm, zinc plated	MA0346S0
AC360 detachable German spindle, 0 mm, zinc plated	MA0360S0
AC361 detachable German spindle, 5 mm, zinc plated	MA0361S0
AC362 detachable German spindle, 10 mm, zinc plated	MA0362S0
AC363 detachable German spindle, 15 mm, zinc plated	MA0363S0
AC364 detachable German spindle, 20 mm, zinc plated	MA0364S0
AC365 detachable German spindle, 25 mm, zinc plated	MA0365S0
AC366 detachable German spindle, 30 mm, zinc plated	MA0366S0

Other accessories	
AC115 reversible bottom arm, steel, socket for Italian spindle	MA0115S0
AC393 reversible bottom arm, steel, socket for German spindle	MA0393S0
AC8 double action top pivot	MA0008S0
AC375 double action top pivot, full steel, with self-lubricating bushing	MA0375S0
AC118 double action top pivot, with adjustable pivot point	MA0118S0
AC583 right and left bottom arm, steel, 36 mm offset, socket for Italian spindle, ABS cover silver	DCAC583---DEV1-
AC583 right and left bottom arm, steel, 36 mm offset, socket for Italian spindle, ABS cover black	DCAC583---D9004
AC392 right and left bottom arm, steel, 36 mm offset, socket for German spindle, ABS cover silver	DCAC392---DEV1-
AC392 right and left bottom arm, steel, 36 mm offset, socket for German spindle, ABS cover black	DCAC392---D9004
AC384 right and left top arm, full steel, 36 mm offset, ABS cover silver	DCAC384---DEV1-
AC384 right and left top arm, full steel, 36 mm offset, ABS cover black	DCAC384---9004
AC612 sealing compound for floor springs	MA0612S0



## DC450EA

Floor spring with Cam-Motion® technology  
for single and double action doors, size 2/3/4



DC450EA with Italian spindle, satin stainless steel

Cam-Motion®  
technology creates  
rapidly decreasing  
opening force without  
losing fire or smoke  
protection compliance

The DC450EA with fixed closing force is suitable for shallow applications. Balancing building design and accessibility, ASSA ABLOY floor springs are minimal on the outside and powerful on the inside – ideal for double action doors made of any material, even glass. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort.

- Certified in compliance with EN 1154, size 2/3/4
- Suitable for fire and smoke protection doors (not for hold-open variants)
- For single and double action doors up to 1100 mm width and 120 kg weight
- Barrier-free according to CEN/TR 15894

### Cover plate finishes

- Polished stainless steel
- Satin stainless steel

### Features

- Premium construction provides double the industry standard for durability (over 1.000.000 test cycles)
- Hydraulic control from 170° in both door swing directions allows for smooth and controlled door operation
- Closing and latch speeds can be raised and lowered independently
- Zinc plated cement box (only 40 mm high) allows for large adjustment range to fix any alignment problems without taking down the door
- Detachable spindle in different lengths (0-30 mm) and variants allows flexible installation
- Same dimensions for EN2, EN3 and EN4 products simplifies replacement
- Consistent performance in a wide range of temperatures

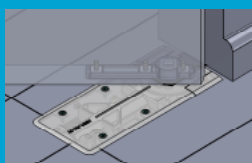
### Product variants

- Hold-open at 105° (cannot be used on fire doors)
- Hold-open at 90° (cannot be used on fire doors)
- Without hold-open

### Accessories

- **AC115** reversible bottom arm, Italian spindle
- **AC393** reversible bottom arm, German spindle
- **AC8** double action top pivot
- **AC118** double action top pivot, adjustable pivot point
- **AC375** double action top pivot, full steel, self-lubricating bushing
- **AC583** right and left bottom arm, socket for Italian square spindle
- **AC392** right and left bottom arm, socket for German rectangular spindle
- **AC384** top pivot for left- or right-handed doors
- **AC612** sealing compound for floor springs
- **CP308** cover plate retrofit kit for DC460
- **CP619** cover plate

### Versatile applications



Double action doors



Left-handed doors

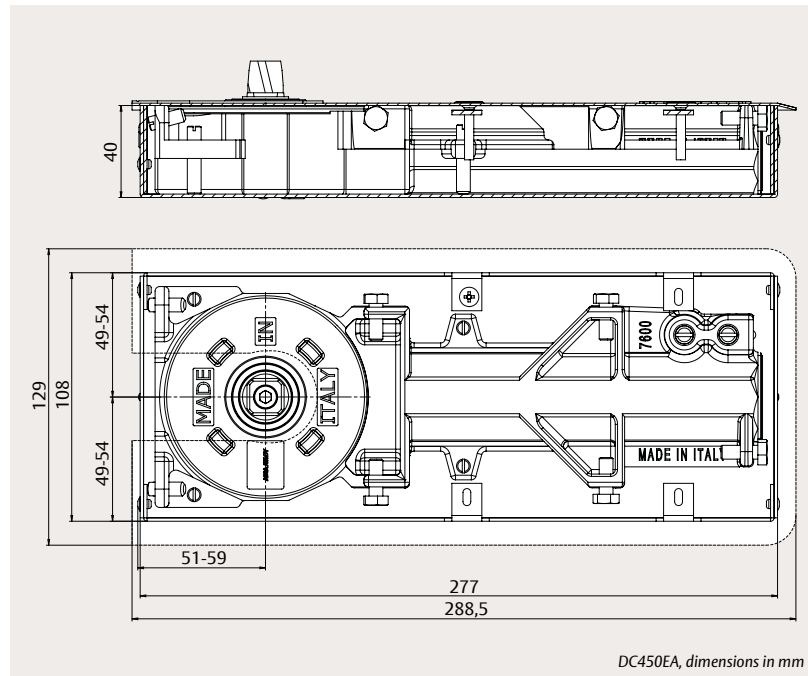


Right-handed doors



# DC450EA

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 2/3/4
<b>Maximum leaf width</b>	850 mm / 950 mm / 1100 mm
<b>Maximum door weight</b>	120 kg
<b>Closing speed (C)</b>	Variable between 170° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Hold-open mode</b>	105° / 90° / without hold-open
<b>Maximum opening angle</b>	~170°
<b>Handing</b>	Left- / right-handed or double action
<b>Force adjustment</b>	No
<b>Body adjustment within cement box</b>	2 mm vertical 6 mm side 7 mm front 4° angle
<b>Hinge distance</b>	49 – 54 mm
<b>Corrosion resistance</b>	Grade 4 (240 hours)
<b>Dimensions (H x D x L)</b>	40 x 108 x 277 mm



Visit [assaabloy.com](http://assaabloy.com) to download all relevant product literature



### Certification and testing

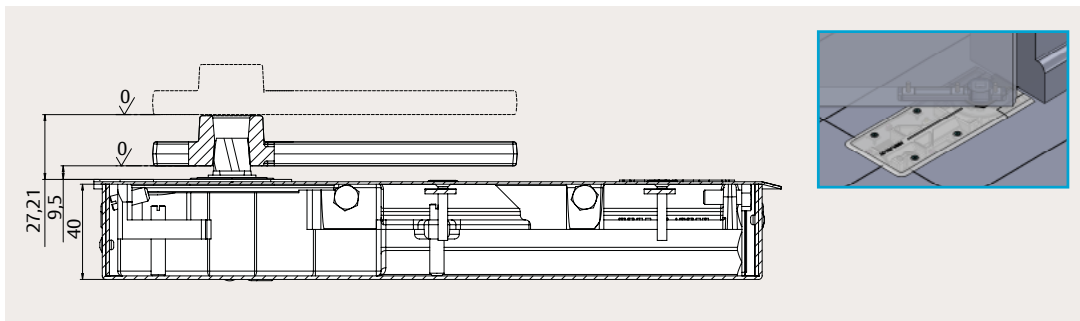
<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	3   8   2/3/4   1   1   4
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes (≥EN3)
<b>Barrier-free according to</b>	CEN/TR 15894
<b>Third-party verified EPD</b>	ISO 14025, EN 15804



# DC450EA

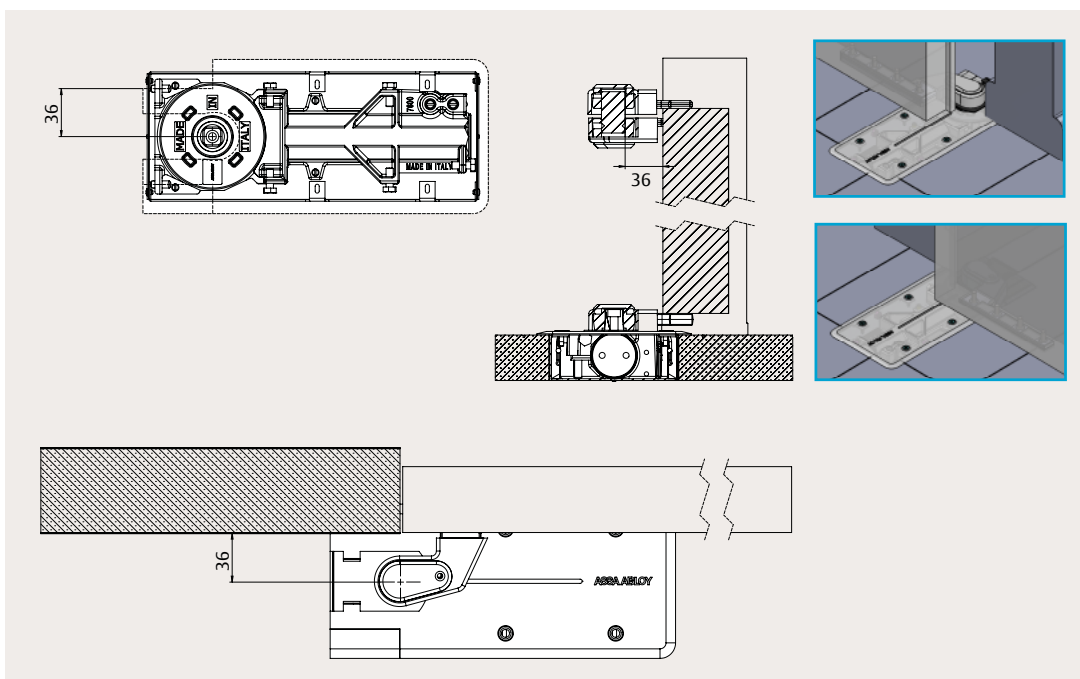
## Mounting dimensions and accessories

### Mounting on double action doors

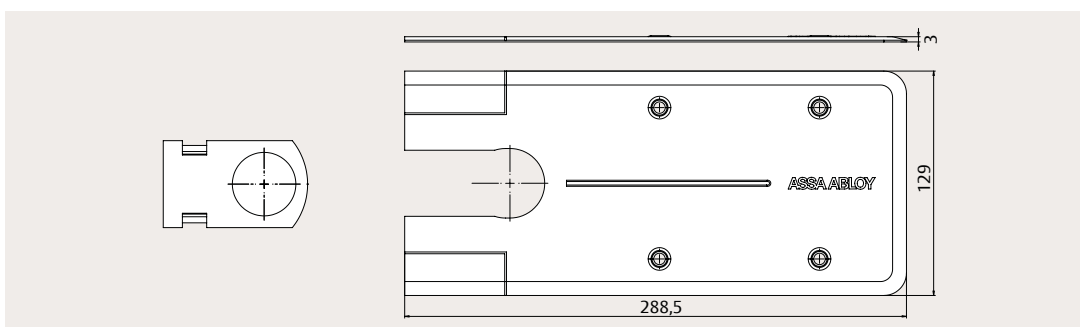


### Mounting on left- / right-handed doors

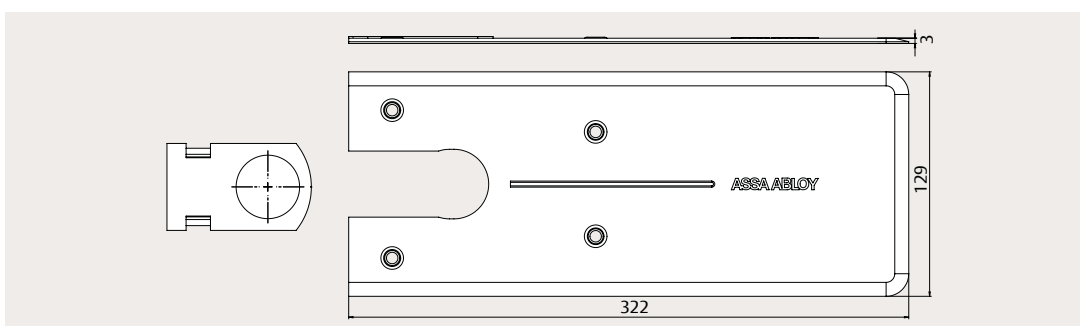
The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.



### CP619 cover plate for DC450



### CP308 cover plate for DC460 retrofit

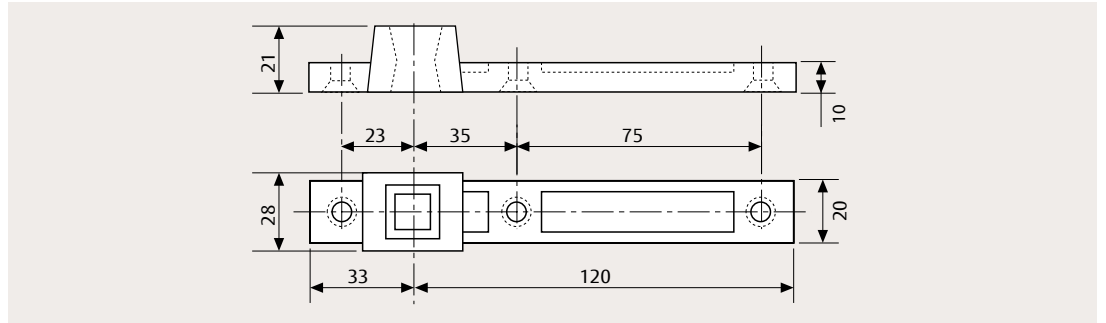


# DC450EA

## Accessories

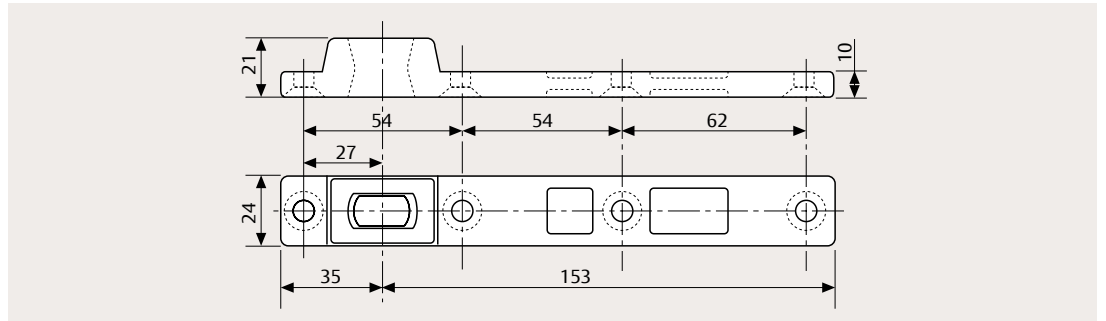
### AC115 reversible bottom arm

for double action doors;  
socket for Italian squared  
spindle



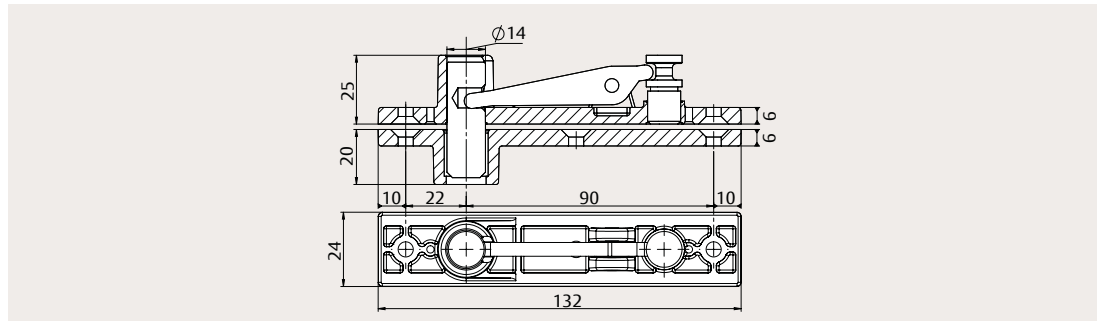
### AC393 reversible bottom arm

for double action doors;  
socket for German  
rectangular spindle



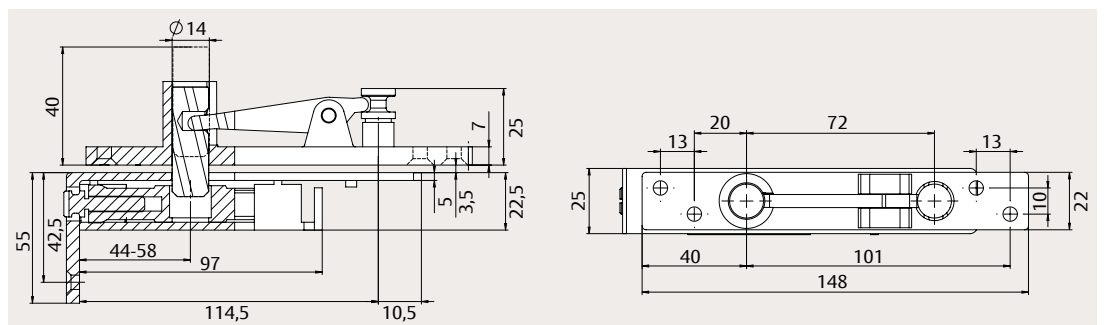
### AC8 top pivot

for double action doors



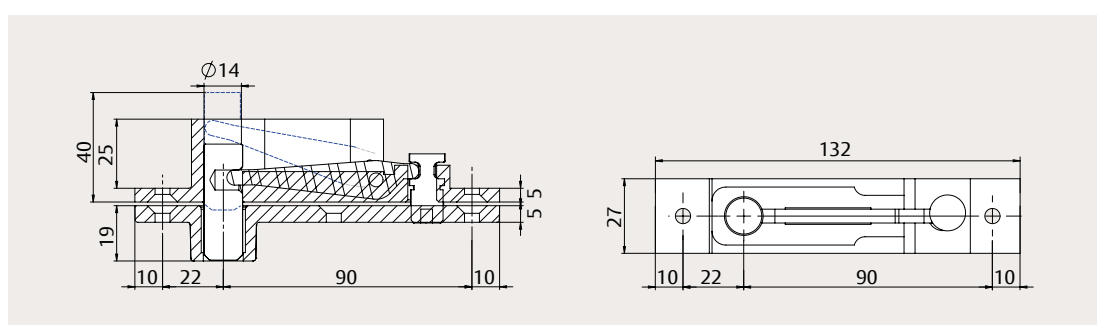
### AC118 top pivot

for double action doors;  
adjustable pivot point



### AC375 top pivot

for double action doors;  
self-lubricating bushing

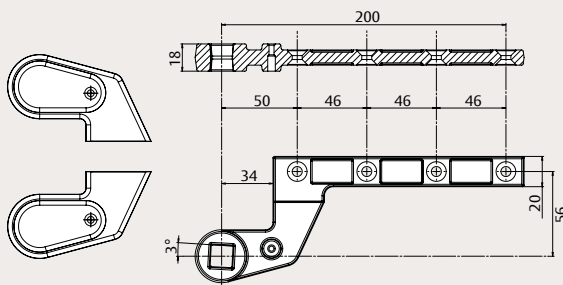


# DC450EA

## Accessories

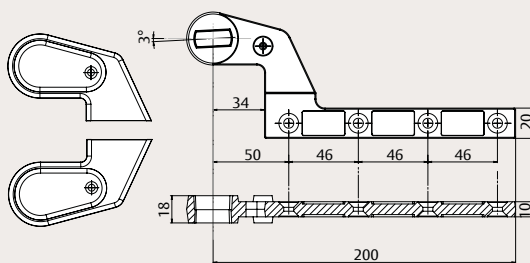
### AC583 right and left bottom arm

for single action doors,  
36 mm offset; socket for  
Italian square spindle



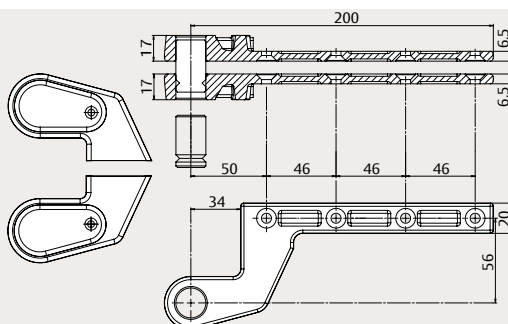
### AC392 right and left bottom arm

for single action doors,  
36 mm offset; socket  
for German rectangular  
spindle



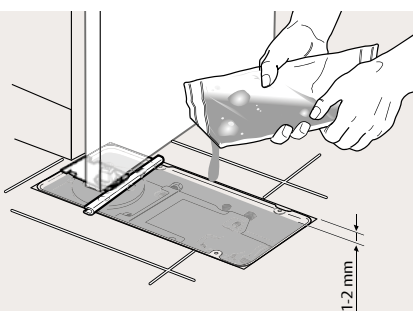
### AC384 right and left top arm

for single action doors,  
36 mm offset



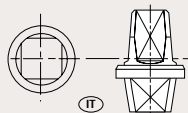
### AC612 sealing compound

for floor springs

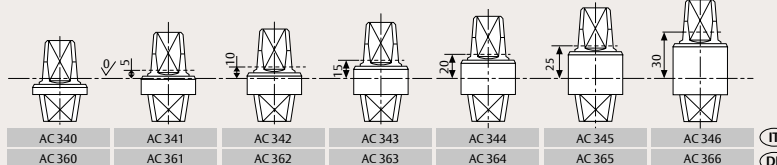
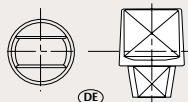


### Detachable spindles

Italian spindle with  
square shape



German spindle with  
flat-conical shape



## DC450EA

## Order information



## Floor springs

DC450EA, EN size 2, with hold-open at 105°	DC450EA---2-105
DC450EA, EN size 2, with hold-open at 90°	DC450EA---2--90
DC450EA, EN size 2, without hold-open	DC450EA---2-NHO
DC450EA, EN size 3, with hold-open at 105°	DC450EA---3-105
DC450EA, EN size 3, with hold-open at 90°	DC450EA---3--90
DC450EA, EN size 3, without hold-open	DC450EA---3-NHO
DC450EA, EN size 4, with hold-open at 105°	DC450EA---4-105
DC450EA, EN size 4, with hold-open at 90°	DC450EA---4--90
DC450EA, EN size 4, without hold-open	DC450EA---4-NHO

## Cover plates

CP619 cover plate for DC450EA, polished stainless steel	DCCP619-----PSS
CP619 cover plate for DC450EA, satin stainless steel	DCCP619-----SSS
CP308 cover plate retrofit kit for DC460, satin stainless steel	DCCP308----DSSS
CP308 cover plate retrofit kit for DC460, polished stainless steel	DCCP308----DPSS

## Spindles

AC340 detachable Italian spindle, 0 mm, zinc plated	MA0340S0
AC341 detachable Italian spindle, 5 mm, zinc plated	MA0341S0
AC342 detachable Italian spindle, 10 mm, zinc plated	MA0342S0
AC343 detachable Italian spindle, 15 mm, zinc plated	MA0343S0
AC344 detachable Italian spindle, 20 mm, zinc plated	MA0344S0
AC345 detachable Italian spindle, 25 mm, zinc plated	MA0345S0
AC346 detachable Italian spindle, 30 mm, zinc plated	MA0346S0
AC360 detachable German spindle, 0 mm, zinc plated	MA0360S0
AC361 detachable German spindle, 5 mm, zinc plated	MA0361S0
AC362 detachable German spindle, 10 mm, zinc plated	MA0362S0
AC363 detachable German spindle, 15 mm, zinc plated	MA0363S0
AC364 detachable German spindle, 20 mm, zinc plated	MA0364S0
AC365 detachable German spindle, 25 mm, zinc plated	MA0365S0
AC366 detachable German spindle, 30 mm, zinc plated	MA0366S0

## Other accessories

AC115 reversible bottom arm, steel, socket for Italian spindle	MA0115S0
AC393 reversible bottom arm, steel, socket for German spindle	MA0393S0
AC8 double action top pivot	MA0008S0
AC375 double action top pivot, full steel, with self-lubricating bushing	MA0375S0
AC118 double action top pivot, with adjustable pivot point	MA0118S0
AC583 right and left bottom arm, steel, 36 mm offset, socket for Italian spindle, ABS cover silver	DCAC583---DEV1-
AC583 right and left bottom arm, steel, 36 mm offset, socket for Italian spindle, ABS cover black	DCAC583---D9004
AC392 right and left bottom arm, steel, 36 mm offset, socket for German spindle, ABS cover silver	DCAC392---DEV1-
AC392 right and left bottom arm, steel, 36 mm offset, socket for German spindle, ABS cover black	DCAC392---D9004
AC384 right and left top arm, full steel, 36 mm offset, ABS cover silver	DCAC384---DEV1-
AC384 right and left top arm, full steel, 36 mm offset, ABS cover black	DCAC384---9004
AC612 sealing compound for floor springs	MA0612S0

DC450EA



CP619, polished



CP619, satin



CP308, polished



CP308, satin



AC340



AC360



AC115



AC393



AC375



AC118



AC583, silver



AC583, black



AC392, silver



AC392, black



## DC450

Floor spring with Cam-Motion® technology  
for single and double action doors, size 3/4



DC450 with Italian spindle, satin stainless steel

Cam-Motion®  
technology creates  
rapidly decreasing  
opening force without  
losing fire or smoke  
protection compliance

The DC450 with fixed closing force is suitable for shallow applications. Balancing building design and accessibility, ASSA ABLOY floor springs are minimal on the outside and powerful on the inside – ideal for double action doors made of any material, even glass. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort.

- Certified in compliance with EN 1154, size 3/4
- Suitable for fire and smoke protection doors (not for hold-open variants)
- For single and double action doors up to 1100 mm width and 120 kg weight
- Barrier-free according to CEN/TR 15894

### Cover plate finishes

- Polished stainless steel
- Satin stainless steel

### Features

- Hydraulic control from 130° in both door swing directions allows for smooth and controlled door operation
- Closing and latch speeds can be raised and lowered independently
- Zinc plated cement box (only 40 mm high) allows for large adjustment range to fix any alignment problems without taking down the door
- Detachable spindle in different lengths (0-30 mm) and variants allows flexible installation
- Same dimensions for EN3 and EN4 products simplifies replacement
- Consistent performance in a wide range of temperatures

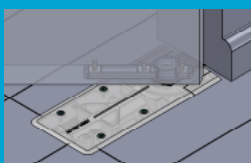
### Product variants

- Hold-open at 105° (cannot be used on fire doors)
- Hold-open at 90° (cannot be used on fire doors)
- Without hold-open

### Accessories

- **AC115** reversible bottom arm, Italian spindle
- **AC393** reversible bottom arm, German spindle
- **AC8** double action top pivot
- **AC118** double action top pivot, adjustable pivot point
- **AC375** double action top pivot, full steel, self-lubricating bushing
- **AC583** right and left bottom arm, socket for Italian square spindle
- **AC392** right and left bottom arm, socket for German rectangular spindle
- **AC384** top pivot for left- or right-handed doors
- **AC612** sealing compound for floor springs
- **CP619** cover plate

### Versatile applications



Double action doors



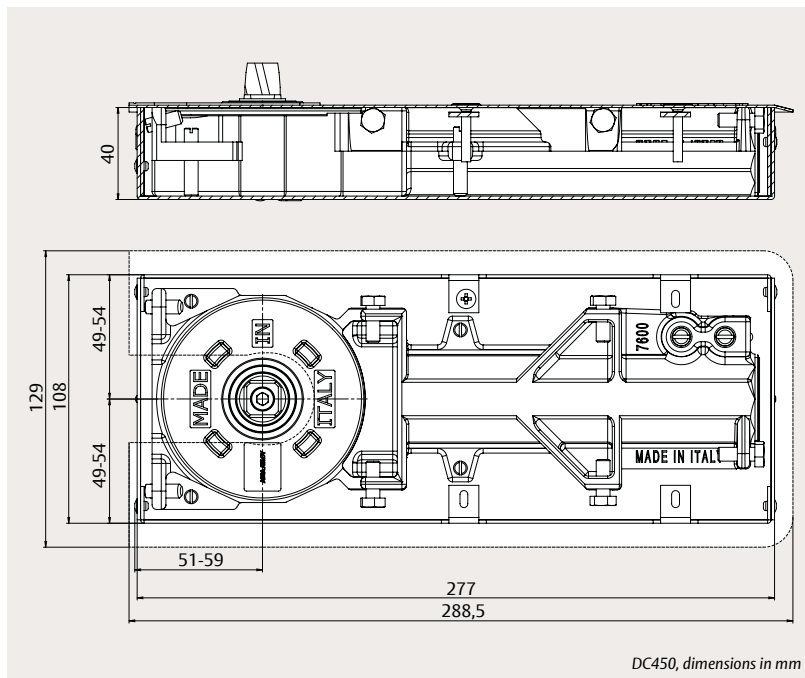
Left-handed doors



Right-handed doors

# DC450

## Technical attributes and certification



### Technical attributes

<b>Closing force</b>	EN size 3/4
<b>Maximum leaf width</b>	950 mm / 1100 mm
<b>Maximum door weight</b>	120 kg
<b>Closing speed (C)</b>	Variable between 130° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Hold-open mode</b>	105° / 90° / without hold-open
<b>Maximum opening angle</b>	~130°
<b>Handing</b>	Left- / right-handed or double action
<b>Force adjustment</b>	No
<b>Body adjustment within cement box</b>	2 mm vertical 10 mm side 7 mm front 2° angle
<b>Hinge distance</b>	49 – 54 mm
<b>Corrosion resistance</b>	Grade 4 (240 hours)
<b>Dimensions (H x D x L)</b>	40 x 108 x 277 mm



Visit [assaabloy.com](http://assaabloy.com) to download all relevant product literature



### Certification and testing

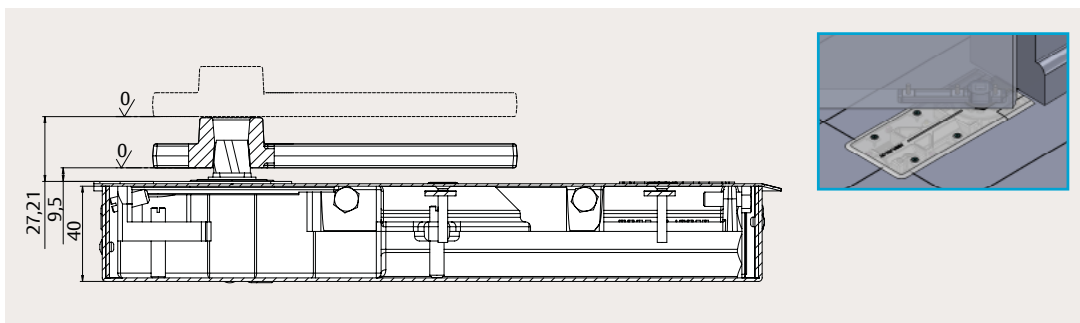
<b>Certified in compliance with</b>	EN 1154
<b>CE classification</b>	3   8   3/4   1   1   4
<b>CE / UKCA mark</b>	Yes
<b>Suitable for fire and smoke protection doors</b>	Yes
<b>Barrier-free according to</b>	CEN/TR 15894
<b>Third-party verified EPD</b>	ISO 14025, EN 15804



## DC450

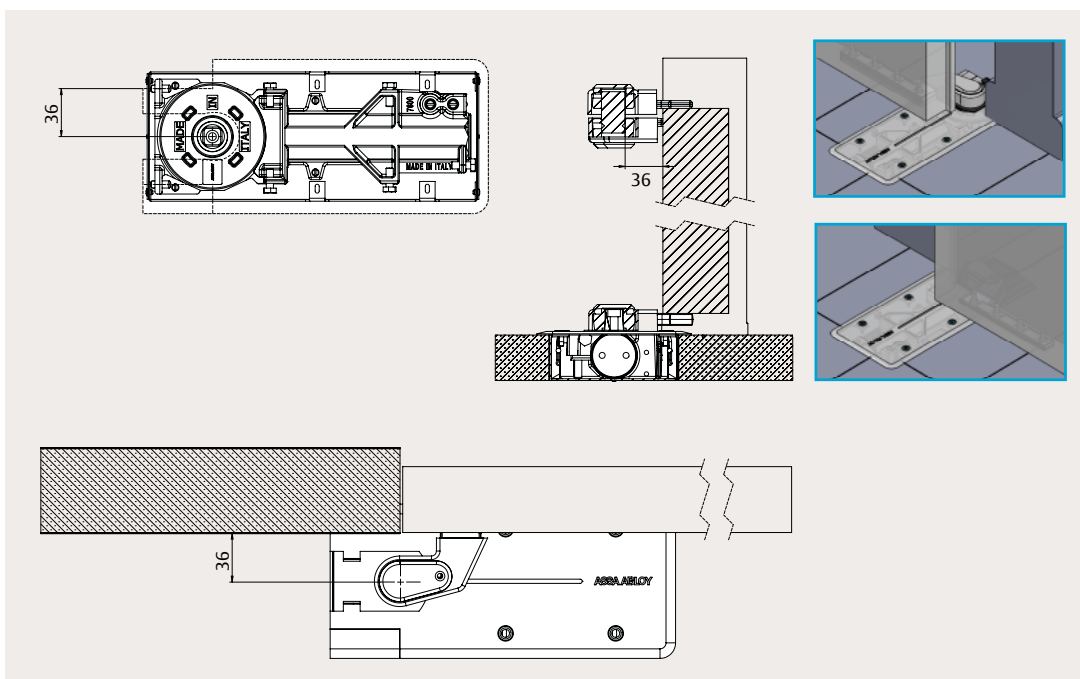
### Mounting dimensions and accessories

#### Mounting on double action doors

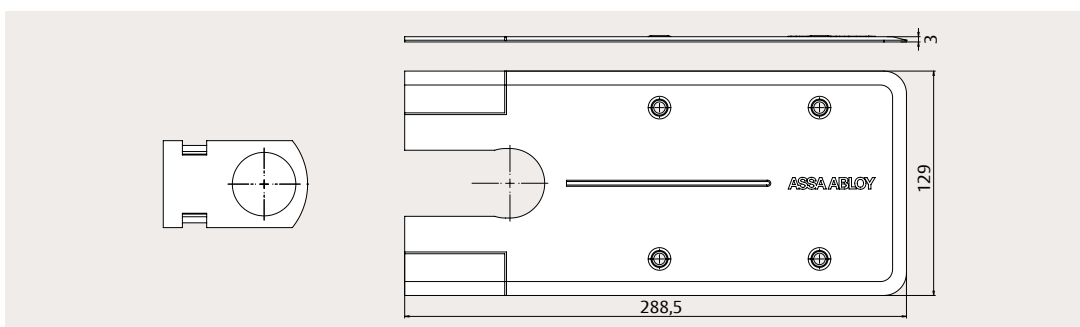


#### Mounting on left- / right-handed doors

The drawing illustrates  
installation on left-handed  
doors. For right-handed doors,  
it is the reverse.



#### CP619 cover plate for DC450



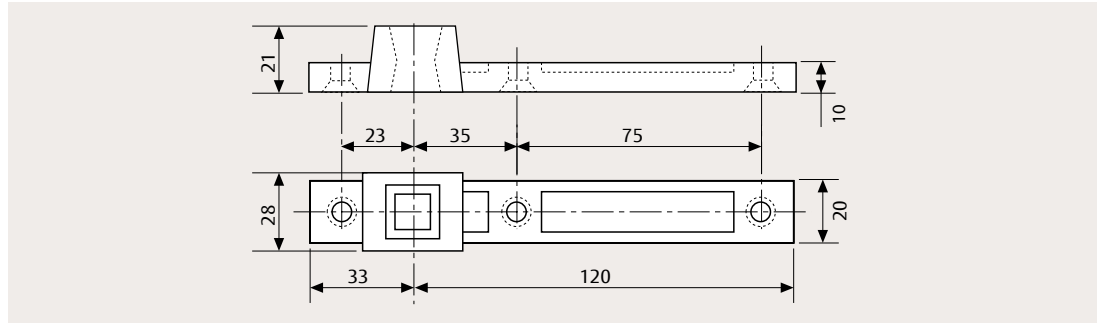


# DC450

## Accessories

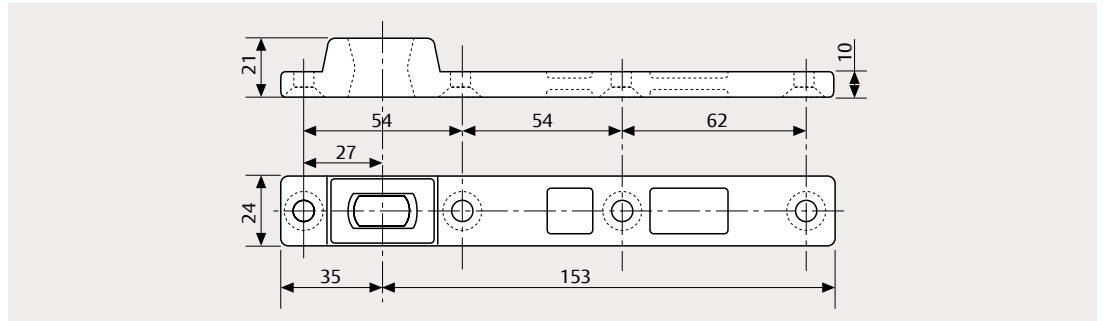
### AC115 reversible bottom arm

for double action doors;  
socket for Italian squared  
spindle



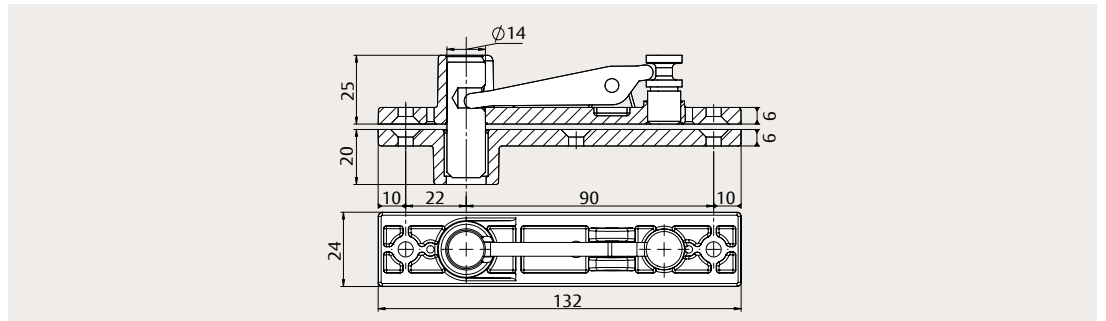
### AC393 reversible bottom arm

for double action doors;  
socket for German  
rectangular spindle



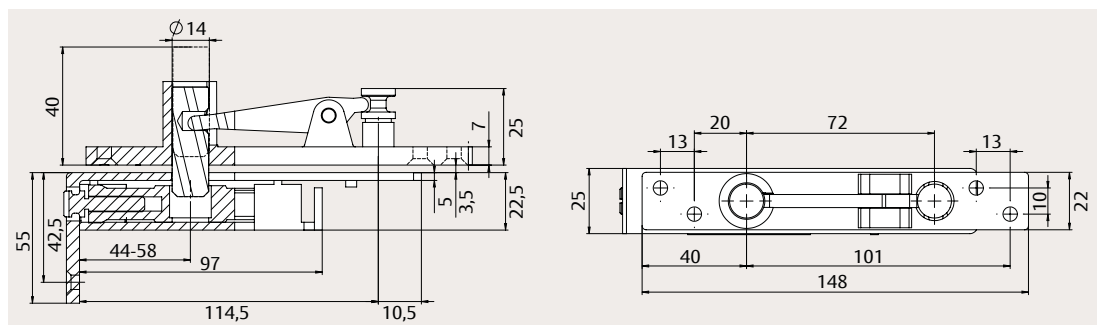
### AC8 top pivot

for double action doors



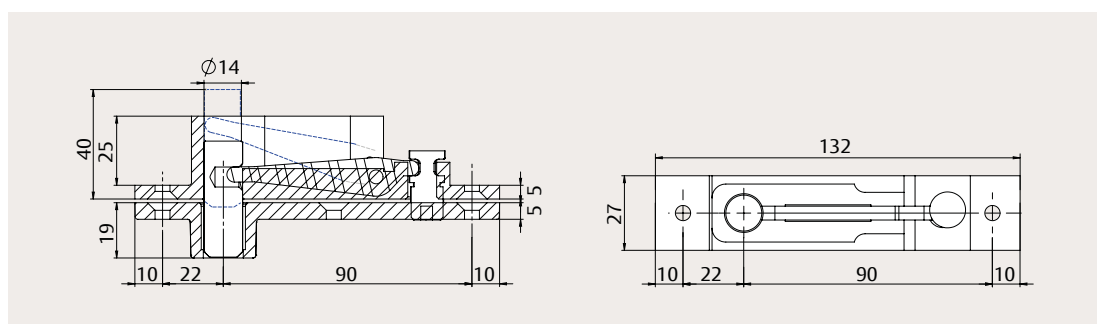
### AC118 top pivot

for double action doors;  
adjustable pivot point



### AC375 top pivot

for double action doors;  
self-lubricating bushing

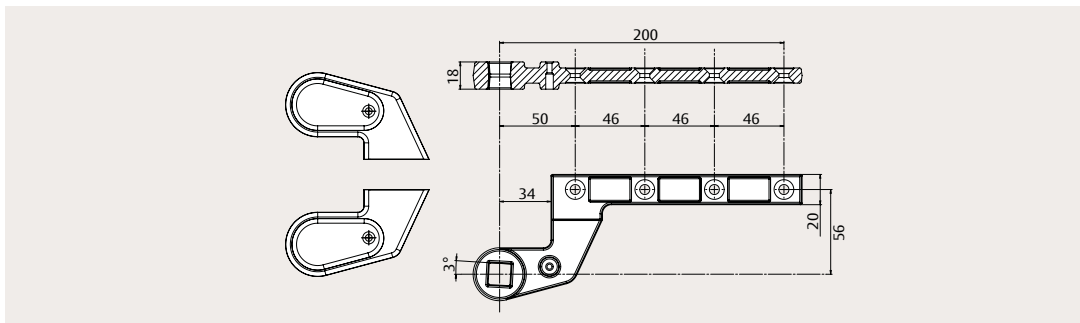


# DC450

## Accessories

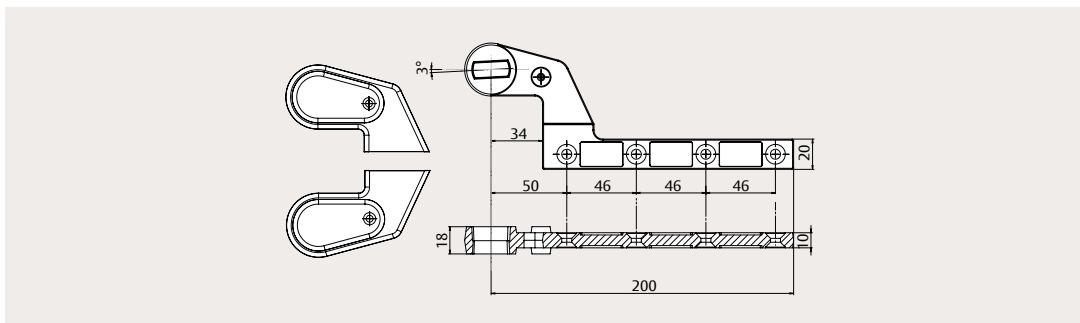
### AC583 right and left bottom arm

for single action doors,  
36 mm offset; socket for  
Italian square spindle



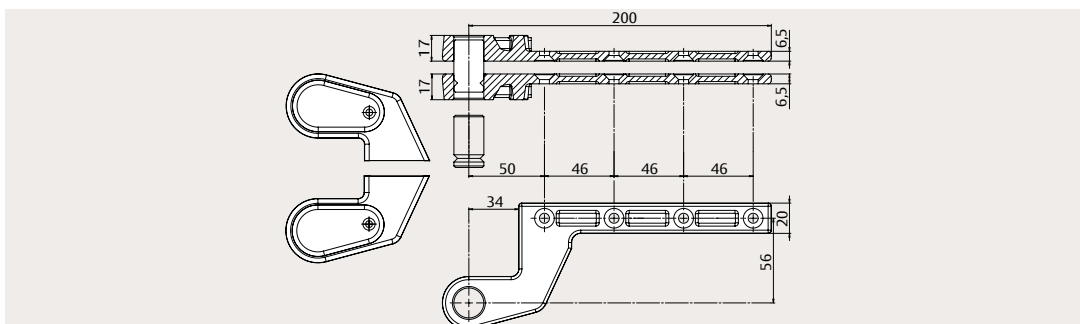
### AC392 right and left bottom arm

for single action doors,  
36 mm offset; socket  
for German rectangular  
spindle



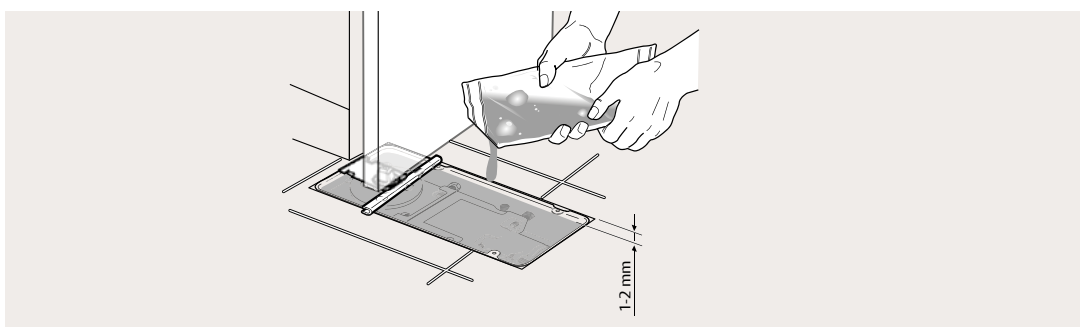
### AC384 right and left top arm

for single action doors,  
36 mm offset



### AC612 sealing compound

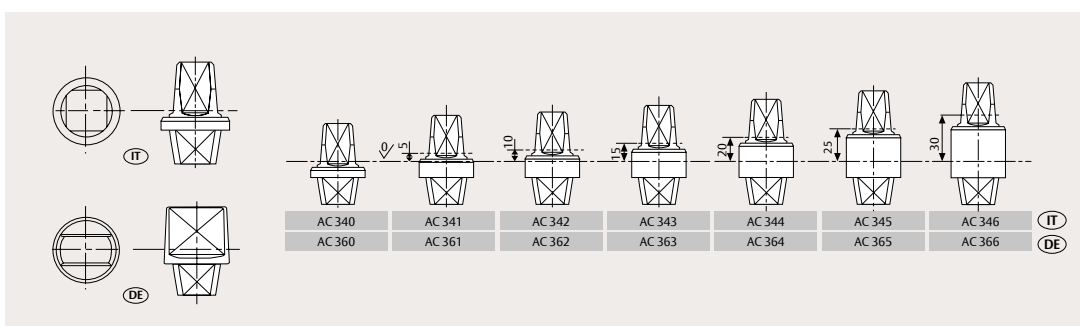
for floor springs



### Detachable spindles

Italian spindle with  
square shape

German spindle with  
flat-conical shape



## DC450

## Order information



## Floor springs

DC450, EN size 3, with hold-open at 105°	DC450-----3-105
DC450, EN size 3, with hold-open at 90°	DC450-----3--90
DC450, EN size 3, without hold-open	DC450-----3-NHO
DC450, EN size 4, with hold-open at 105°	DC450-----4-105
DC450, EN size 4, with hold-open at 90°	DC450-----4--90
DC450, EN size 4, without hold-open	DC450-----4-NHO

## Cover plates

CP619 cover plate for DC450, polished stainless steel	DCCP619-----PSS
CP619 cover plate for DC450, satin stainless steel	DCCP619-----SSS

## Spindles

AC340 detachable Italian spindle, 0 mm, zinc plated	MA0340S0
AC341 detachable Italian spindle, 5 mm, zinc plated	MA0341S0
AC342 detachable Italian spindle, 10 mm, zinc plated	MA0342S0
AC343 detachable Italian spindle, 15 mm, zinc plated	MA0343S0
AC344 detachable Italian spindle, 20 mm, zinc plated	MA0344S0
AC345 detachable Italian spindle, 25 mm, zinc plated	MA0345S0
AC346 detachable Italian spindle, 30 mm, zinc plated	MA0346S0
AC360 detachable German spindle, 0 mm, zinc plated	MA0360S0
AC361 detachable German spindle, 5 mm, zinc plated	MA0361S0
AC362 detachable German spindle, 10 mm, zinc plated	MA0362S0
AC363 detachable German spindle, 15 mm, zinc plated	MA0363S0
AC364 detachable German spindle, 20 mm, zinc plated	MA0364S0
AC365 detachable German spindle, 25 mm, zinc plated	MA0365S0
AC366 detachable German spindle, 30 mm, zinc plated	MA0366S0

## Other accessories

AC115 reversible bottom arm, steel, socket for Italian spindle	MA0115S0
AC393 reversible bottom arm, steel, socket for German spindle	MA0393S0
AC8 double action top pivot	MA0008S0
AC375 double action top pivot, full steel, with self-lubricating bushing	MA0375S0
AC118 double action top pivot, with adjustable pivot point	MA0118S0
AC583 right and left bottom arm, steel, 36 mm offset, socket for Italian spindle, ABS cover silver	DCAC583---DEV1-
AC583 right and left bottom arm, steel, 36 mm offset, socket for Italian spindle, ABS cover black	DCAC583---D9004
AC392 right and left bottom arm, steel, 36 mm offset, socket for German spindle, ABS cover silver	DCAC392---DEV1-
AC392 right and left bottom arm, steel, 36 mm offset, socket for German spindle, ABS cover black	DCAC392---D9004
AC384 right and left top arm, full steel, 36 mm offset, ABS cover silver	DCAC384---DEV1-
AC384 right and left top arm, full steel, 36 mm offset, ABS cover black	DCAC384---9004
AC612 sealing compound for floor springs	MA0612S0

DC450



CP619, polished



CP619, satin



AC340



AC360



AC115



AC393



AC375



AC118



AC583, silver



AC583, black



AC392, silver



AC392, black



## DC410U

Floor spring with Cam-Motion® technology  
for single and double action doors, size 4



DC410U with German spindle, satin stainless steel

Cam-Motion®  
technology creates  
rapidly decreasing  
opening force without  
losing fire or smoke  
protection compliance

The DC410U with fixed closing force is suitable for shallow applications. Balancing building design and accessibility, ASSA ABLOY floor springs are minimal on the outside and powerful on the inside – ideal for double action doors made of any material, even glass. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort.

- Fixed closing force, size 4
- For single and double action doors up to 1100 mm width and 100 kg weight

### Cover plate finishes

- Polished stainless steel
- Satin stainless steel

### Features

- Closing and latch speeds can be raised and lowered independently
- Maximum opening angle 130° in both directions
- Painted steel cement box (only 40 mm high) allows for large adjustment range to fix any alignment problems without taking down the door
- Fixed German spindle
- ASSA ABLOY branded stainless steel cover plate
- Dust cover

### Product variants

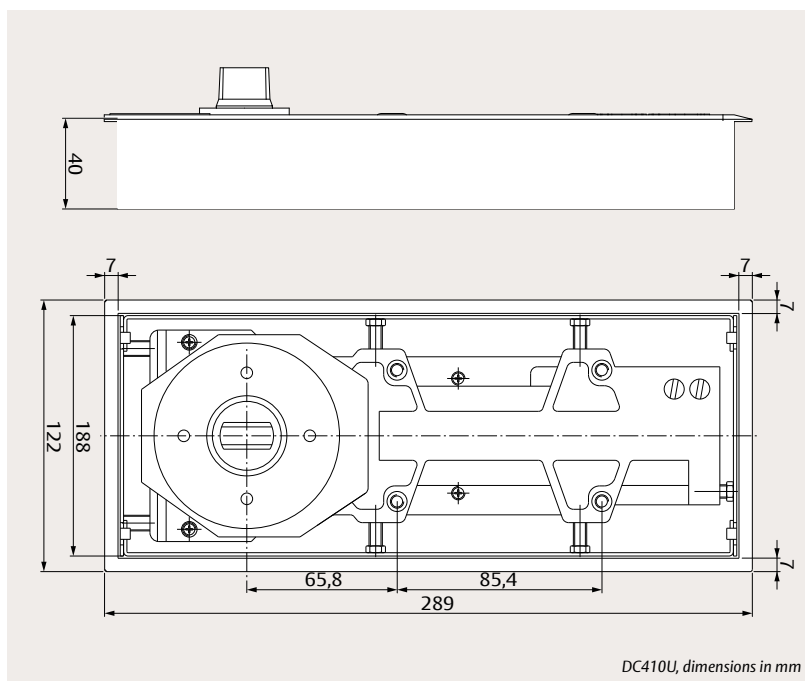
- Hold-open at 90°
- Without hold-open

### Accessories

- **AC114** double action door kit (top pivot and bottom arm)
- **AC588R** top and bottom off-set arms for right-handed single action door
- **AC588L** top and bottom off-set arms for left-handed single action door

# DC410U

## Technical attributes and order information



### Technical attributes

<b>Closing force</b>	EN size 4
<b>Maximum leaf width</b>	1100 mm
<b>Maximum door weight</b>	100 kg
<b>Closing speed (C)</b>	Variable between 130° and 15°
<b>Latch speed (L)</b>	Variable between 15° and 0°
<b>Hold-open mode</b>	90° / without hold-open
<b>Maximum opening angle</b>	~130°
<b>Handing</b>	Left- / right-handed or double action
<b>Force adjustment</b>	No
<b>Dimensions (H x D x L)</b>	40 x 108 x 275 mm



Visit [assaabloy.com](http://assaabloy.com) to  
download all relevant  
product literature



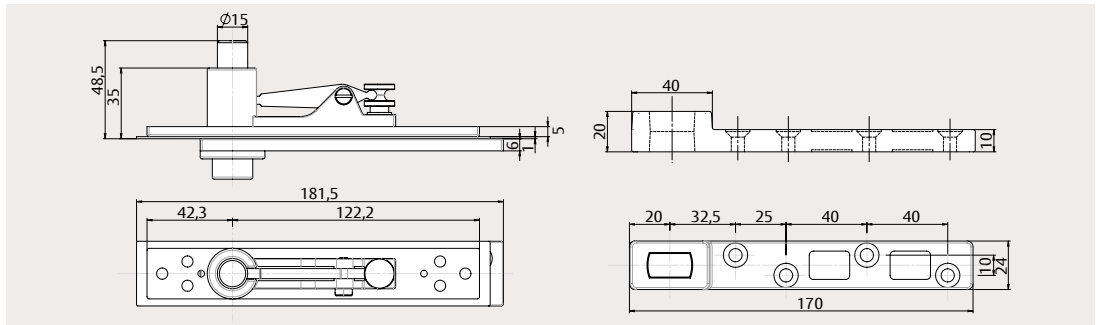
### Order information

DC410U, EN size 4, without hold-open, satin stainless steel cover	DC410U-4-NHOSSS
DC410U, EN size 4, with hold-open at 90°, satin stainless steel cover	DC410U-4--90SSS
DC410U, EN size 4, without hold-open, polished stainless steel cover	DC410U-4-NHOPSS
DC410U, EN size 4, with hold-open at 90°, polished stainless steel cover	DC410U-4--90PSS
AC114 double action door kit (top pivot and bottom arm)	DCAC114-----40
AC588R off-set arms for right-handed single action door, silver, EV1	DCAC588R---EV1-
AC588L off-set arms for right-handed single action door, silver, EV1	DCAC588L---EV1-

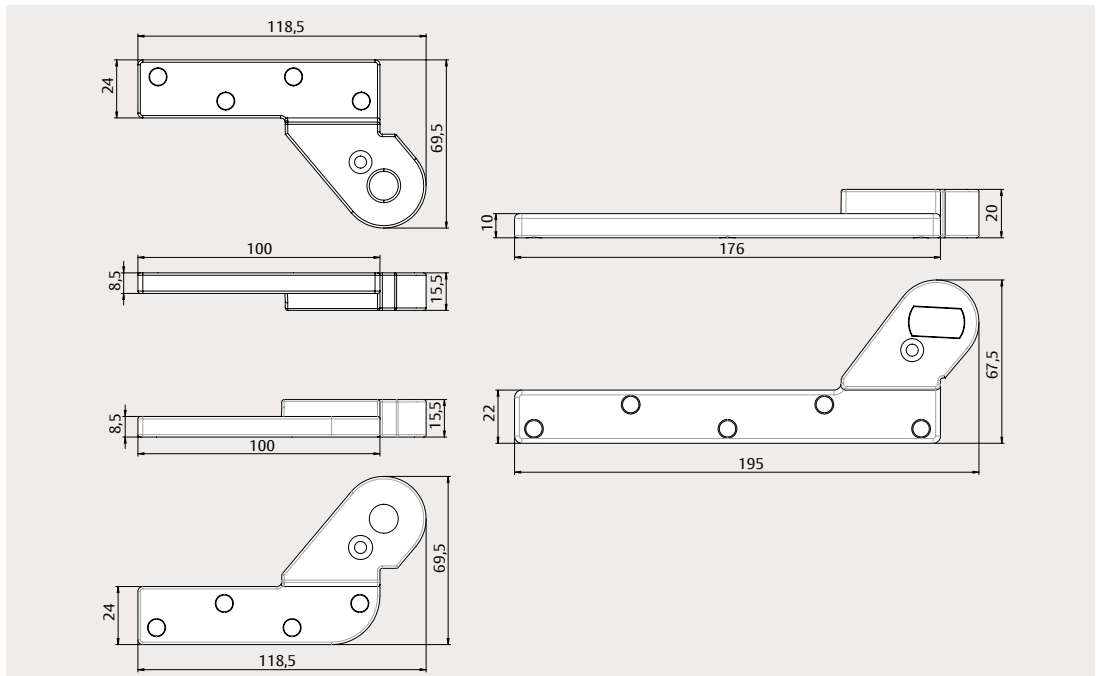
# DC410U

## Accessories

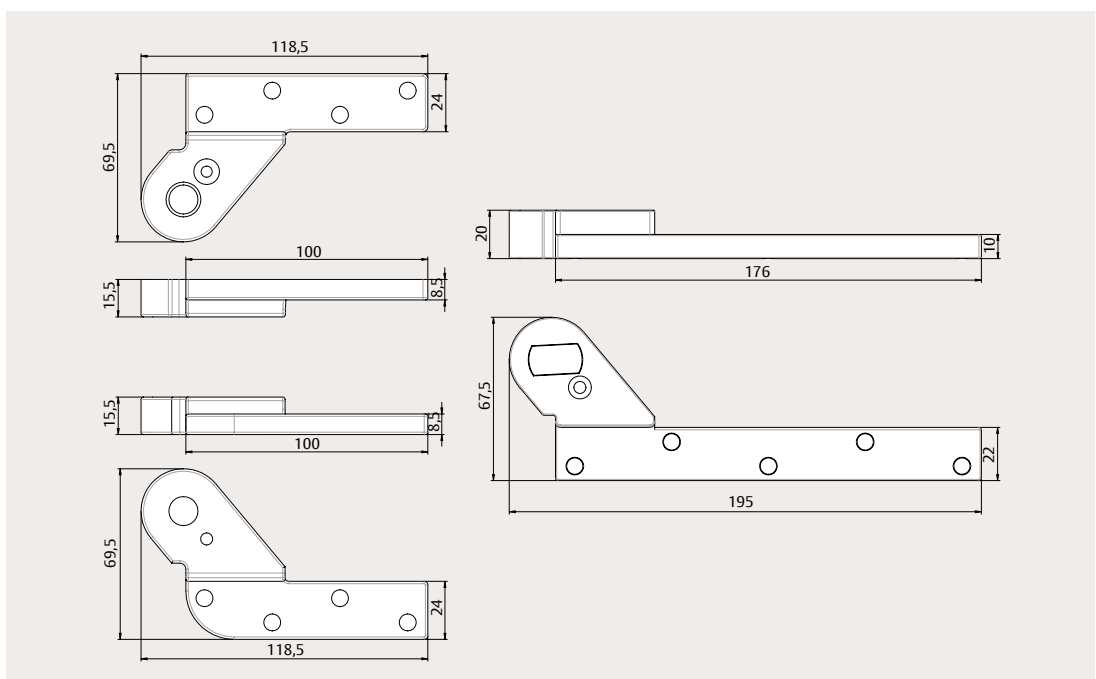
**AC114 double action door kit**  
with top pivot and bottom arm



**AC588R top and bottom off-set arms**  
for right-handed single action doors



**AC588L top and bottom off-set arms**  
for left-handed single action doors



## DC611

Transom door closer with Cam-Motion® technology for double action doors, size 2/3/4



DC611

**Cam-Motion®** technology creates rapidly decreasing opening force without losing fire or smoke protection compliance

Concealed into the transom profile, the DC611 delivers high performance to support all building users without diluting the impact of your entrance designs. It is suitable for wooden, metal and glass double action doors. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort.

- Certified in compliance with EN 1154, size 2/3/4
- Suitable for fire and smoke protection doors (not for hold-open variants)
- For double action doors up to 1100 mm width and 120 kg weight
- Barrier-free according to CEN/TR 15894

### Cover plate finishes

- Polished stainless steel
- Satin stainless steel

### Features

- Premium construction provides double the industry standard for durability (over 1.000.000 test cycles)
- Hydraulic control from 170° in both door swing directions allows for smooth and controlled door operation
- Closing and latch speeds can be raised and lowered independently
- Detachable spindle in different lengths (14/18/20/21/24 mm) allows flexible installation
- Same dimensions for EN2, EN3 and EN4 products simplifies replacement
- Consistent performance in a wide range of temperatures

### Product variants

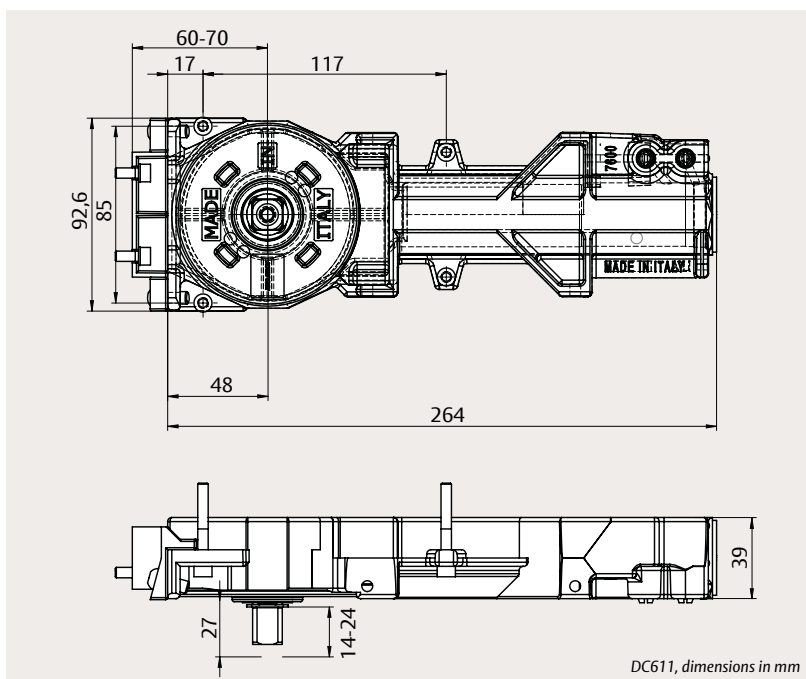
- Hold-open at 105° (cannot be used on fire doors)
- Hold-open at 90° (cannot be used on fire doors)
- Without hold-open

### Accessories

- **AC115** reversible bottom arm, Italian spindle
- **AC393** reversible bottom arm, German spindle
- **AC246** floor spindle pivot, squared Italian shape
- **AC299** floor spindle pivot, rectangular German shape
- **AC252** adjustable bottom pivot for doors up to 120 kg
- **BPIVOT 39** adjustable bottom pivot
- **AC27** adjustable bottom pivot
- **ARM48** side load top arm for transom closer with reinforcement plate
- **ARM98** back load top arm for transom closer with reinforcement plate
- **AC634** bracket for transom closer retrofit

## DC611

### Technical attributes and certification



#### Technical attributes

Closing force	EN size 2/3/4
Maximum leaf width	850 mm / 950 mm / 1100 mm
Maximum door weight	120 kg
Closing speed (C)	Variable between 170° and 15°
Latch speed (L)	Variable between 15° and 0°
Hold-open mode	105° / 90° / without hold-open
Maximum opening angle	~170°
Handing	Double action
Force adjustment	No
Hinge distance	60 – 70 mm
Corrosion resistance	Grade 4 (240 hours)
Dimensions (H x D x L)	39 x 92.6 x 264 mm



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download all relevant  
product literature



#### Certification and testing

Certified in compliance with	EN 1154
CE classification	3   8   2/3/4   1   1   4
CE / UKCA mark	Yes
Suitable for fire and smoke protection doors	Yes (≥EN3)
Barrier-free according to	CEN/TR 15894
Third-party verified EPD	ISO 14025, EN 15804

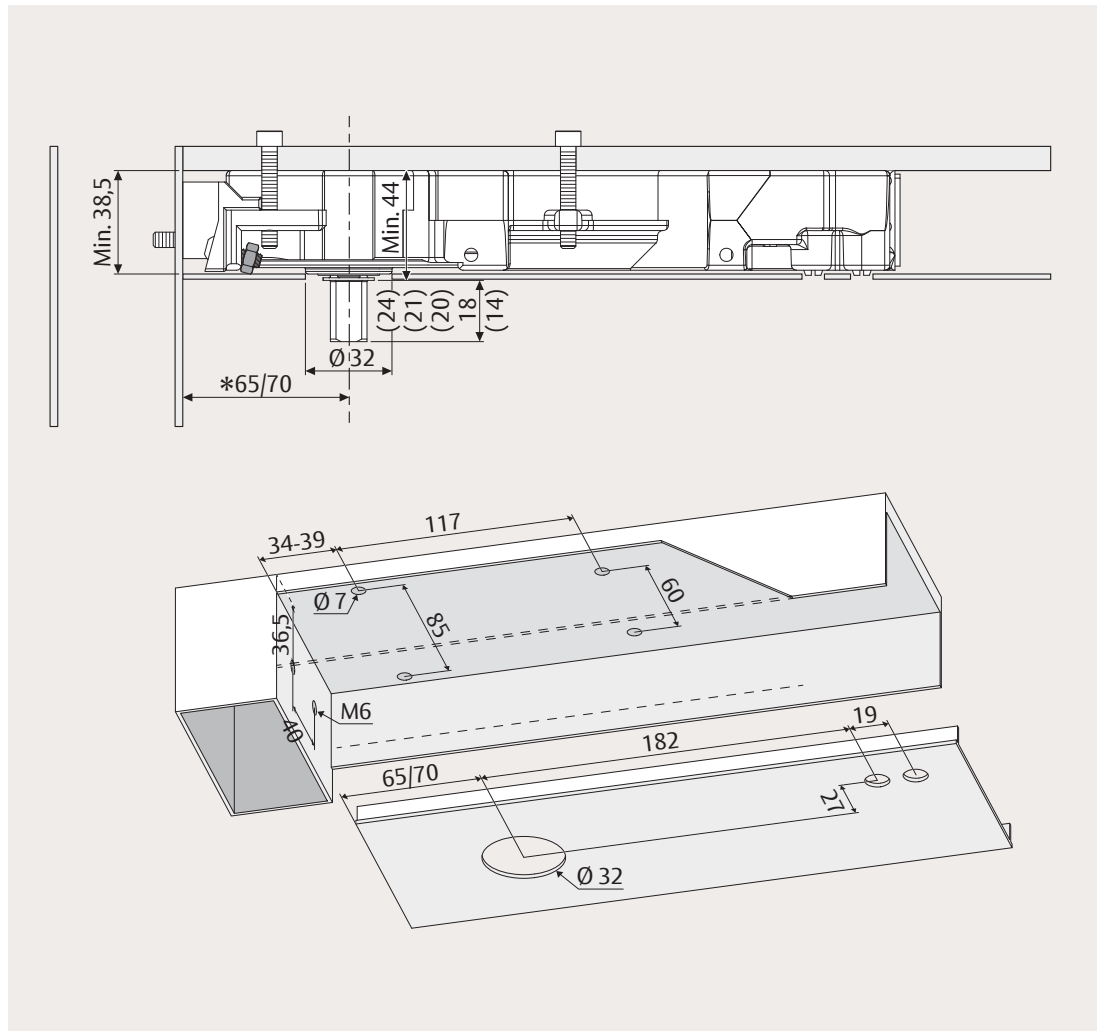




# DC611

## Mounting dimensions

Mounting on double  
action doors

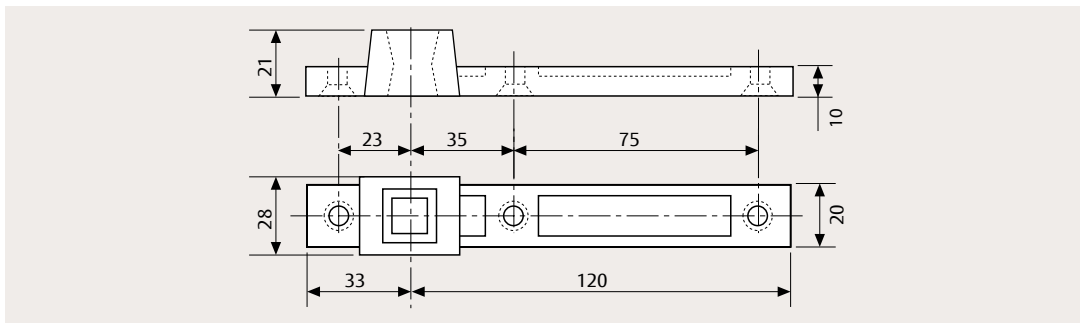


# DC611

## Accessories

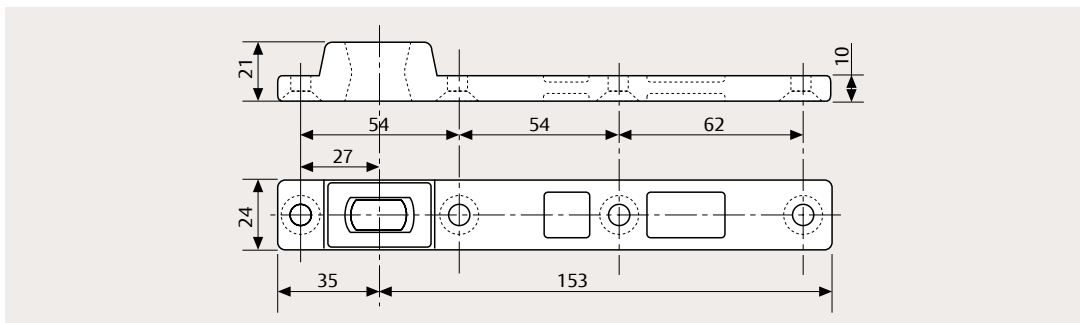
### AC115 reversible bottom arm

for double action doors;  
socket for Italian squared  
spindle



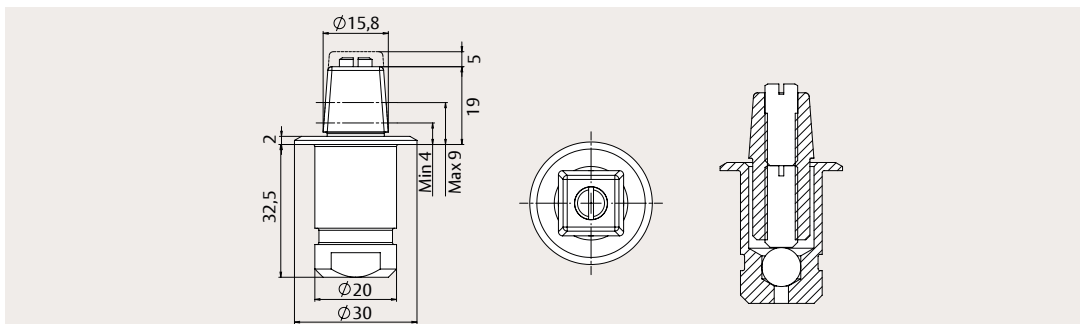
### AC393 reversible bottom arm

for double action doors;  
socket for German  
rectangular spindle



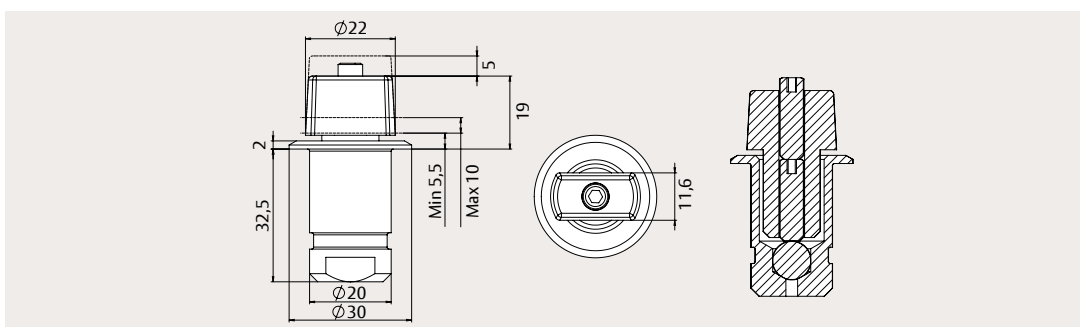
### AC246 floor spindle pivot

squared Italian shape

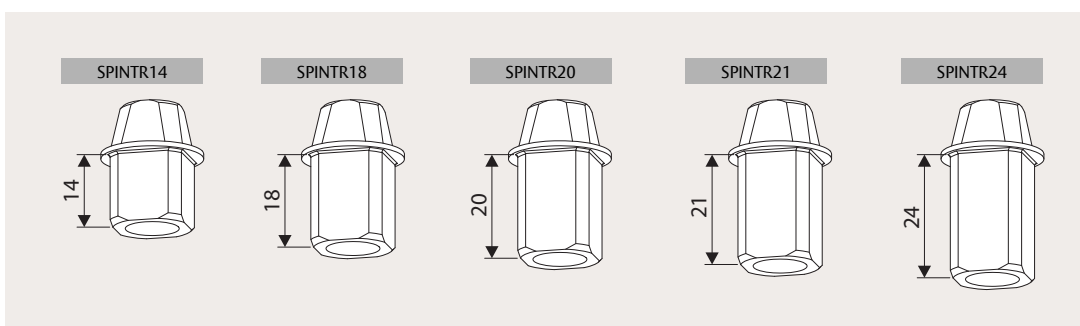


### AC299 floor spindle pivot

rectangular German  
shape



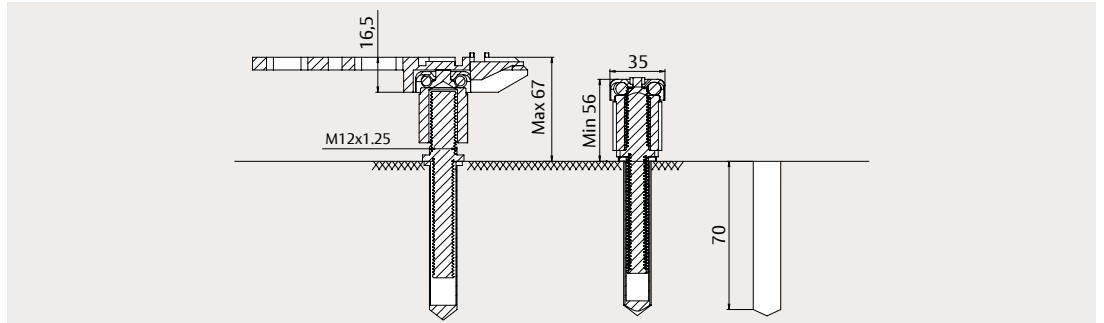
### Detachable spindles



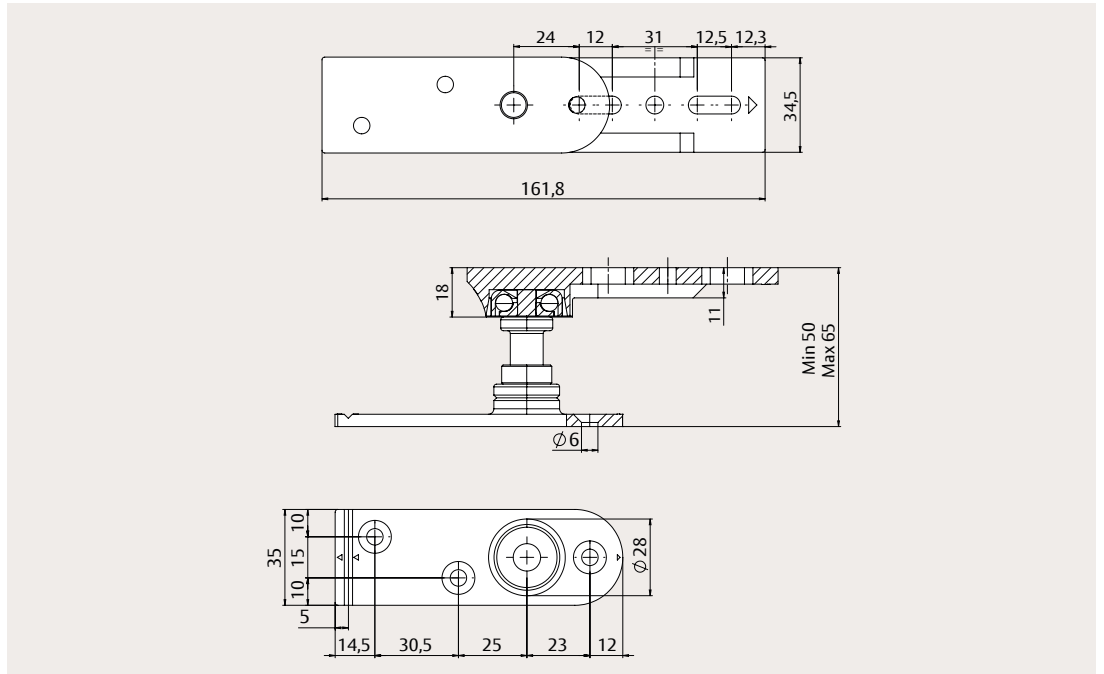
# DC611

## Accessories

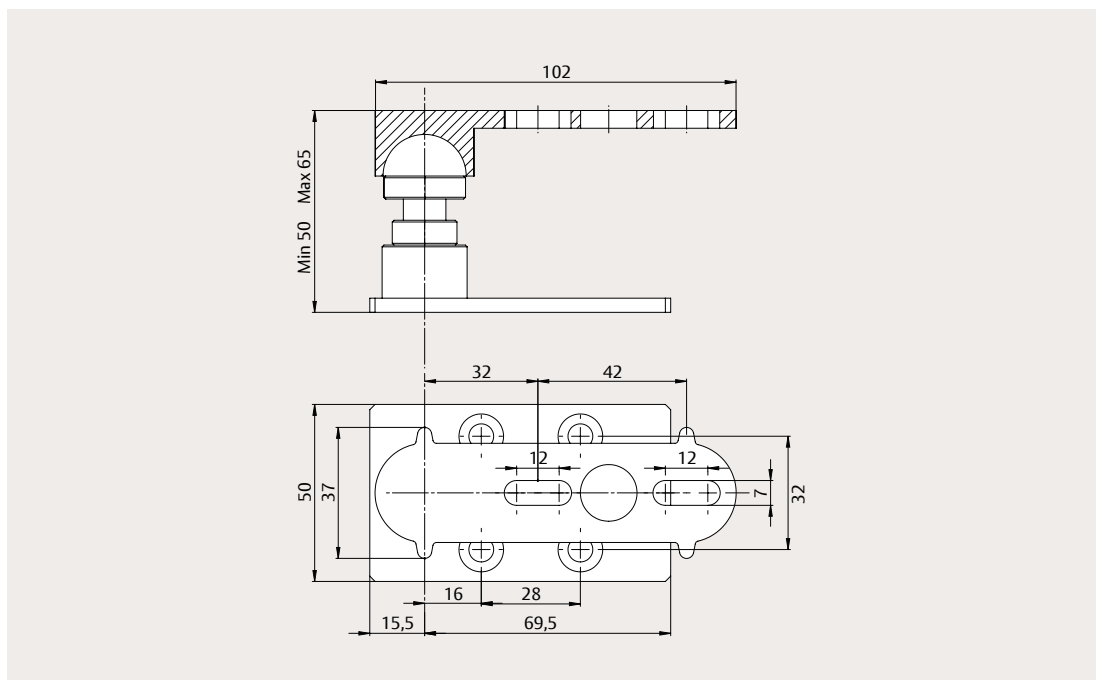
**AC252 adjustable  
bottom pivot**  
for doors up to 120 kg



**BPIVOT 39 adjustable  
bottom pivot**



**AC27 adjustable  
bottom pivot**

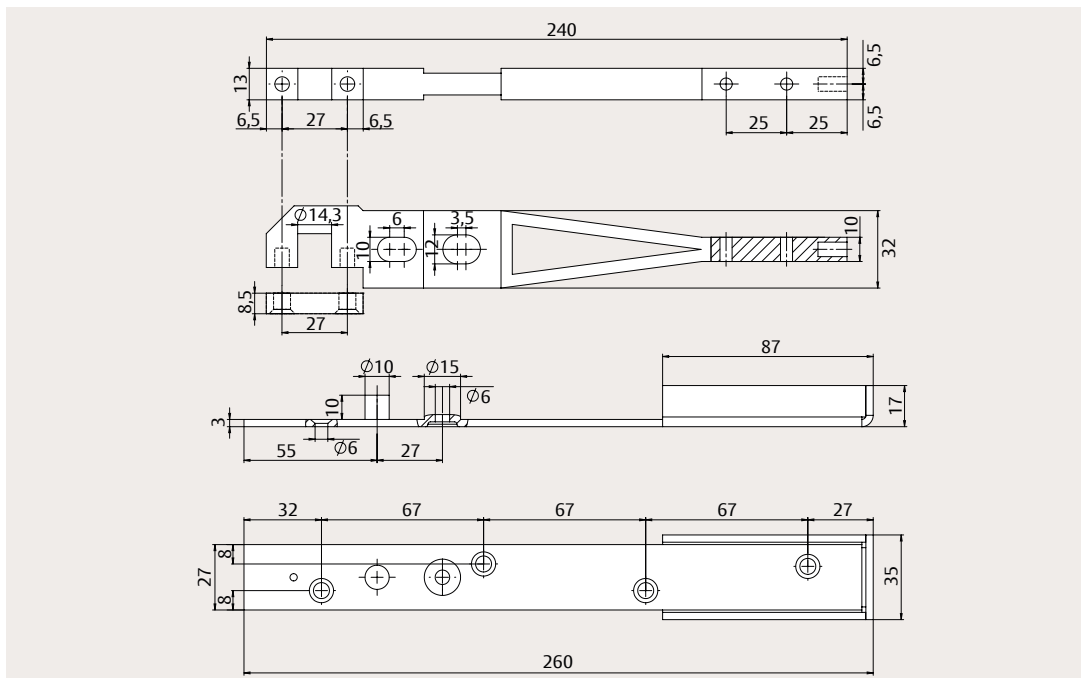


# DC611

## Accessories

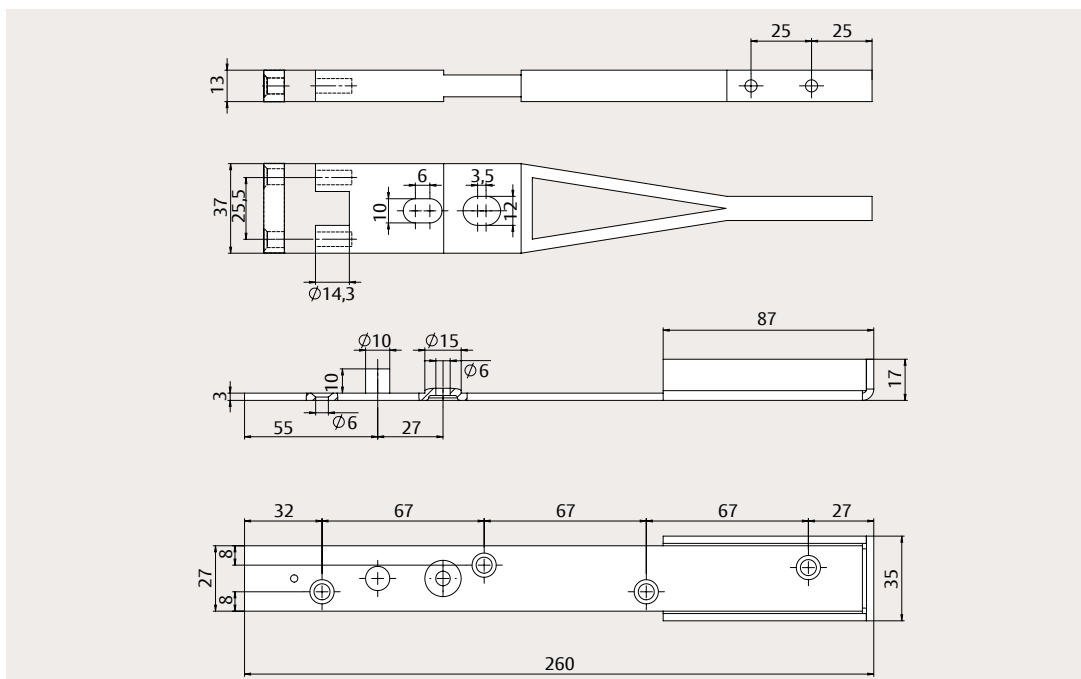
### ARM48 side load top arm

for transom closer with  
reinforcement plate



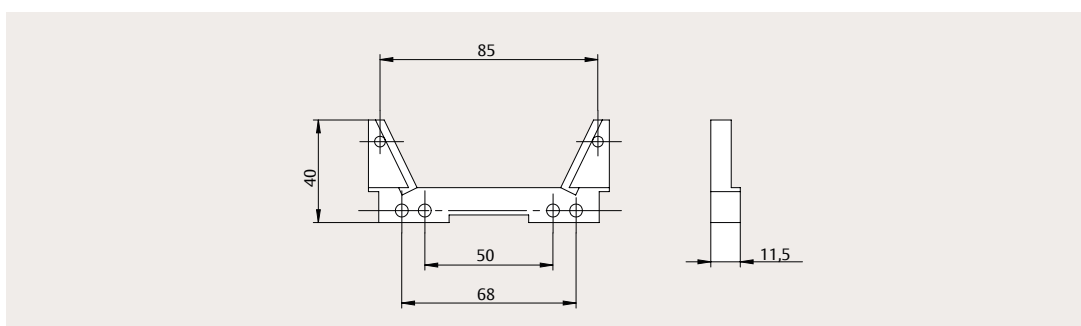
### ARM98 back load top arm

for transom closer with  
reinforcement plate



### AC634 bracket

for transom closer  
retrofit



## DC611

## Order information

**Transom door closers**

DC611, EN size 2, with hold-open at 105°	DC611-----2-105
DC611, EN size 2, with hold-open at 90°	DC611-----2--90
DC611, EN size 2, without hold-open	DC611-----2-NHO
DC611, EN size 3, with hold-open at 105°	DC611-----3-105
DC611, EN size 3, with hold-open at 90°	DC611-----3--90
DC611, EN size 3, without hold-open	DC611-----3-NHO
DC611, EN size 4, with hold-open at 105°	DC611-----4-105
DC611, EN size 4, with hold-open at 90°	DC611-----4--90
DC611, EN size 4, without hold-open	DC611-----4-NHO

**Spindles**

SPINTR14 detachable squared spindle, 14 mm	DCSPINDLETR--14
SPINTR18 detachable squared spindle, 18 mm	DCSPINDLETR--18
SPINTR20 detachable squared spindle, 20 mm	DCSPINDLETR--20
SPINTR21 detachable squared spindle, 21 mm	DCSPINDLETR--21
SPINTR24 detachable squared spindle, 24 mm	DCSPINDLETR--24

**Other accessories**

AC115 reversible bottom arm, steel, socket for Italian spindle	MA0115S0
AC393 reversible bottom arm, steel, socket for German spindle	MA0393S0
AC246 floor spindle pivot, squared Italian shape	MA0246J0
AC299 floor spindle pivot, rectangular German shape	MA0299J0
AC252 adjustable bottom pivot	MA0252S0
BPIVOT 39 adjustable bottom pivot	DCBPIVOT39---40
AC27 adjustable bottom pivot	MA0027S0
ARM48 side load top arm for transom closer	DCARM48-----40
ARM98 back load top arm for transom closer	DCARM98-----40
AC634 bracket kit for MAB5600/MAB5750 retrofit	DCAC634-----40

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