

Guide rail systems



Double door and hold-open solutions



Concealed systems



Rack and pinion systems



Security door closers



Floor springs



# Door Closers

Trusted, innovative solutions for any building

*Technical Catalogue – Türkiye*

**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.

### 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.

### Latch speed

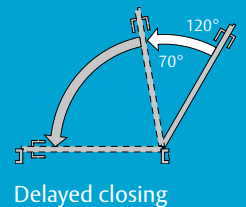
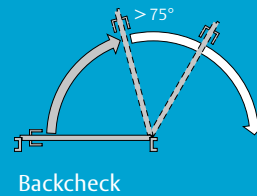
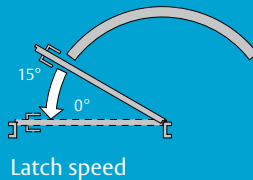
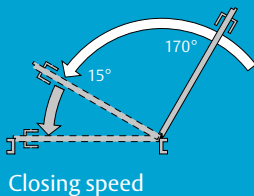
Latch speed adjustment controls the speed at which the door closes in the last few degrees of opening angle before it latches. This adjustment is important for ensuring that the door closes securely and latches properly without causing any damage or noise.

### 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





## 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.

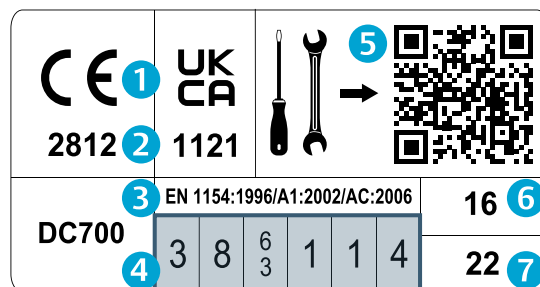


# How to read the CE classification coding

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

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

## EN 1154 door closer power sizes

| Door closer power size | Recommended door leaf width<br>mm max. | Closing torque between 0° and 4° |         | Opening torque between 0° and 60°<br>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-FT                    | DC640                              | DC500                              | DC347                              | DC300                              | DC175                              | DC140                              | DC120                              | DC105U                       |
| Arm system              | Guide rail   | ■                                  | ■                            | ■                                  | ■                                  |                                    | ■                                  | ■                                  | ■                                  |                                    |                              |
|                         | Link arm   |                                    |                              | ■                                  |                                    | ■                                  | ■                                  |                                    | ■                                  | ■                                  | ■                            |
| Technology              | Cam-Motion   | ■                                  | ■                            |                                    | ■                                  |                                    |                                    | ■                                  |                                    |                                    |                              |
|                         | Rack and pinion  |                                    |                              | ■                                  |                                    | ■                                  | ■                                  |                                    | ■                                  | ■                                  | ■                            |
| Special applications    | Free-swing mode (resistance-free opening)                                      |                                    |                              | ■                                  |                                    |                                    |                                    |                                    |                                    |                                    |                              |
|                         | 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°<br>75°-120°               | 50°-100°                           | 75°-120°                           | 75°-120°                           | 75°-120°                     |
|                         | Maximum opening angle depending on product variant and/or installation         | ~180°                              | ~170°                        | ~180°                              | ~170°                              | ~180°                              | ~180°                              | ~160°                              | ~180°                              | ~180°                              | ~180°                        |
|                         |  |                                    |                              |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                              |
| 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  |                                    |                              |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                              |
|                         | Glass doors  | ■                                  |                              |                                    | ■                                  |                                    | ■                                  |                                    |                                    |                                    |                              |
| Mounting and adjustment | Suitable for left- and right-handed doors                                      | ■                                  | ■                            | ■                                  | ■                                  | ■                                  | ■                                  | ■                                  | ■                                  | ■                                  | ■                            |
|                         | Mounting options   | Leaf/frame<br>Hinge/non-hinge side | Leaf<br>Hinge/non-hinge side | Leaf/frame<br>Hinge/non-hinge side | Leaf/frame<br>Hinge/non-hinge side | Leaf/frame<br>Hinge/non-hinge side | Leaf/frame<br>Hinge/non-hinge side | Leaf/frame<br>Hinge/non-hinge side | Leaf/frame<br>Hinge/non-hinge side | Leaf/frame<br>Hinge/non-hinge side | Leaf<br>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  | ■                                  | ■                            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                              |
|                         | UL 228/ULC-S133, UL 10C  |                                    |                              |                                    |                                    |                                    |                                    |                                    |                                    |                                    | ■                            |
|                         | CEN/TR 15894   | ■                                  | ■                            | □                                  | ■                                  | ■                                  | □                                  | ■                                  | ■                                  |                                    |                              |

■ = yes

□ = yes, but not for all product variants



| Concealed door closers   |                          |                          |                          |                          | Floor springs     |                   |                   |   |                         |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------|-------------------|-------------------|---|-------------------------|
| DC870                    | DC860                    | DC840                    | DC830U                   | DC824U                   | DC477             | DC450             | DC410U            |   |                         |
| ■                        | ■                        | ■                        | ■                        | ■                        |                   |                   |                   | Guide rail  | Arm system              |
|                          |                          |                          |                          |                          |                   |                   |                   | Link arm  |                         |
| ■                        | ■                        | ■                        | ■                        |                          | ■                 | ■                 | ■                 | Cam-Motion  | Technology              |
|                          |                          |                          |                          | ■                        |                   |                   |                   | Rack and pinion   |                         |
|                          |                          |                          |                          |                          |                   |                   |                   | Free-swing mode (resistance-free opening)   | Special applications    |
|                          |                          |                          |                          |                          |                   |                   |                   | Integrated electric strike for escape routes                                      |                         |
| □                        | □                        | □                        |                          |                          |                   |                   |                   | Mechanical hold-open device for guide rail  | Feature                 |
|                          |                          |                          |                          |                          |                   |                   |                   | Mechanical hold-open link arm   |                         |
|                          |                          |                          |                          |                          | □                 | □                 | □                 | Hold-open floor spring  |                         |
| 50°-100°                 | 80°-120°                 | 80°-120°                 |                          |                          | 90°/105°          | 90°/105°          | 90°               | Hold-open angle   |                         |
| ~120°                    | ~120°                    | ~120°                    | ~120°                    | ~135°                    | ~170°             | ~130°             | ~130°             | Maximum opening angle<br>depending on product variant and/or installation         |                         |
| ■                        | ■                        | ■                        | ■                        | ■                        | ■                 |                   |                   | Adjustable force  |                         |
|                          | ■                        | ■                        |                          |                          |                   |                   |                   | EN1 (≤ 750 mm)  | Closing force           |
|                          | ■                        | ■                        | ■                        | ■                        | ■                 |                   |                   | EN2 (≤ 850 mm)  |                         |
| ■                        | ■                        | ■                        | ■                        | ■                        | ■                 | ■                 |                   | EN3 (≤ 950 mm)  |                         |
| ■                        | ■                        | ■                        | ■                        | ■                        | ■                 | ■                 | ■                 | EN4 (≤ 1100 mm)   |                         |
| ■                        | ■                        |                          |                          |                          |                   |                   |                   | EN5 (≤ 1250 mm)   |                         |
| ■                        |                          |                          |                          |                          |                   |                   |                   | EN6 (≤ 1400 mm)   |                         |
|                          |                          |                          |                          |                          |                   |                   |                   | EN7 (≤ 1600 mm)   |                         |
| ■                        | ■                        | ■                        | ■                        | ■                        | ■                 | ■                 |                   | Fire protection doors<br>only for ≥EN3 and not for mech. hold-open variants       | Door type               |
| ■                        | ■                        |                          |                          |                          | ■                 | ■                 | ■                 | Exterior doors  |                         |
| ■                        | ■                        | ■                        | ■                        | ■                        | ■                 | ■                 | ■                 | Single-leaf doors   |                         |
| ■                        | ■                        |                          |                          |                          |                   |                   |                   | Single-leaf doors with electro-mechanical<br>hold-open device (EN 1155)           |                         |
| ■                        | ■                        |                          |                          |                          |                   |                   |                   | Double-leaf doors (EN 1158)   |                         |
| ■                        | ■                        |                          |                          |                          |                   |                   |                   | Double-leaf doors with electro-mechanical<br>hold-open device (EN 1155 / EN 1158) |                         |
|                          |                          |                          |                          |                          | ■                 | ■                 | ■                 | Double action doors   |                         |
|                          |                          |                          |                          |                          | ■                 | ■                 | ■                 | Glass doors   | Mounting and adjustment |
| ■                        | ■                        | ■                        | ■                        | ■                        | ■                 | ■                 | ■                 | Suitable for left- and right-handed doors   |                         |
| 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 | Mounting options  |                         |
|                          |                          |                          |                          |                          |                   |                   |                   | Four mounting options with one product  |                         |
| ■                        | ■                        | ■                        | ■                        | ■                        | ■                 | ■                 | ■                 | Adjustable closing speed  |                         |
| ■                        | ■                        | ■                        | ■                        | ■                        | ■                 | ■                 | ■                 | Adjustable latch speed  |                         |
|                          |                          |                          |                          |                          |                   |                   |                   | Adjustable backcheck  |                         |
|                          |                          |                          |                          |                          |                   |                   |                   | Delayed closing   | Standard                |
|                          |                          |                          |                          |                          |                   |                   |                   | Height adjustable spindle (0-14 mm)   |                         |
|                          |                          |                          |                          |                          |                   |                   |                   | Spindle extension   |                         |
| ■                        | ■                        | ■                        |                          |                          | ■                 | ■                 |                   | EN 1154   |                         |
| ■                        | ■                        |                          |                          |                          |                   |                   |                   | EN 1155   |                         |
| ■                        | ■                        |                          |                          |                          |                   |                   |                   | EN 1158   |                         |
|                          |                          |                          | ■                        | ■                        |                   |                   |                   | UL 228/ULC-S133, UL 10C   |                         |
| ■                        | ■                        | ■                        | ■                        | ■                        | ■                 | ■                 |                   | CEN/TR 15894  |                         |



# 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.

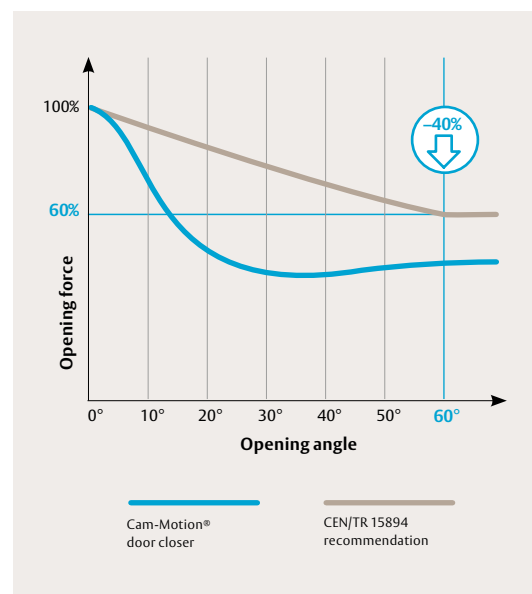
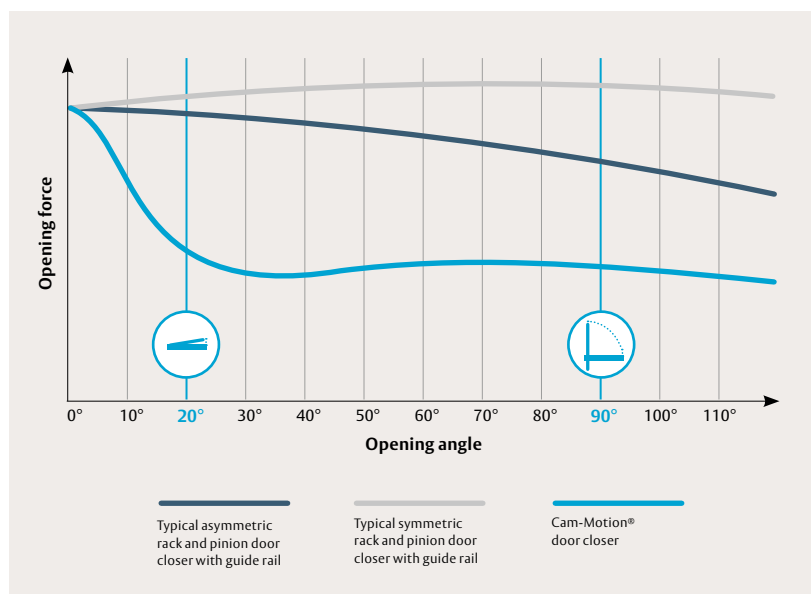
Compared to rack and pinion door closers with guide rail, you do not have to push as hard with a Cam-Motion closer. It is easier on your arms – and built for the natural power of the human elbow. Especially for younger children, elderly and the less-able, opening a door is easy and comfortable.

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



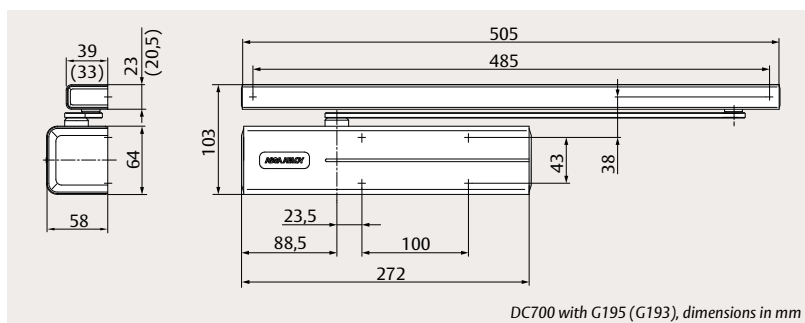
Leaf mounting on non-hinge side



Frame mounting on non-hinge side

## DC700

## Technical attributes and certification



## Technical attributes

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



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

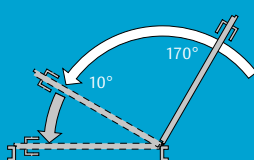


## Certification and testing

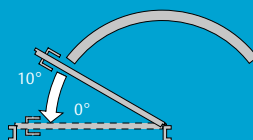
|  |  |
|--|--|
| Certified in compliance with                 | EN 1154  |
| CE classification                            | 3   8   3-6   1   1   4<br>4   8   3-6   1   1   4 (DC700AC) |
| CE / UKCA mark                               | Yes  |
| Suitable for fire and smoke protection doors | Yes  |
|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



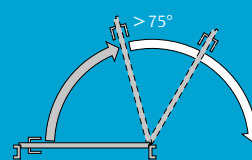
## Independent adjustment via front-facing valves



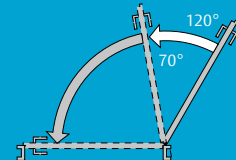
Closing speed (C)



Latch speed (L)



Backcheck (B)



Delayed closing (D)\*

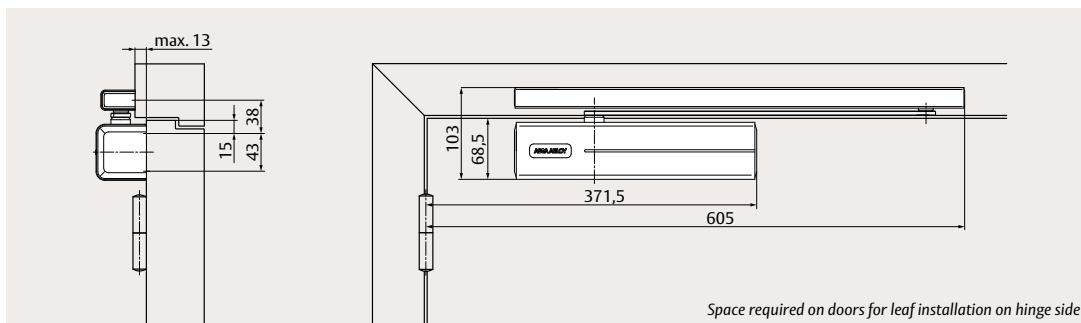
\* only for DC700DA

## DC700

### Space requirement and mounting dimensions

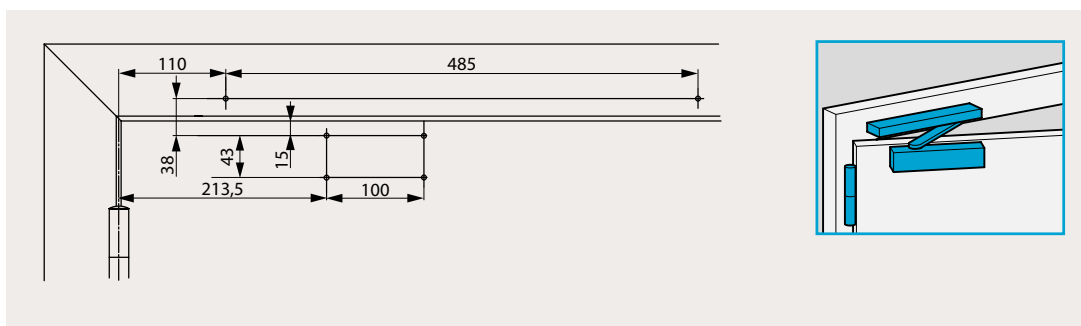


Scan the QR code  
to watch the  
installation video



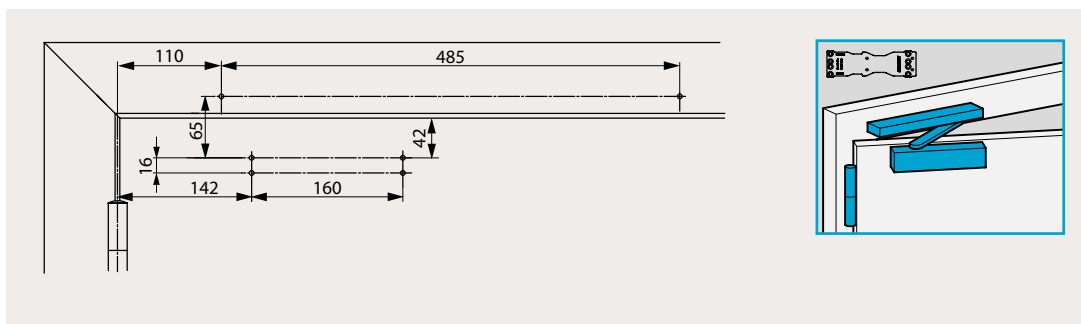
#### Direct leaf mounting on hinge side

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



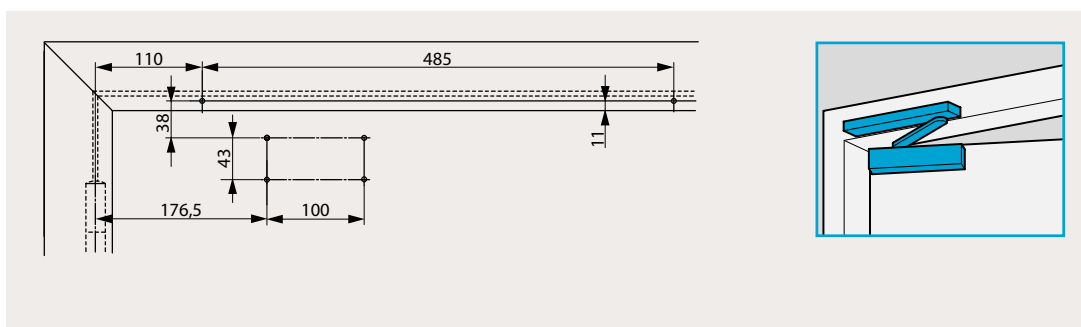
#### Mounting plate leaf mounting on hinge side; in compliance with DIN EN 1154, supplement 1

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



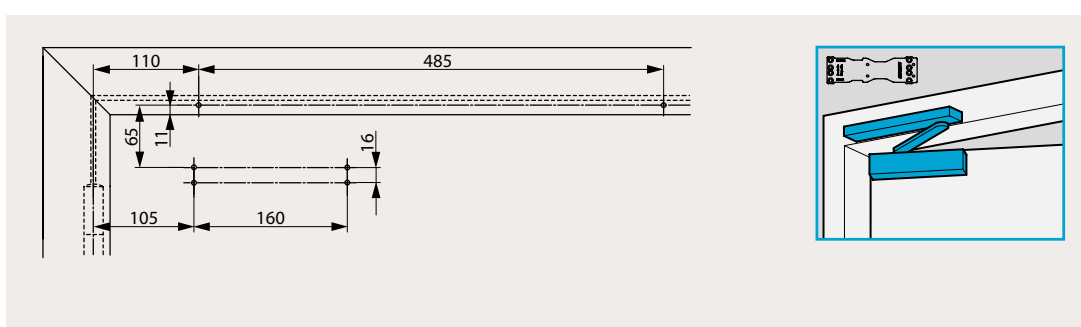
#### Direct leaf mounting on non-hinge side

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



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

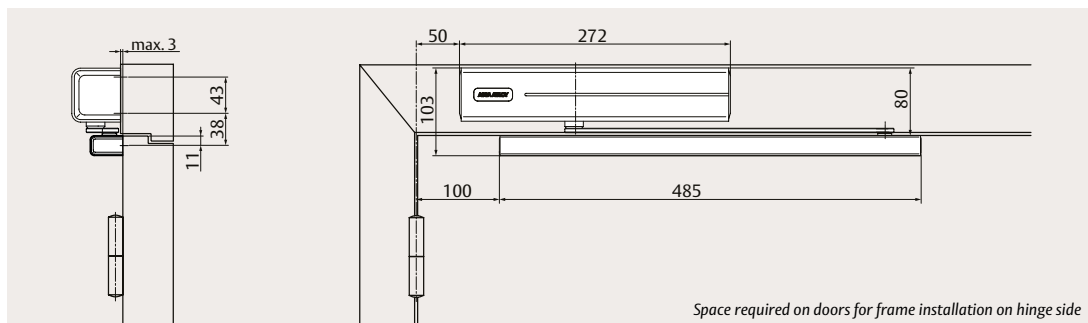
The drawing illustrates  
installation on right-handed  
doors. For left-handed doors,  
it is the reverse.





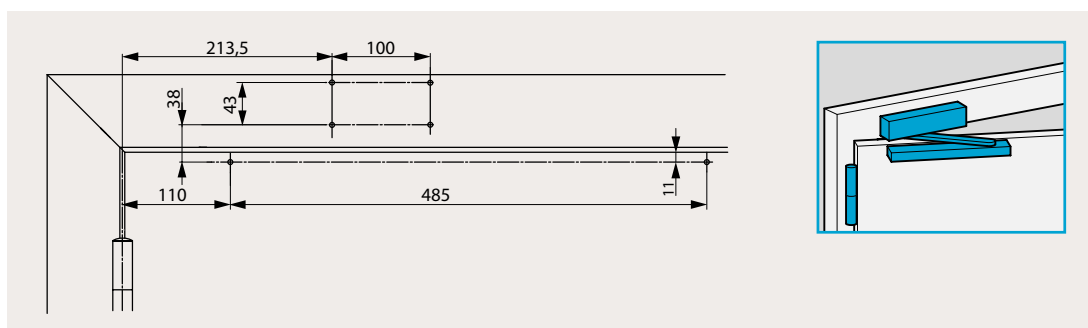
## DC700

## Space requirement and mounting dimensions



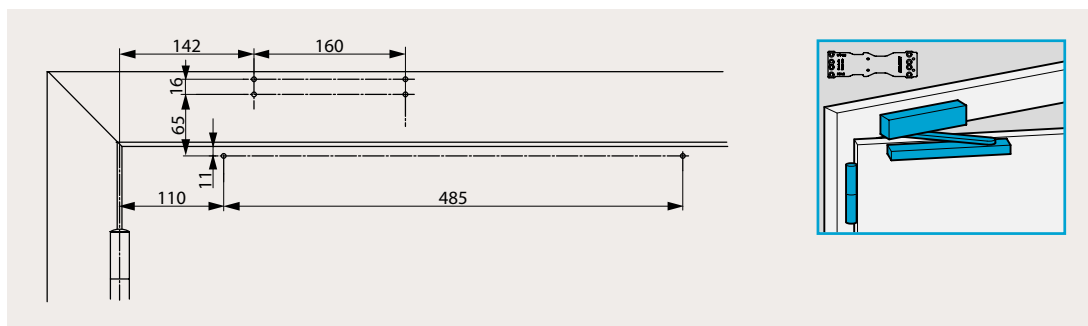
### Direct frame mounting on hinge side

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



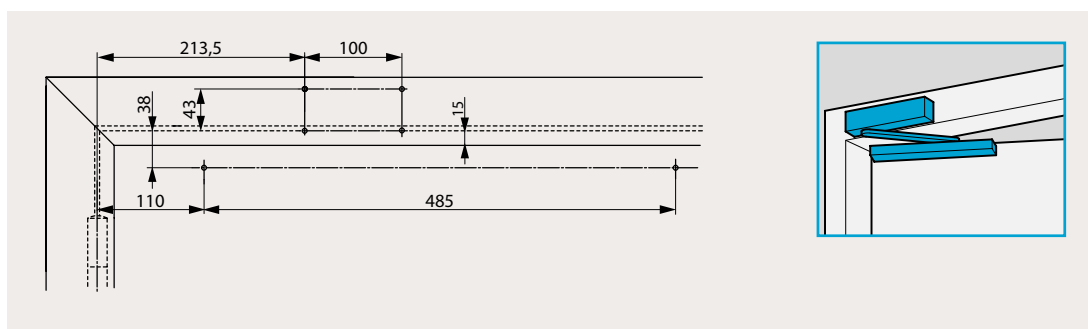
### Mounting plate frame mounting on hinge side

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



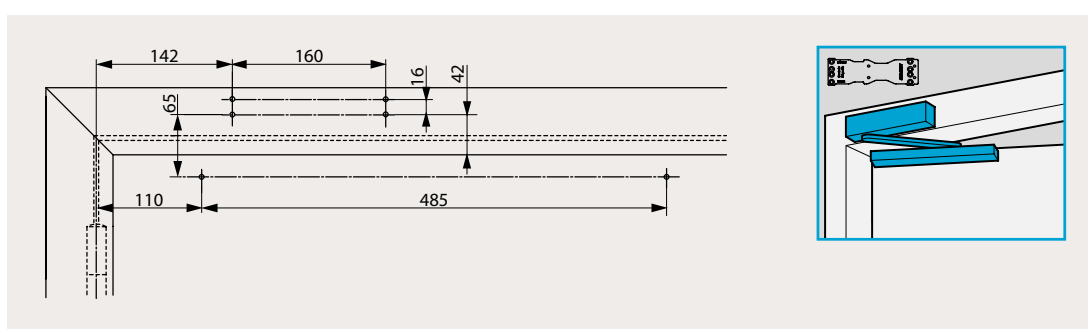
### Direct frame mounting on non-hinge side

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.

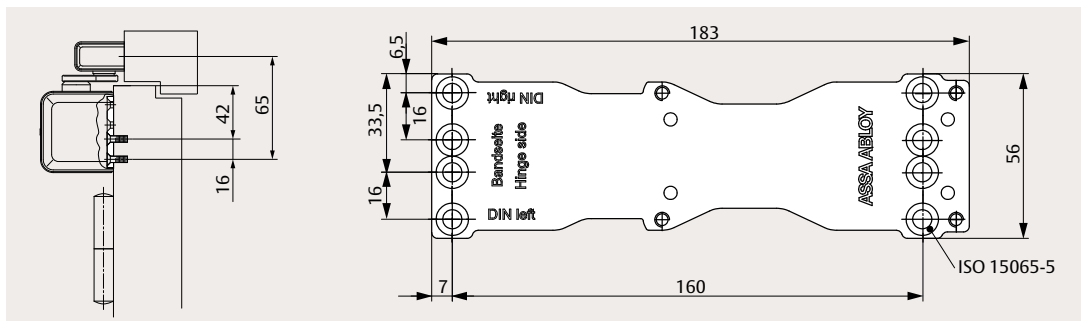


## DC700

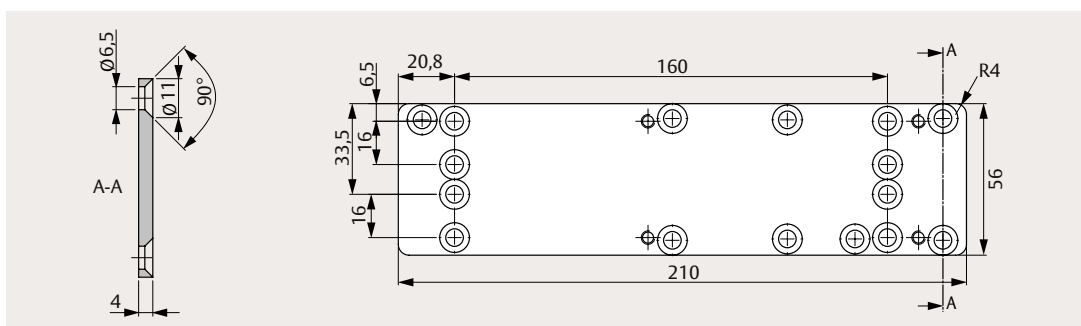
### Accessories

The full list of accessories is available under order information.

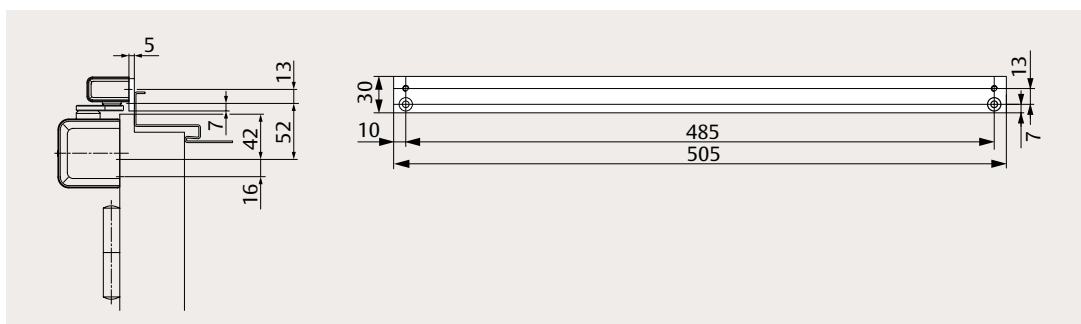
**A120 mounting plate**  
for door closer;  
in compliance with DIN  
EN 1154, supplement 1



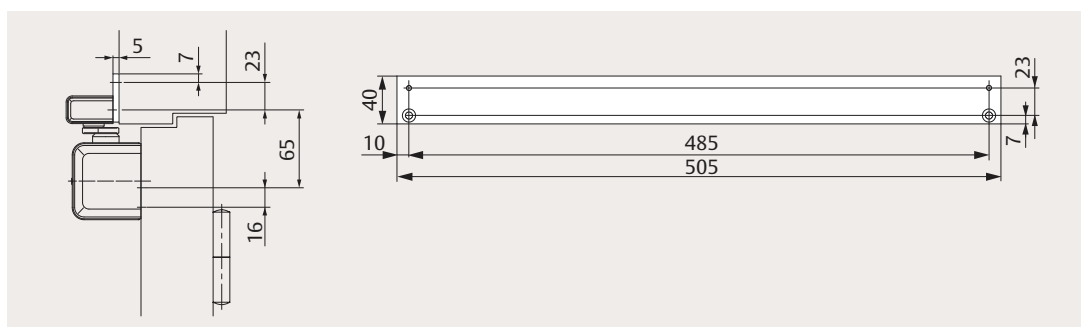
**A124 replacement plate**  
for renovation  
applications



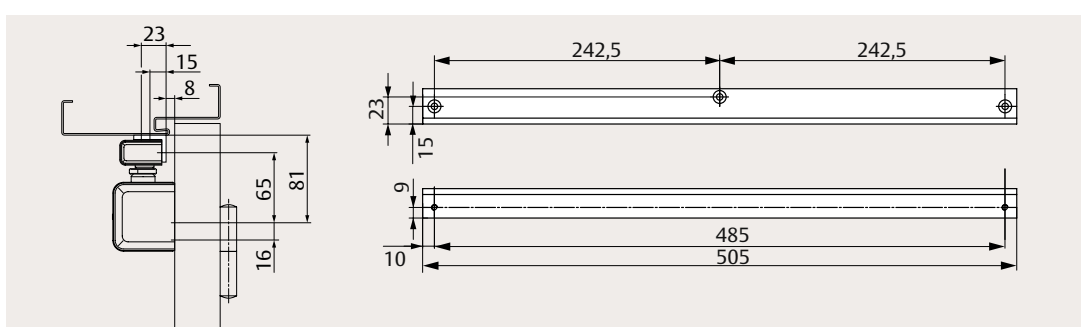
**A130 mounting plate**  
for guide rail



**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-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

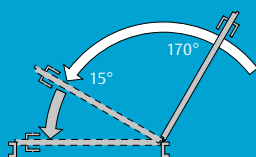
### Product variants

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

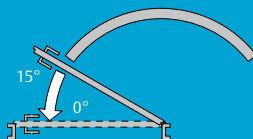
### Accessories

- **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)

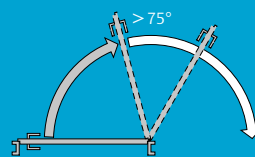
### Independent adjustment via front-facing valves



Closing speed (C)



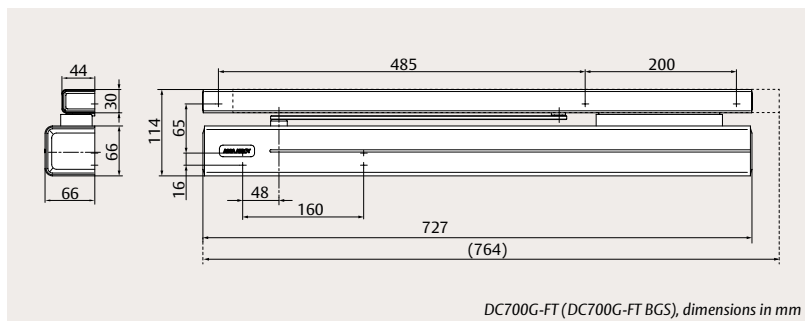
Latch speed (L)



Backcheck (B)

# DC700G-FT

## Technical attributes and certification



### Technical attributes

#### Door closer

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

#### Escape door strike

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



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



### Certification and testing

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

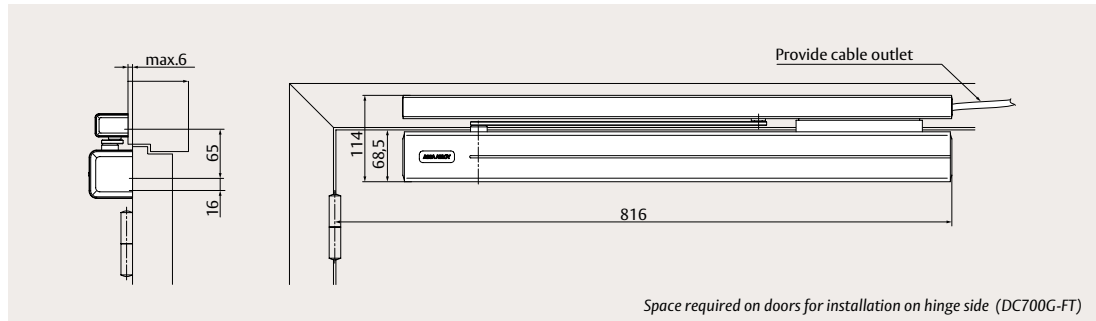


## DC700G-FT

### Space requirement and mounting dimensions

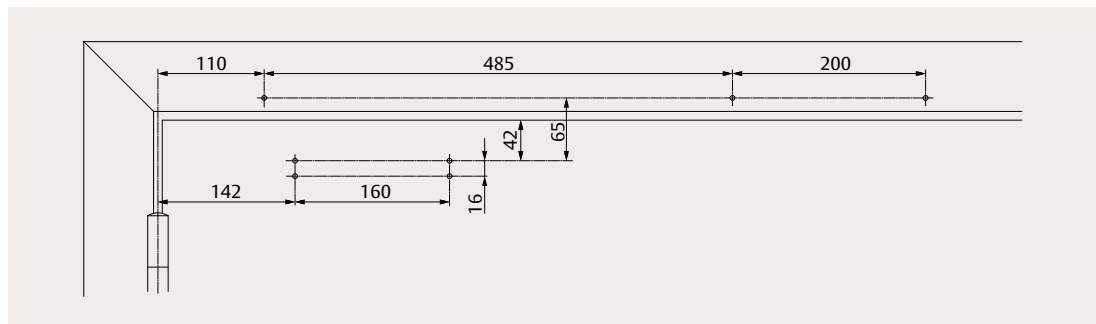


Scan the QR code  
to watch the  
installation video



#### 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).

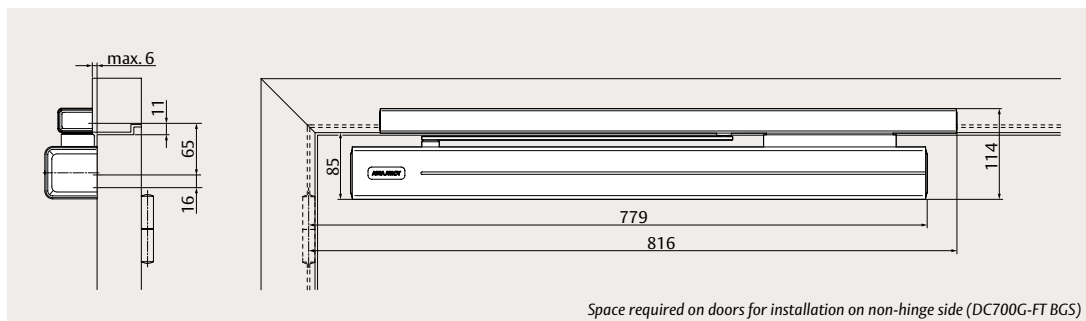
Adjustment option on escape door strike (FaFix®) of  $\pm 1$  mm (0.5 mm increments) and latch bolt lock of  $\pm 6/-3$  mm horizontally and  $\pm 8/-4$  mm vertically (4 mm increments) to compensate smaller differences in measurements.

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.



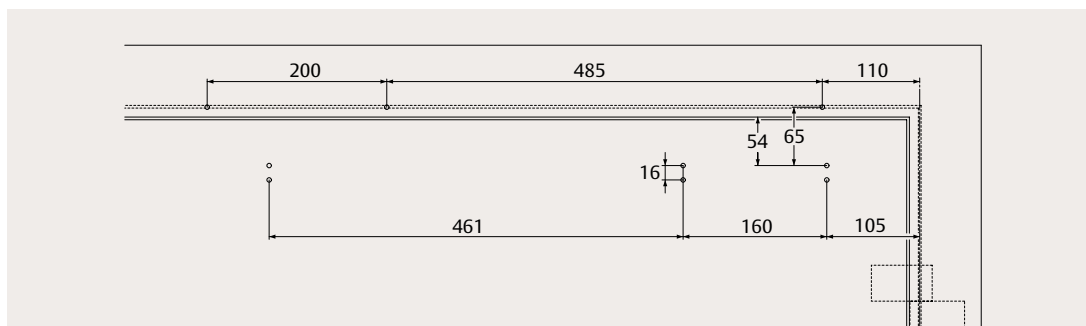
## DC700G-FT

### Space requirement and mounting dimensions



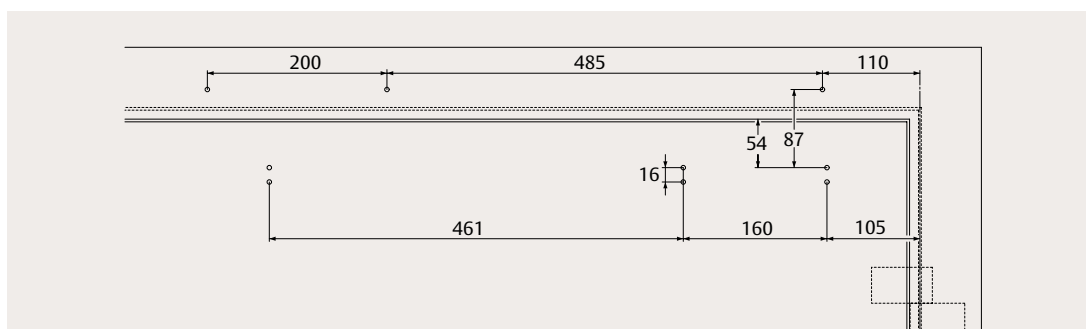
#### Direct leaf mounting on non-hinge side

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).

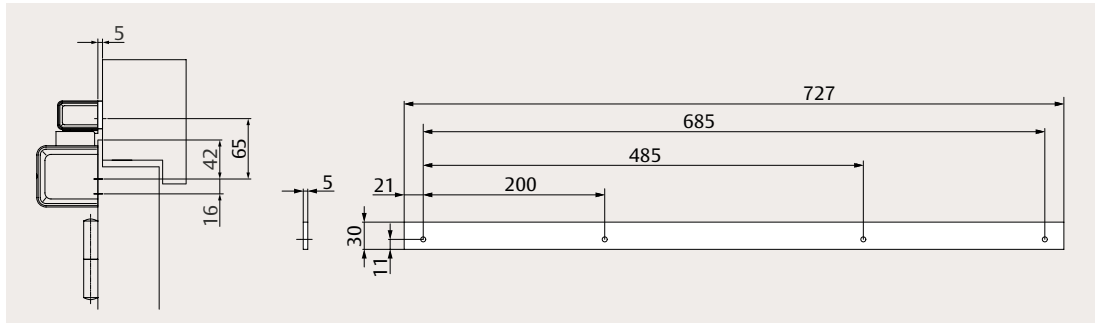
Adjustment option on escape door strike (FaFix®) of  $\pm 1$  mm (0.5 mm increments) and latch bolt lock of  $\pm 6$  mm horizontally and  $\pm 8$  mm vertically (4 mm increments) to compensate smaller differences in measurements.

## DC700G-FT

### Accessories

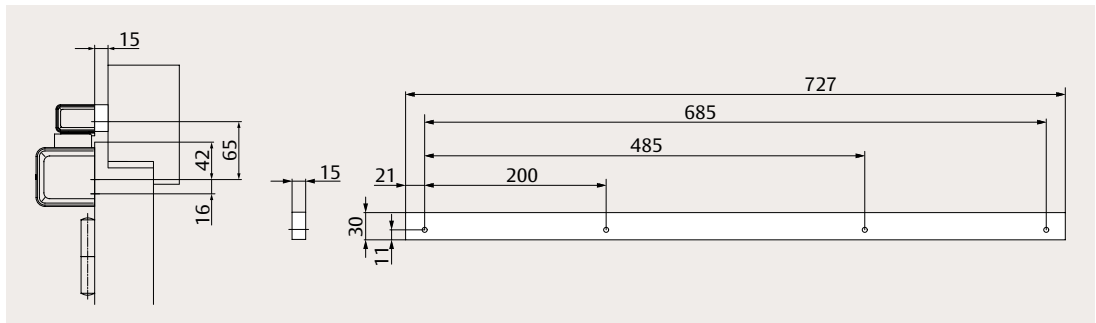
#### DCFA01 spacer plate, 5 mm

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



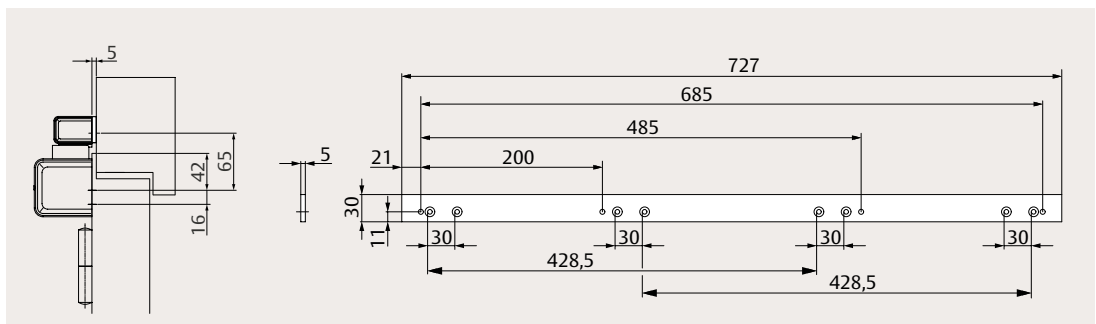
#### DCFA02 spacer plate, 15 mm

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



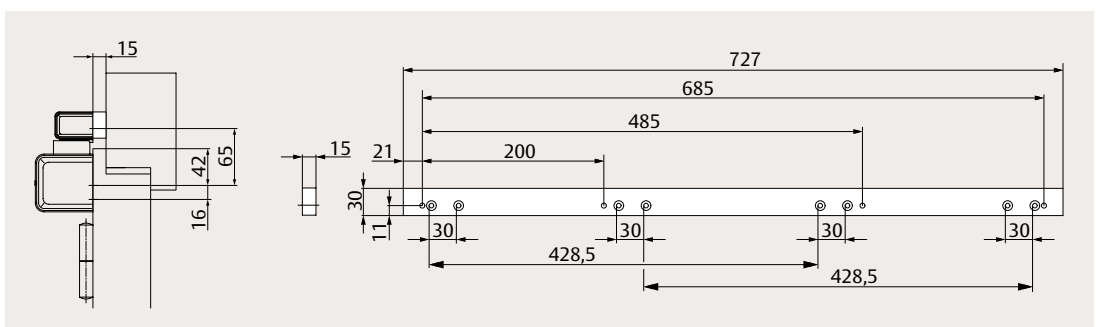
#### DCFA03 spacer and replacement plate, 5 mm

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

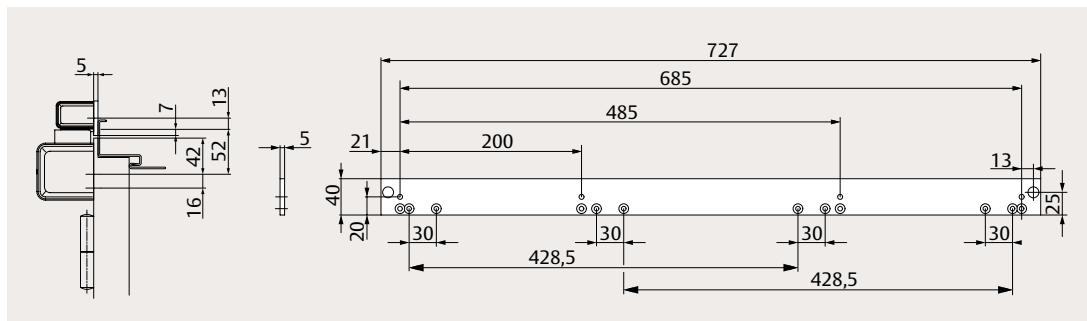


## DC700G-FT

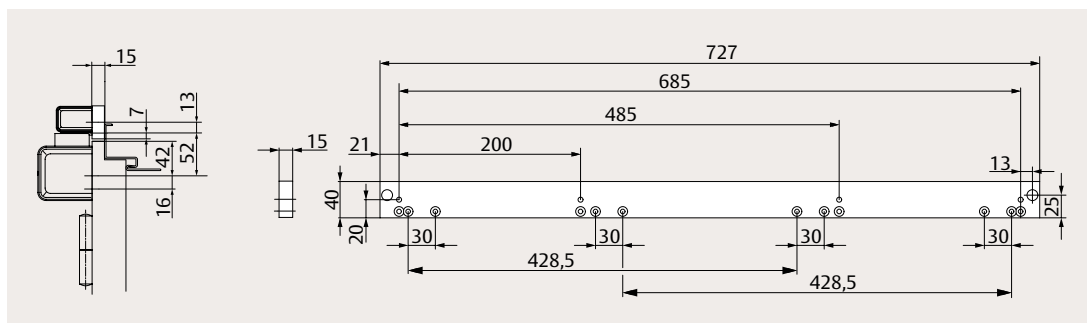
## Accessories

**DCFA05 mounting and replacement plate for narrow frames, 5 mm**

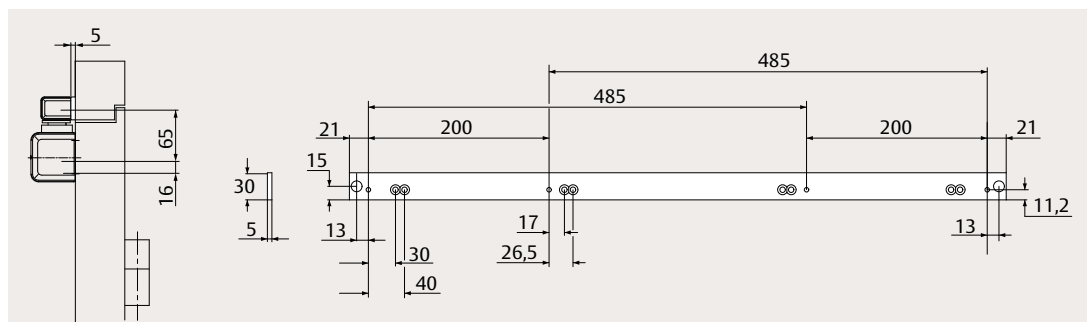
for use on narrow rebate doors with a max. door leaf overlap of 8 mm;  
hinge side

**DCFA06 mounting and replacement plate for narrow frames, 15 mm**

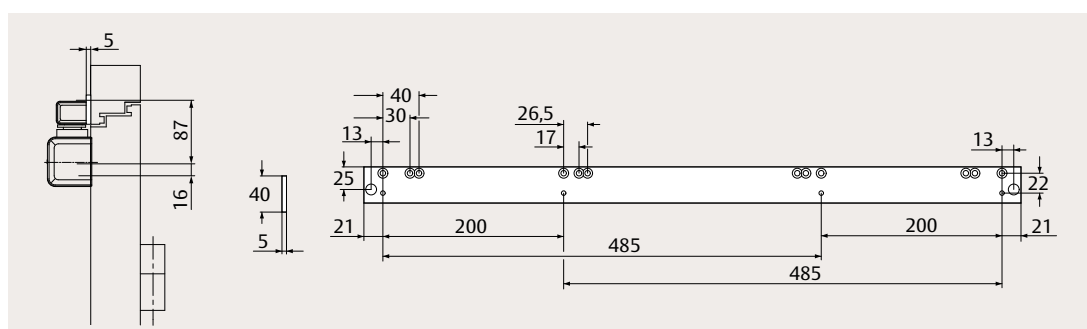
for use on wide rebate doors with a max. door leaf overlap of 18 mm;  
hinge side

**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





## 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

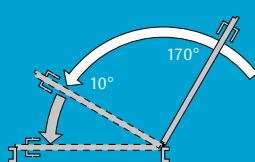
### Features

- 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)

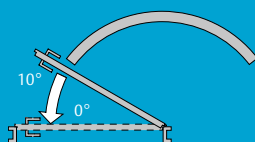
### Guide rails and accessories

- **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)

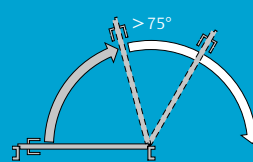
### Independent adjustment via front-facing valves



Closing speed (C)



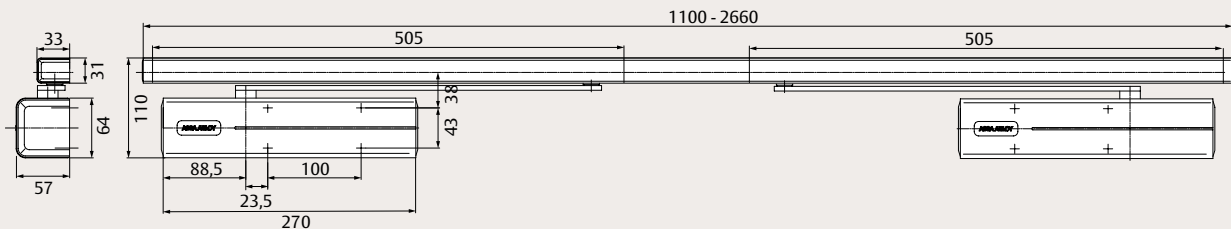
Latch speed (L)



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)<br>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)<br>3   8   3-6   1   1   3 (EN 1155)<br>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<br>DIN 18040 (max. leaf width 1250 mm)   |
| Third-party verified EPD                     | ISO 14025, EN 15804   |

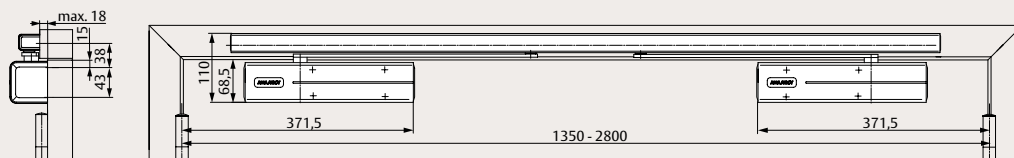


# DC700 with G462 / G464

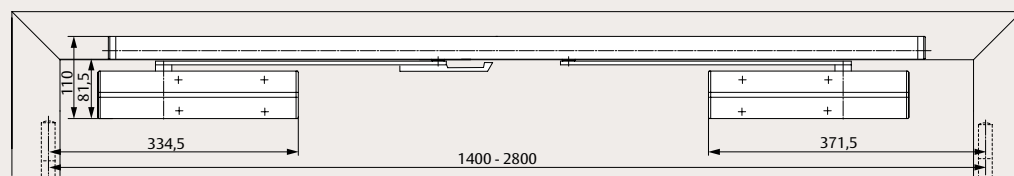
## Space requirement and mounting dimensions



Scan the QR code  
to watch the  
installation video



Space required on doors for installation on hinge side

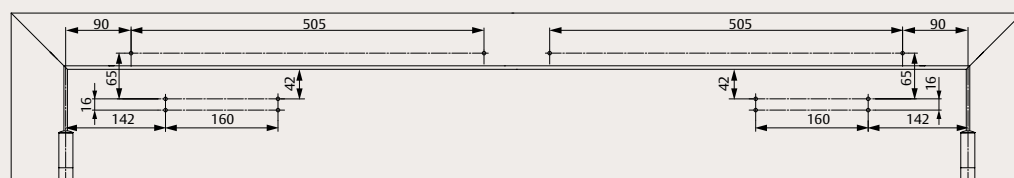


Space required on doors for installation on non-hinge side

### Mounting plate mounting

on hinge side

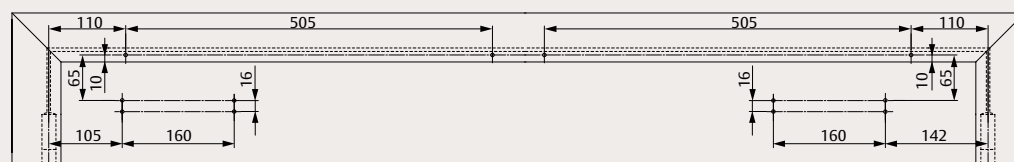
The right-handed door is  
the active door leaf. The left-  
handed door is the passive  
door leaf.



### 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.



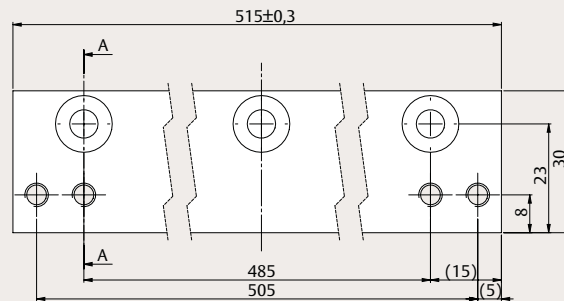
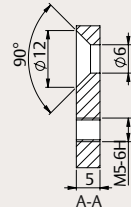
# DC700 with G462 / G464

## Accessories

The full list of accessories is available under order information.

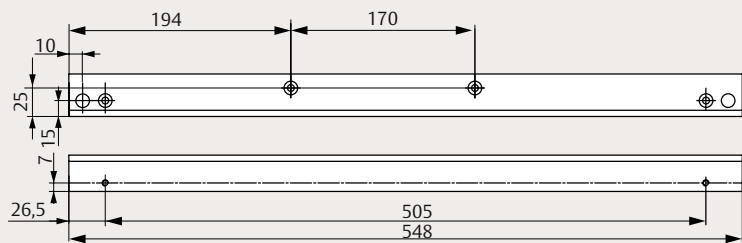
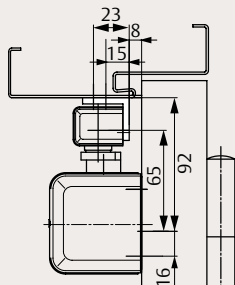
### A115 mounting plate for guide rail

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

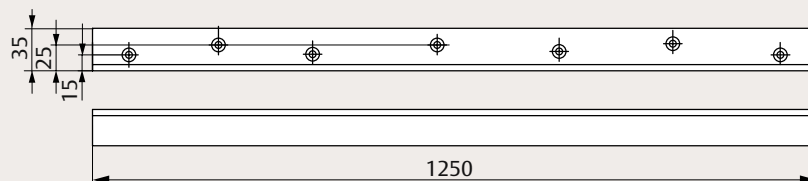


### A116 angle bracket for guide rail, non-hinge side mounting

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                | DCG462----DEV1- |
| G462 with mechanical coordinator and two electro-mechanical hold-open devices, white, similar to RAL 9016 | DCG462----D9016 |
| G462 with mechanical coordinator and two electro-mechanical hold-open devices, brown, similar to RAL 8014 | DCG462----D8014 |
| G462 with mechanical coordinator and two electro-mechanical hold-open devices, black, similar to RAL 9005 | DCG462----D9005 |
| G462 with mechanical coordinator and two electro-mechanical hold-open devices, stainless steel            | DCG462----D35-- |
| G462 with mechanical coordinator and two electro-mechanical hold-open devices, customized finish          | DCG462----DXXXX |
| G464 with mechanical coordinator and one electro-mechanical hold-open device, silver, EV1                 | DCG464----DEV1  |
| G464 with mechanical coordinator and one electro-mechanical hold-open device, white, similar to RAL 9016  | DCG464----D9016 |
| G464 with mechanical coordinator and one electro-mechanical hold-open device, brown, similar to RAL 8014  | DCG464----D8014 |
| G464 with mechanical coordinator and one electro-mechanical hold-open device, black, similar to RAL 9005  | DCG464----D9005 |
| G464 with mechanical coordinator and one electro-mechanical hold-open device, stainless steel             | DCG464----D35-- |
| G464 with mechanical coordinator and one electro-mechanical hold-open device, customized finish           | DCG464----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                 | 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, black, similar to RAL 9005  | DCG120-----35-- |
| Hook arm G120, customized finish           | DCG120-----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



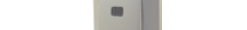
A116



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

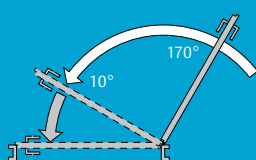
### Features

- 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

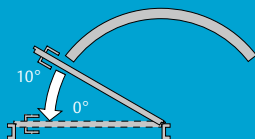
### Accessories

- **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)

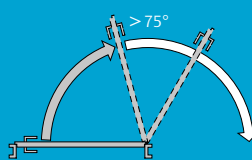
### Independent adjustment via front-facing valves



Closing speed (C)



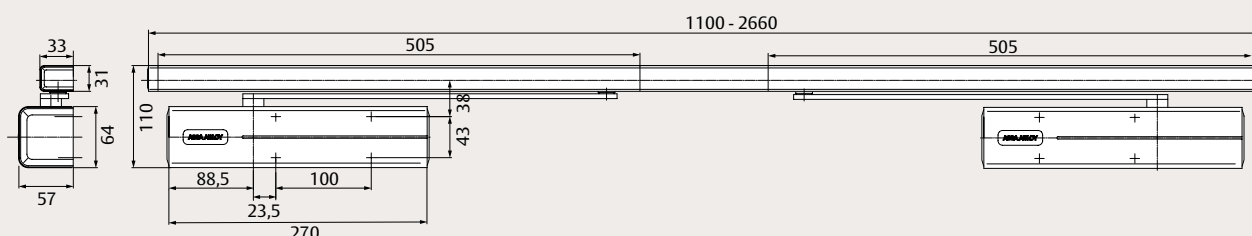
Latch speed (L)



Backcheck (B)

# DC700 with G461

## Technical attributes and certification



DC700 with G461, dimensions in mm



### Technical attributes

Guide rail G461 (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)<br>2800 – 3200 mm (hinge side, with A113)                      |
| Maximum opening angle of active leaf | DC700, DC500: 170°/105° (hinge side / non-hinge side)<br>DC700AC, DC340: 180°/105° (hinge side / non-hinge side) |
| Hold-open angle of passive leaf      | DC700, DC500: 170°/115° (hinge side / non-hinge side)<br>DC700AC, DC340: 180°/115° (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)  |



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### Certification and testing

|  |  |
|--|--|
| Certified in compliance with                 | EN 1154, EN 1158   |
| CE classification                            | 3   8   3-6   1   1   4 (EN 1154)<br>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<br>DIN 18040 (max. leaf width 1250 mm)                    |
| Third-party verified EPD                     | ISO 14025, EN 15804  |

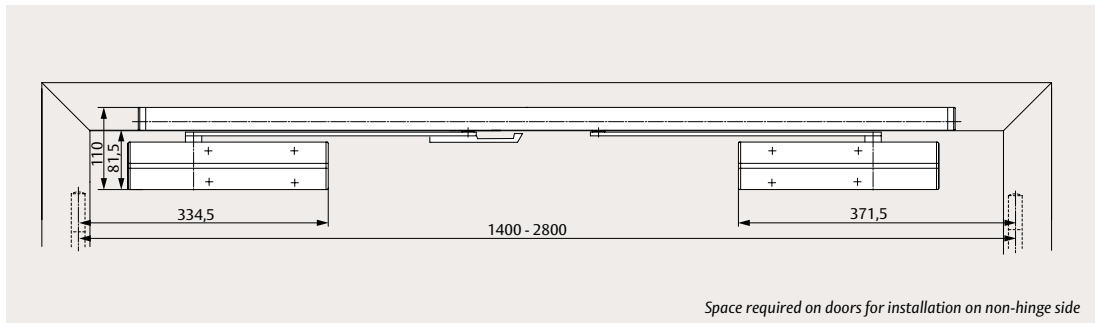
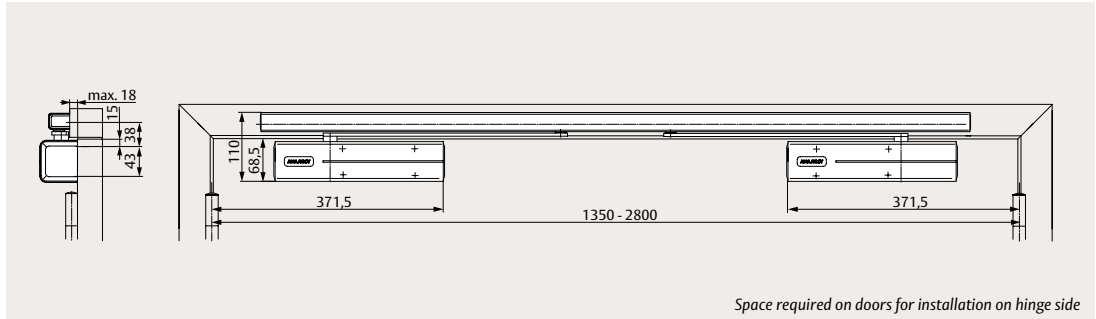


## DC700 with G461

### Space requirement and mounting dimensions

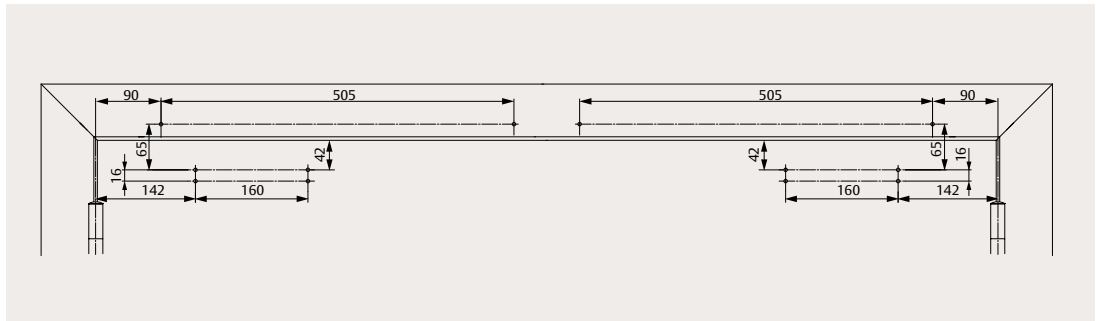


Scan the QR code  
to watch the  
installation video



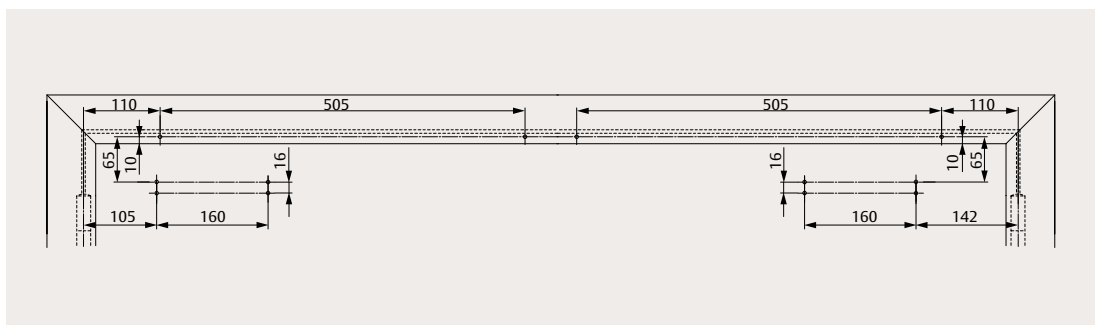
#### Mounting plate mounting on hinge side

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.





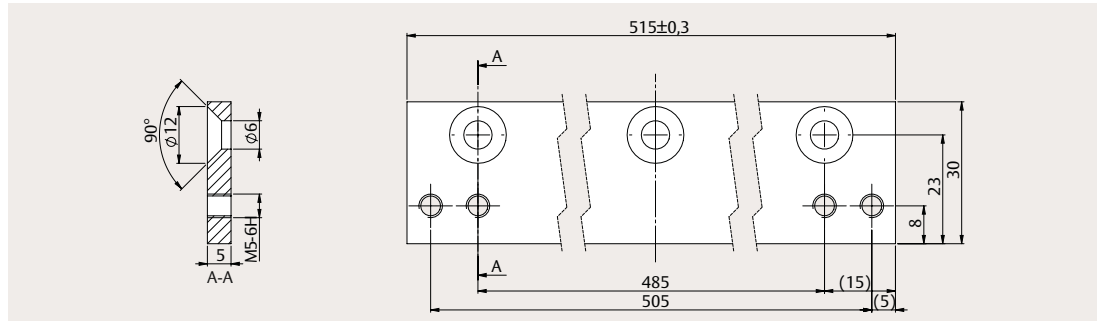
# DC700 with G461

## Accessories

The full list of accessories is available under order information.

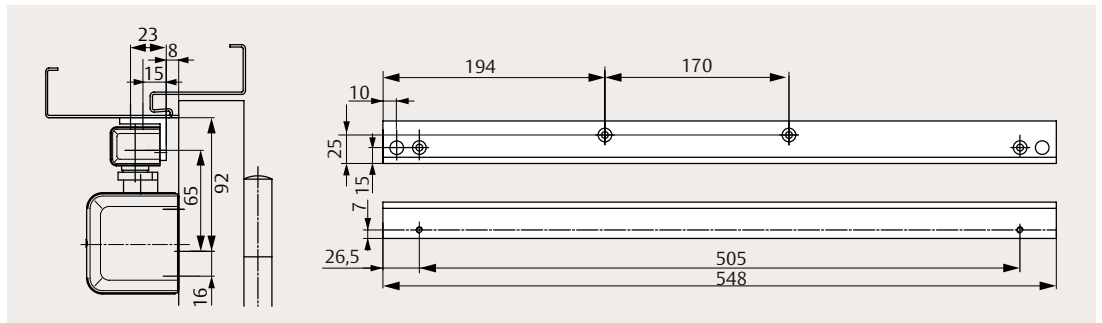
### A115 mounting plate for guide rail

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

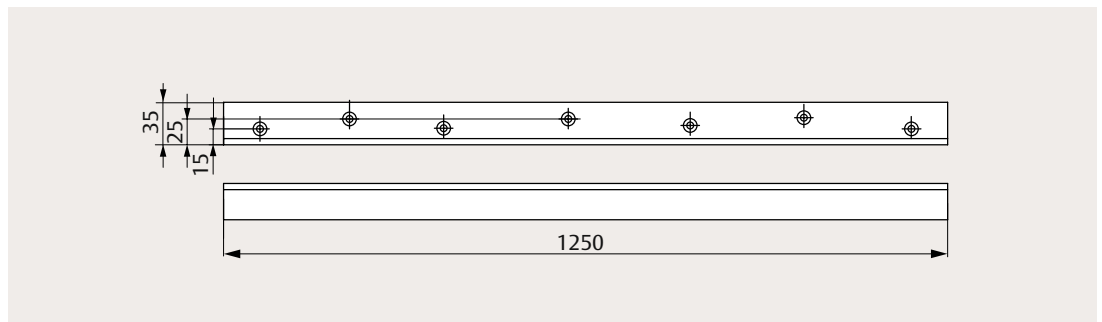


### A116 angle bracket for guide rail, non-hinge side mounting

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



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



# 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                 | 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 |
| 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

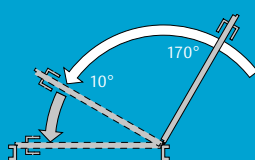
### Features

- 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

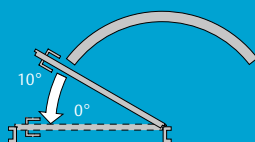
### Accessories

- **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

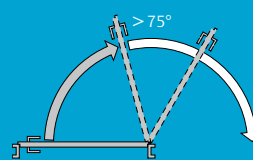
### Independent adjustment via front-facing valves



Closing speed (C)



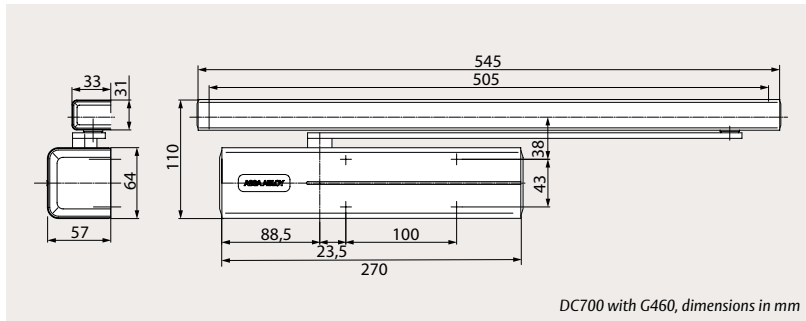
Latch speed (L)



Backcheck (B)

## DC700 with G460

### Technical attributes and certification



#### 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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download all relevant  
product literature



#### Certification and testing

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



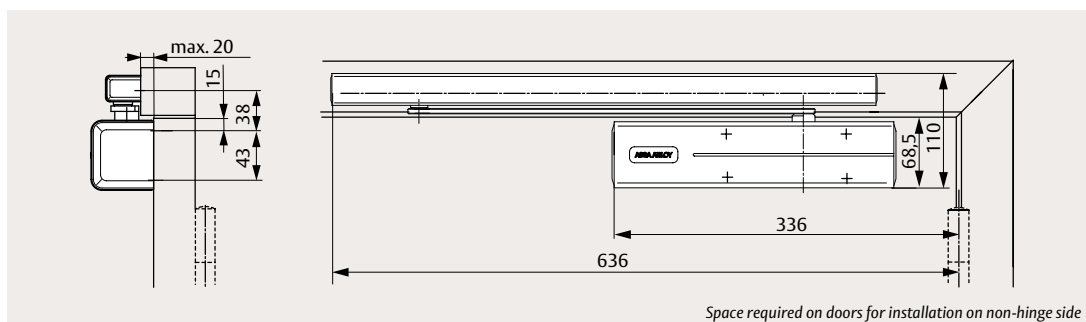
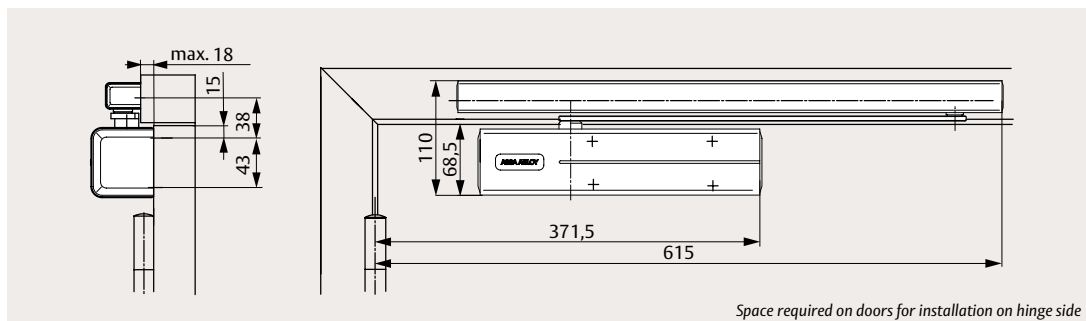


## DC700 with G460

## Space requirement and mounting dimensions



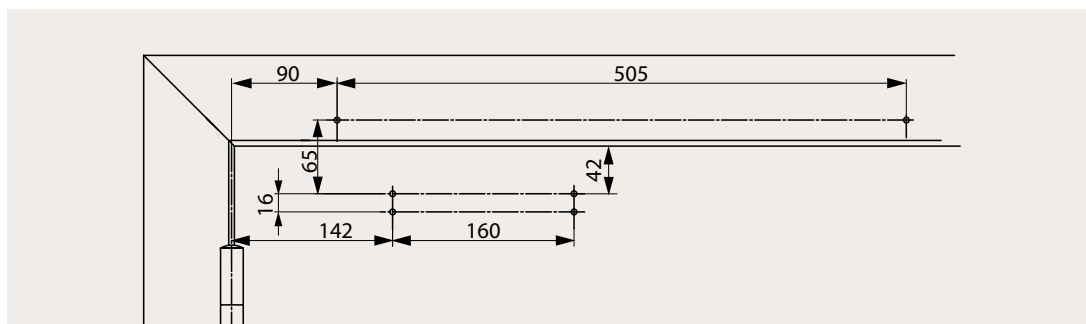
Scan the QR code  
to watch the  
installation video



### Mounting plate mounting

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

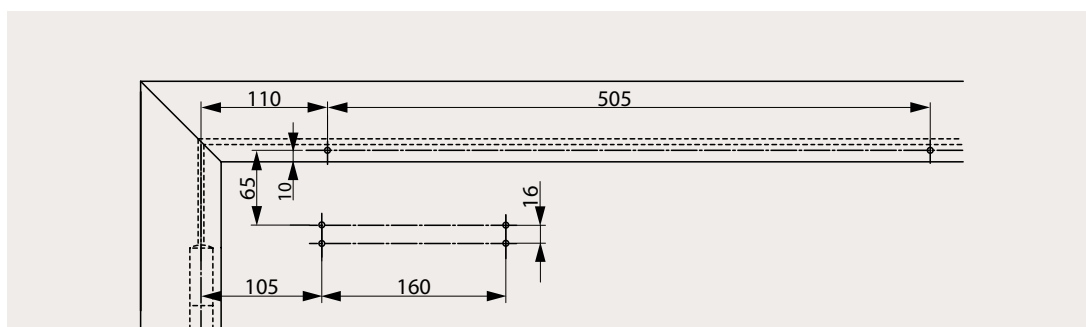
The drawing illustrates  
installation on left-handed  
doors. For right-handed doors,  
it is the reverse.



### Mounting plate mounting

on non-hinge side

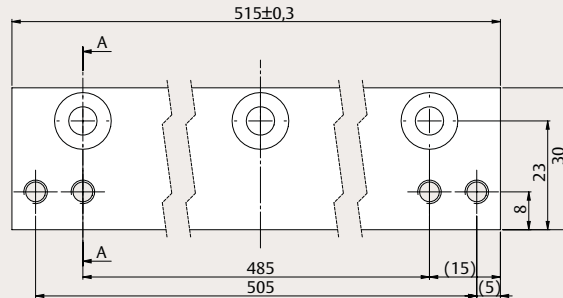
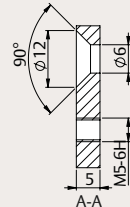
The drawing illustrates  
installation on right-handed  
doors. For left-handed doors,  
it is the reverse.



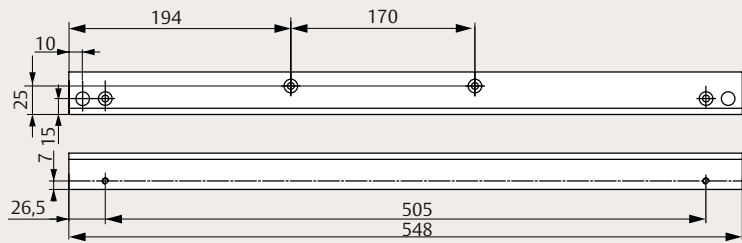
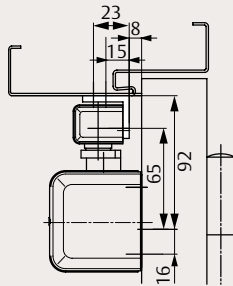
## DC700 with G460

### 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, silver          |
|--|-----------------|-----------------------|
| 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, white           |
| 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 | G460, brown           |
| Accessories  |                 | G460, black           |
| Mounting plate A115, silver, EV1                             | DCA115-----EV1- |                       |
| Mounting plate A115, customized finish                       | DCA115-----XXXX |                       |
| Angle bracket A116, silver, EV1                              | DCA116-----EV1- | G460, stainless steel |
| Angle bracket A116, customized finish                        | DCA116-----XXXX |                       |
| Flush mounted door release button A178                       | DCA178-----     |                       |
|  |                 | 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



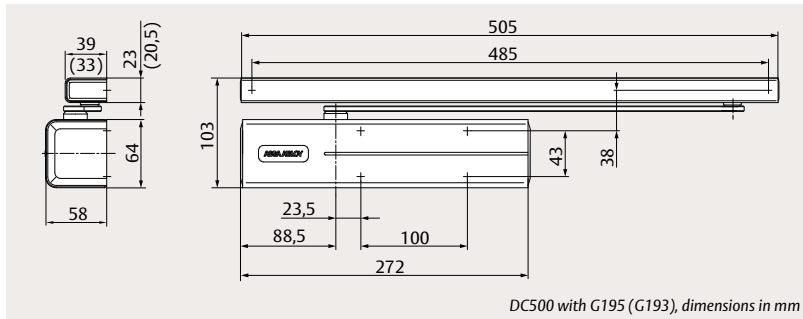
Leaf mounting on non-hinge side



Frame mounting on non-hinge side

## DC500

### Technical attributes and certification



#### Technical attributes

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



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download all relevant  
product literature

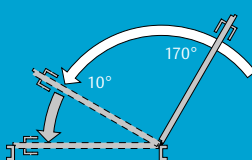


#### Certification and testing

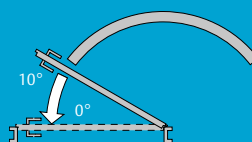
|   |                           |
|---|---------------------------|
| Certified in compliance with                    | EN 1154                   |
| CE classification                               | 3   8   1-4   1   1   4   |
| CE / UKCA mark                                  | Yes                 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



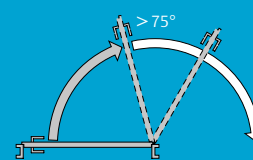
#### Independent adjustment via front-facing valves



Closing speed (C)



Latch speed (L)



Backcheck (B)\*

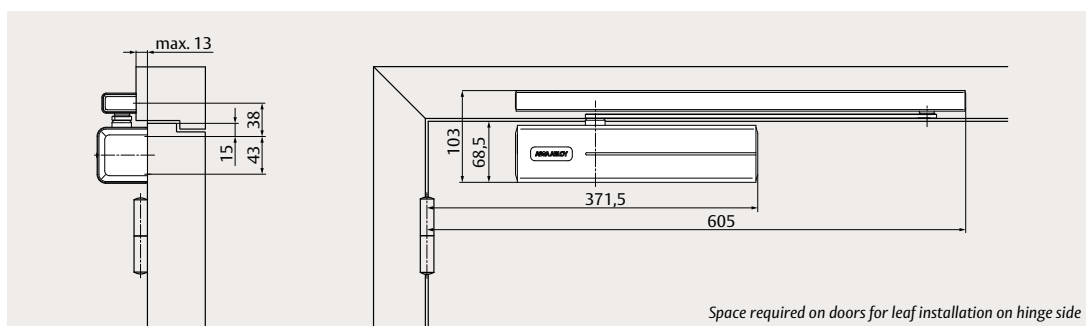
\* not for DC500Basic

## DC500

## Space requirement and mounting dimensions

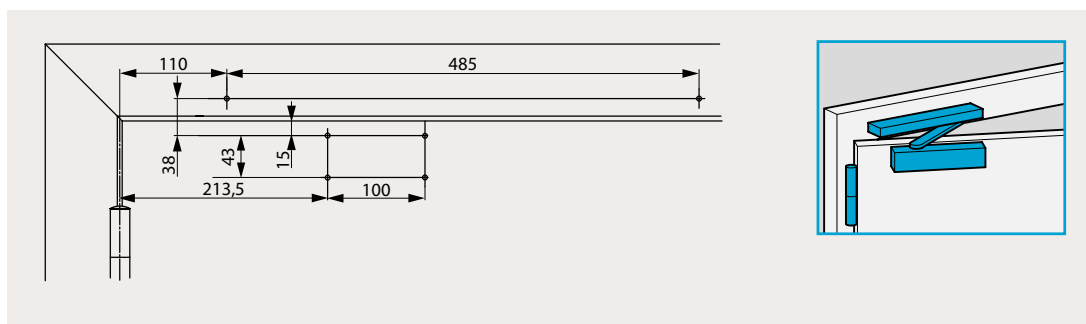


Scan the QR code  
to watch the  
installation video



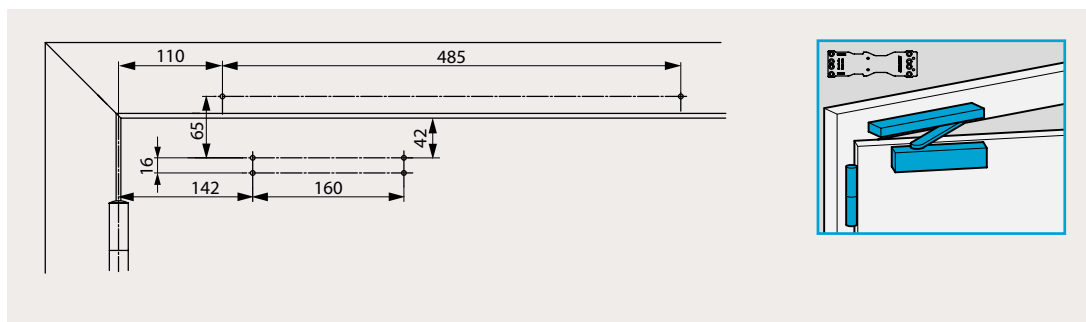
### Direct leaf mounting on hinge side

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



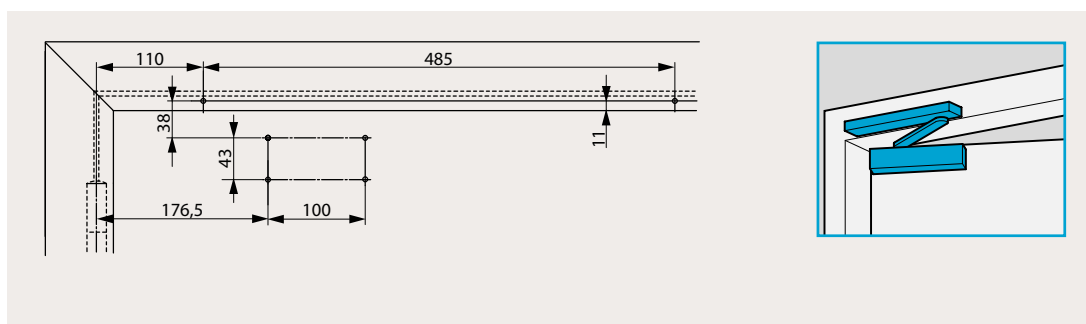
### Mounting plate leaf mounting on hinge side; in compliance with DIN EN 1154, supplement 1

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



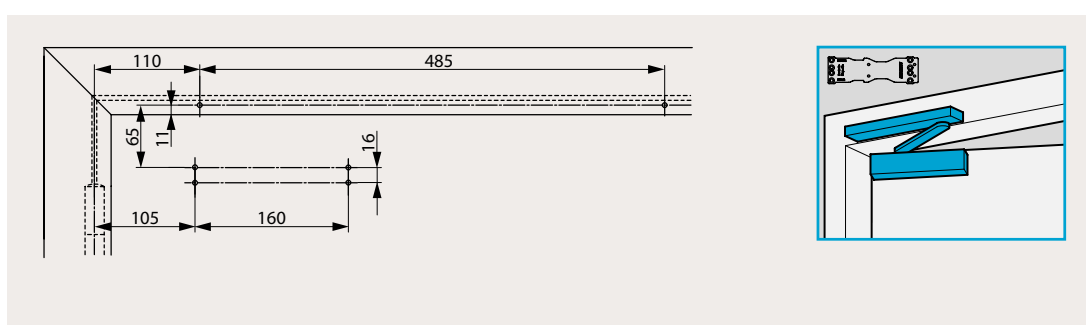
### Direct leaf mounting on non-hinge side

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



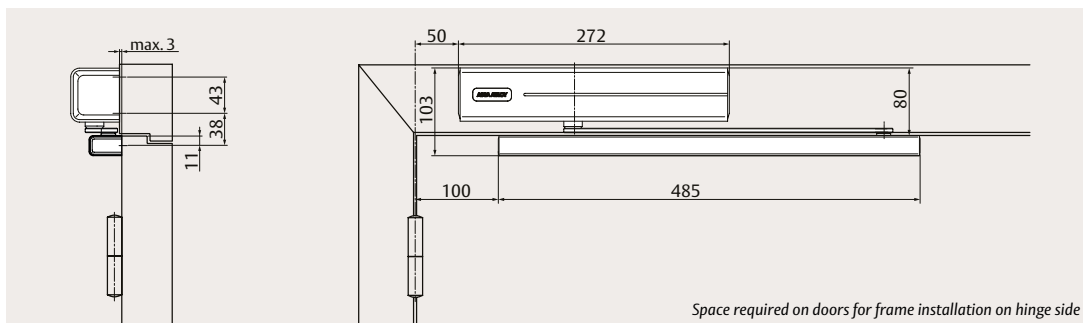
### Mounting plate leaf mounting on non-hinge side

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



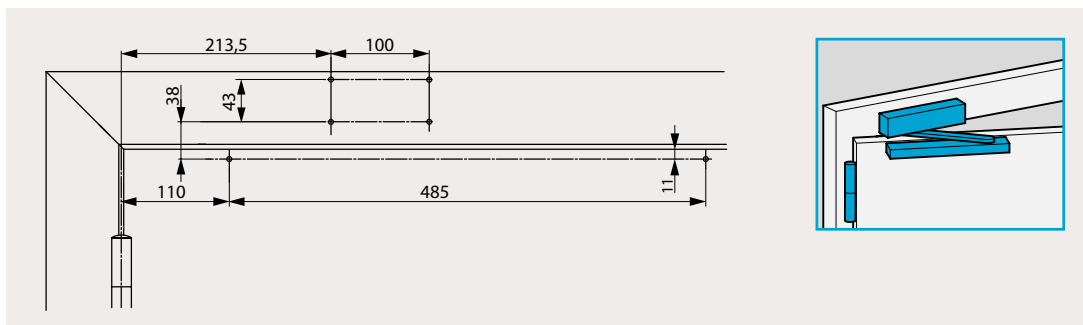
## DC500

### Space requirement and mounting dimensions



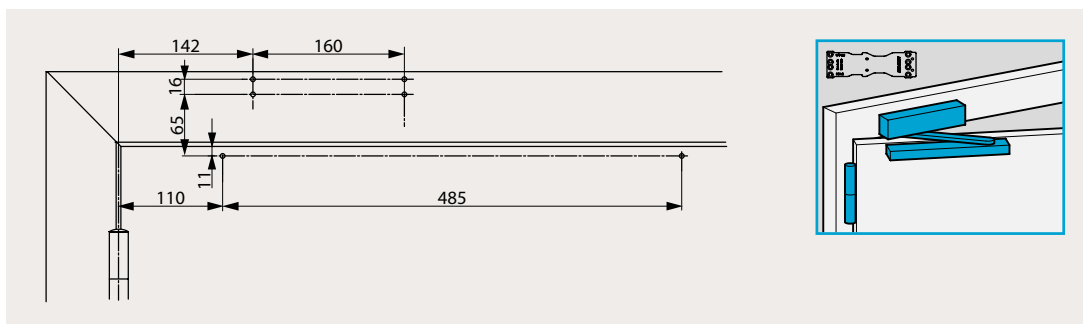
#### Direct frame mounting on hinge side

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



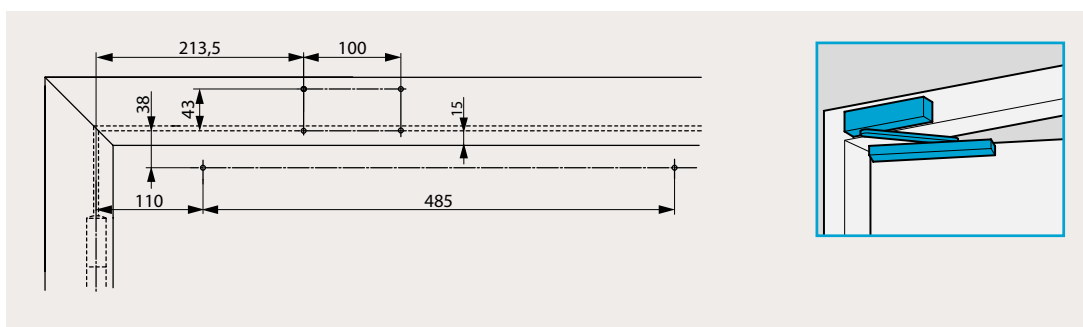
#### Mounting plate frame mounting on hinge side

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



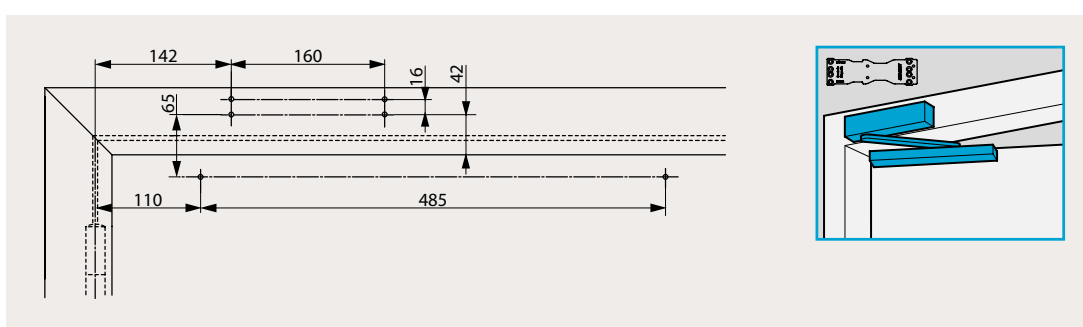
#### Direct frame mounting on non-hinge side

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.



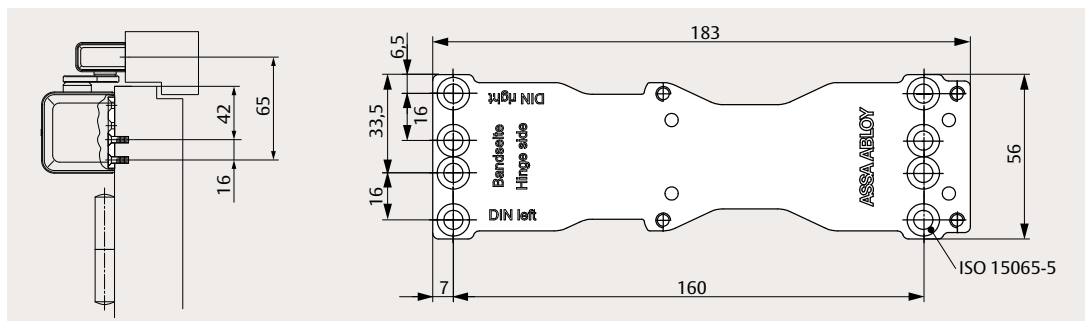


## DC500

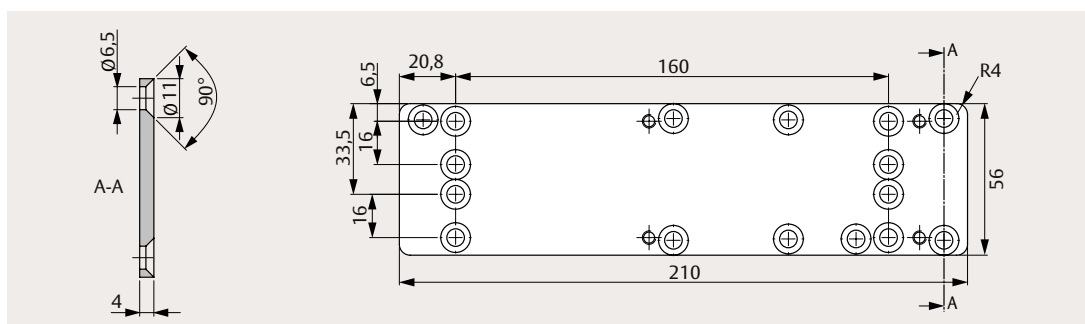
## Accessories

The full list of accessories is available under order information.

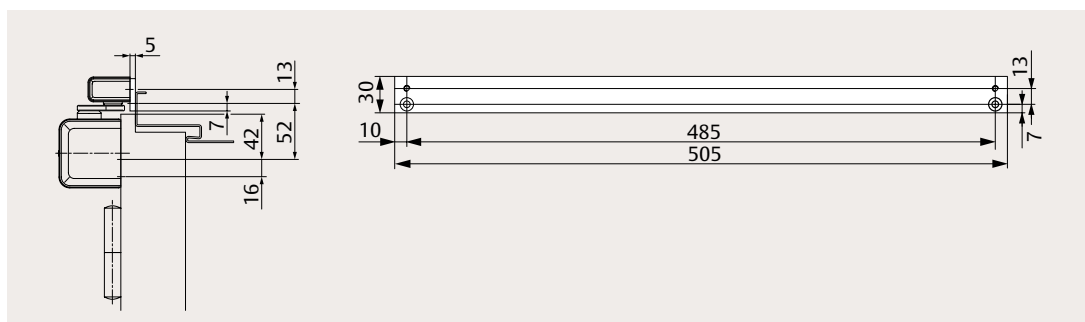
**A120 mounting plate**  
for door closer;  
in compliance with DIN  
EN 1154, supplement 1



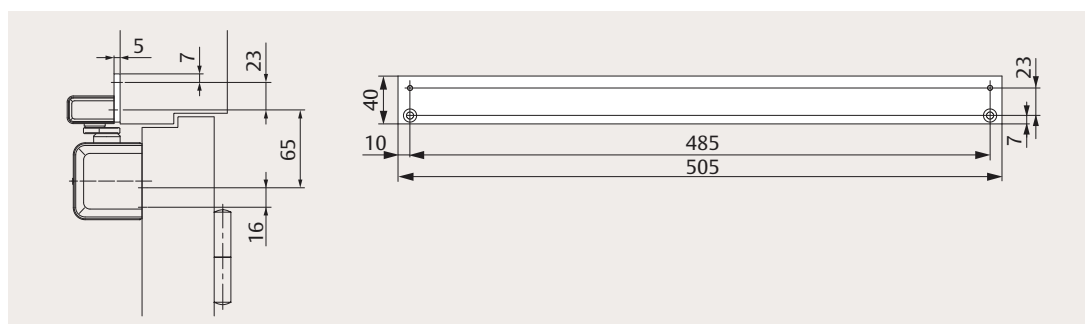
**A124 replacement plate**  
for renovation  
applications



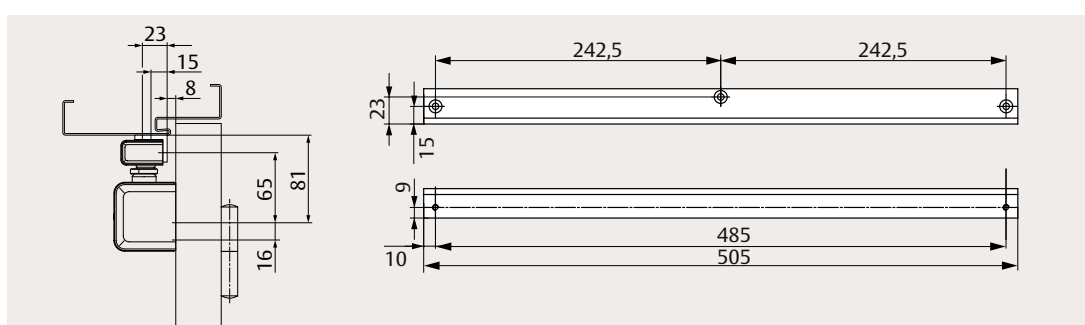
**A130 mounting plate**  
for guide rail



**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



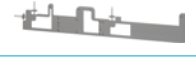
A166



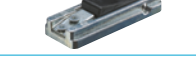
A190



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



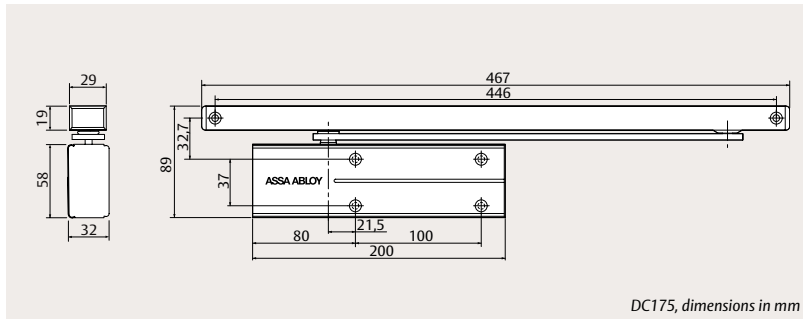
Leaf mounting on non-hinge side



Frame mounting on non-hinge side

## DC175

### Technical attributes and certification



#### Technical attributes

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



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download all relevant  
product literature

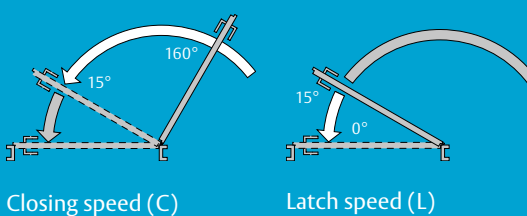


#### Certification and testing

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



#### Independent adjustment via front-facing valves

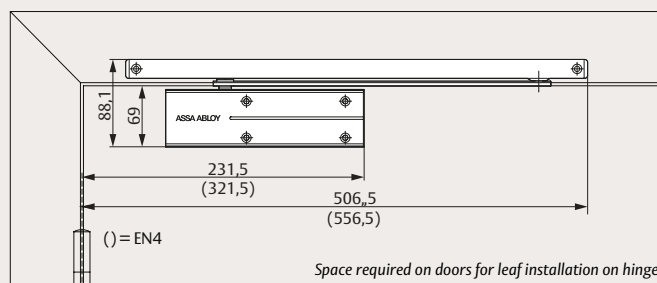
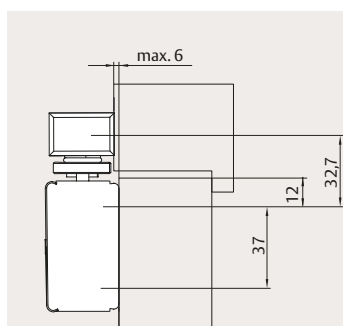


# DC175

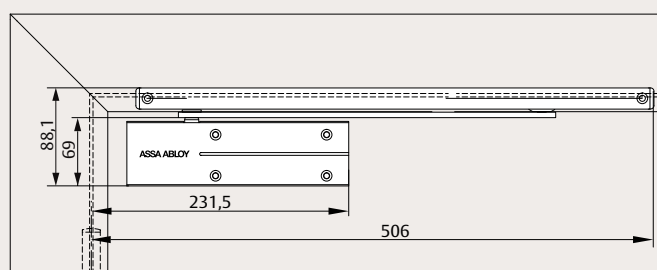
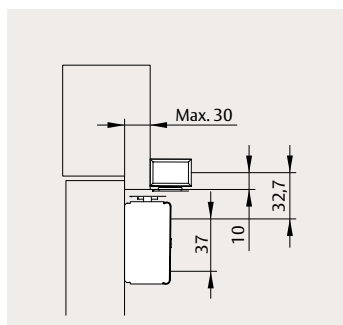
## Space requirement



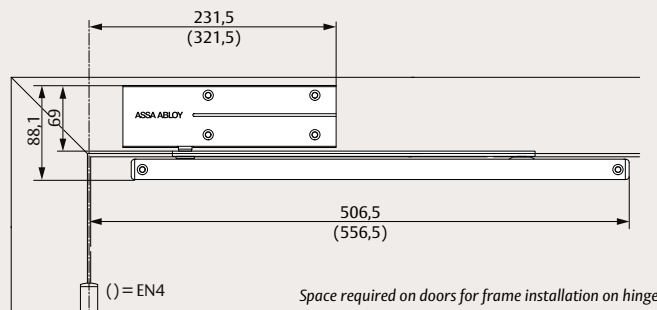
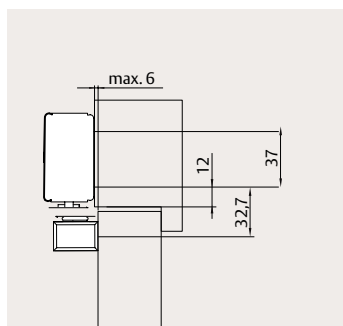
Scan the QR code  
to watch the  
installation video



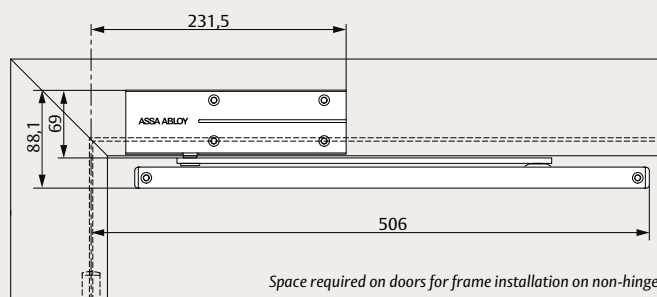
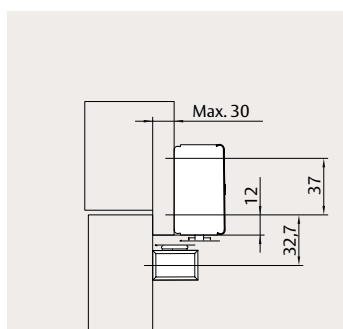
Space required on doors for leaf installation on hinge side



Space required on doors for leaf installation on non-hinge side



Space required on doors for frame installation on hinge side



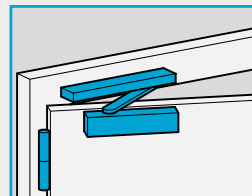
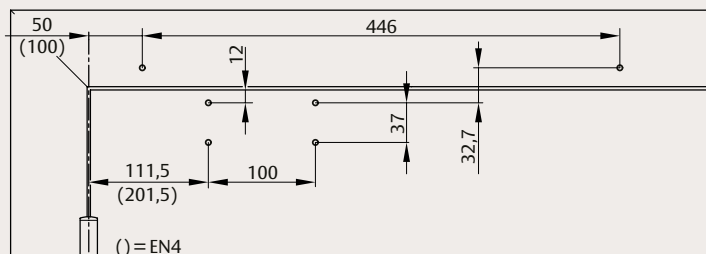
Space required on doors for frame installation on non-hinge side

## DC175

### Mounting dimensions

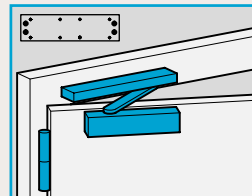
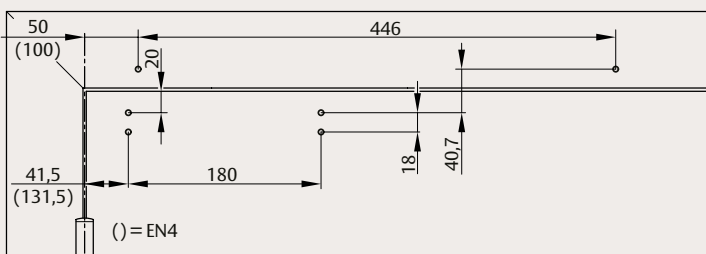
#### Direct leaf mounting on hinge side

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



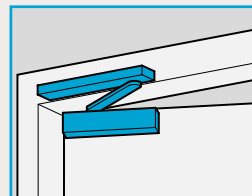
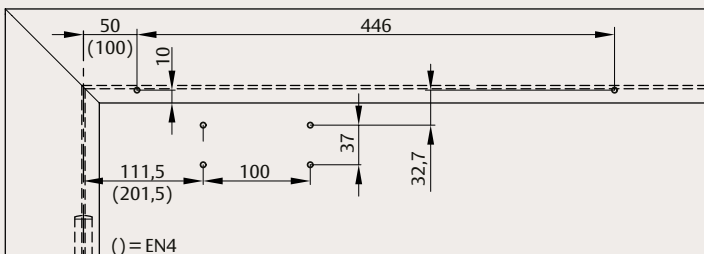
#### Mounting plate leaf mounting on hinge side

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



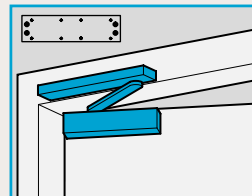
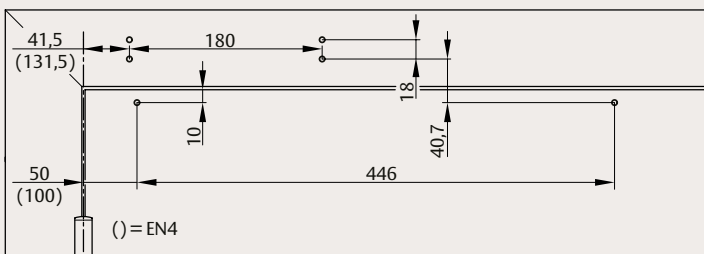
#### Direct leaf mounting on non-hinge side

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.



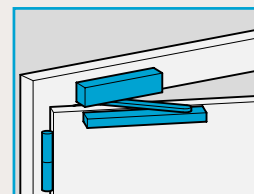
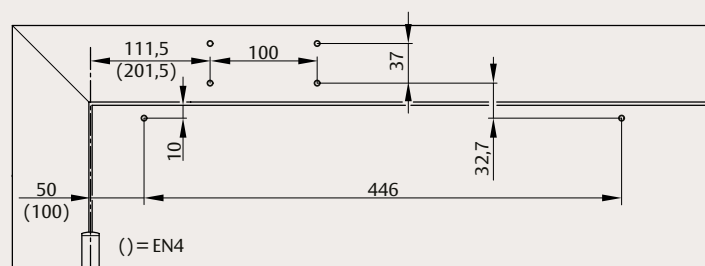


## DC175

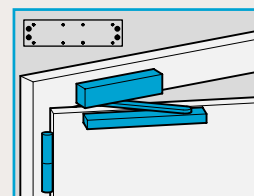
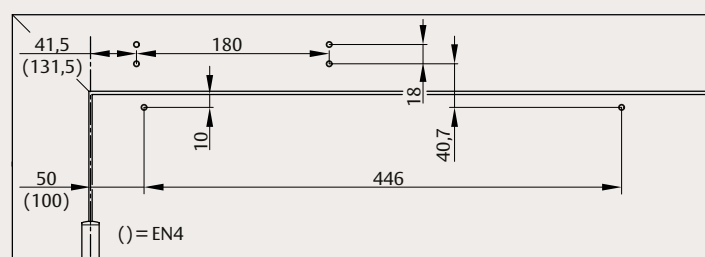
## Mounting dimensions

**Direct frame mounting  
on hinge side**

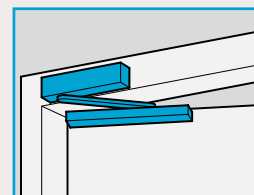
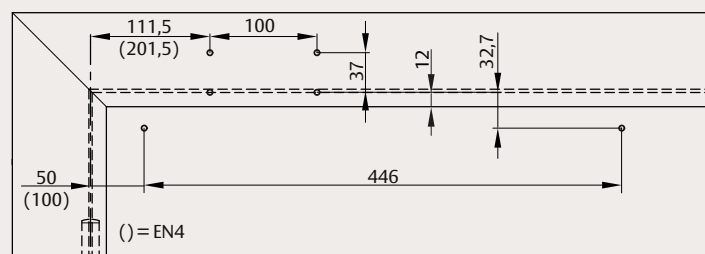
The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.

**Mounting plate  
frame mounting  
on hinge side**

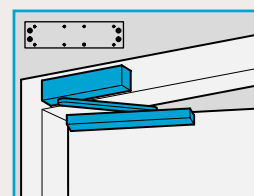
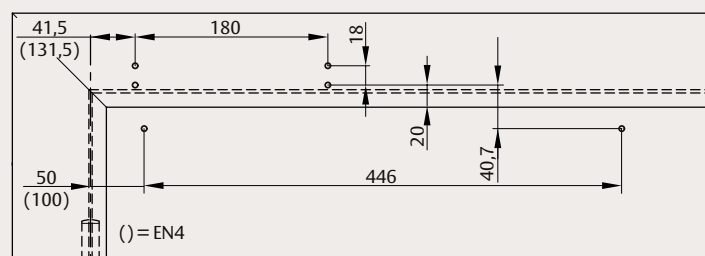
The drawing illustrates installation on left-handed doors. For right-handed doors, it is the reverse.

**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**

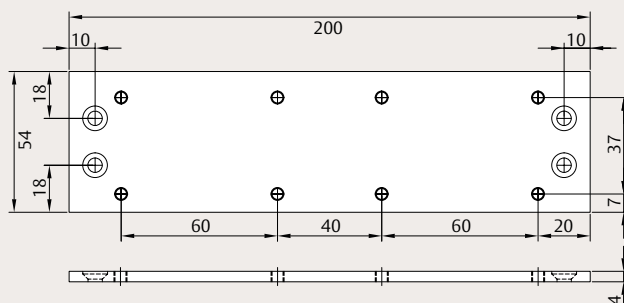
The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



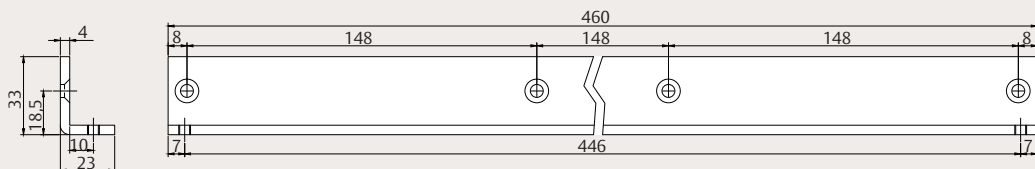
## DC175

### 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



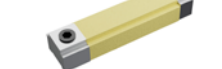
#### A280, black



#### 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.*

## DC870

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



DC870 with guide rail G897, silver, EV1

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

Concealed into the door leaf, DC870 delivers high performance to support all building users without diluting the impact of your entrance designs. The 20 mm guide rail version offers great compatibility with different mounting options. 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

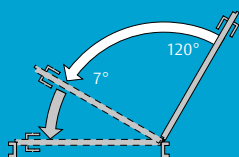
### Features

- 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

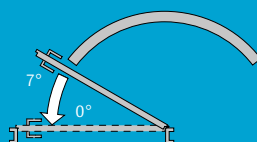
### Guide rails and accessories

- **G896** slim concealed guide rail (20 mm)
- **G897** standard concealed guide rail (29 mm)
- **A184** mechanical hold-open device for G896, **A278** mechanical hold-open device for G897, 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)
- **A182** mechanical opening damper for G896, **A279** mechanical opening damper for G897, continuously adjustable up to an opening angle of max. 100° (does not replace door stop)
- **6009450** profile mounting kit for G896, **6009451** profile mounting kit for G897, L-pieces for end of guide rail to be fitted on profile doors

### Independent adjustment via top-facing valves



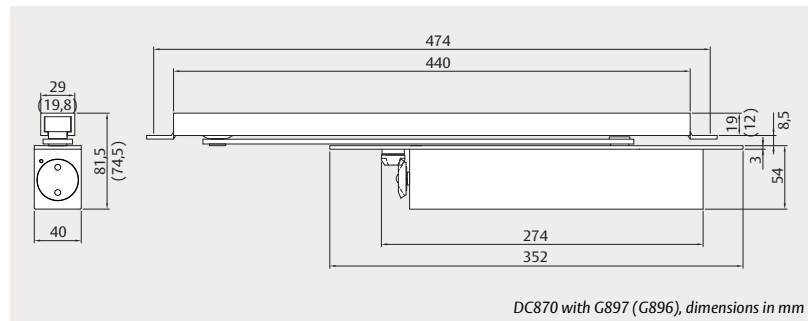
Closing speed (C)



Latch speed (L)

# DC870

## Technical attributes and certification



Scan the QR code  
to watch the  
installation video



### Technical attributes

|                        |                              |
|------------------------|------------------------------|
| Closing force          | EN size 3-6                  |
| Maximum leaf width     | 1400 mm                      |
| Minimum leaf thickness | 44 mm                        |
| Closing speed (C)      | Variable between 120° and 7° |
| Latch speed (L)        | Variable between 7° and 0°   |
| Maximum opening angle  | ~120°                        |
| Door system            | Single leaf                  |
| Handing                | Left- / right-handed         |
| Mounting options       | Concealed into door leaf     |
| Force adjustment       | Yes                          |
| Height adjustment      | No                           |
| Corrosion resistance   | Grade 3 (96 hours)           |
| Dimensions (H x D x L) | 54 x 40 x 274 mm             |



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download all relevant  
product literature



### Certification and testing

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

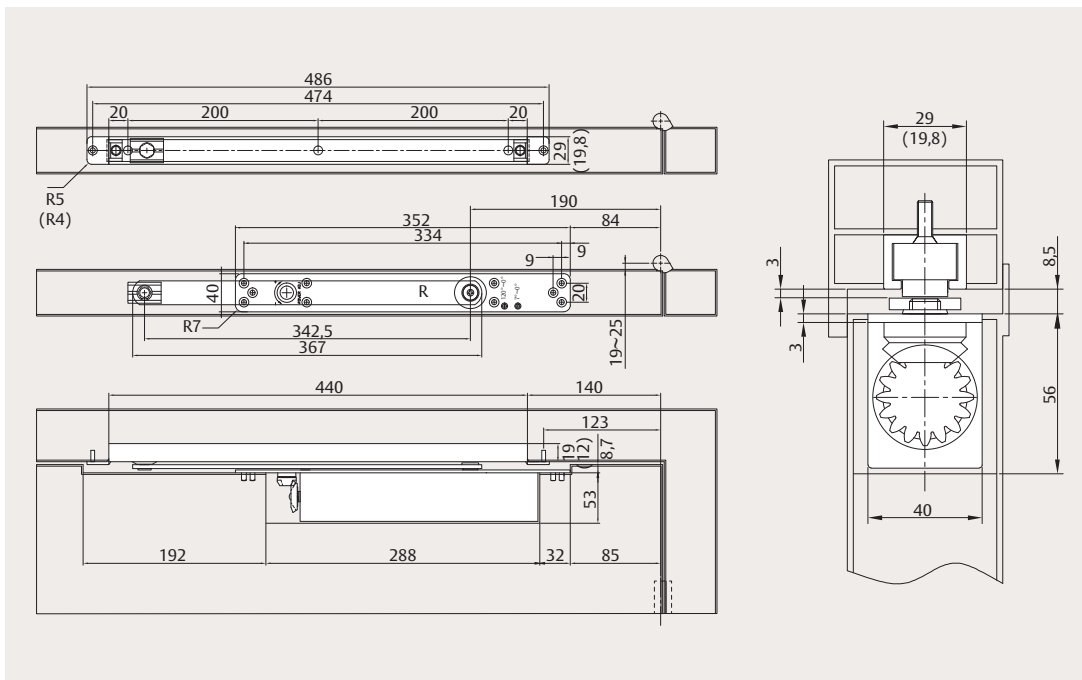


## DC870

### Mounting dimensions

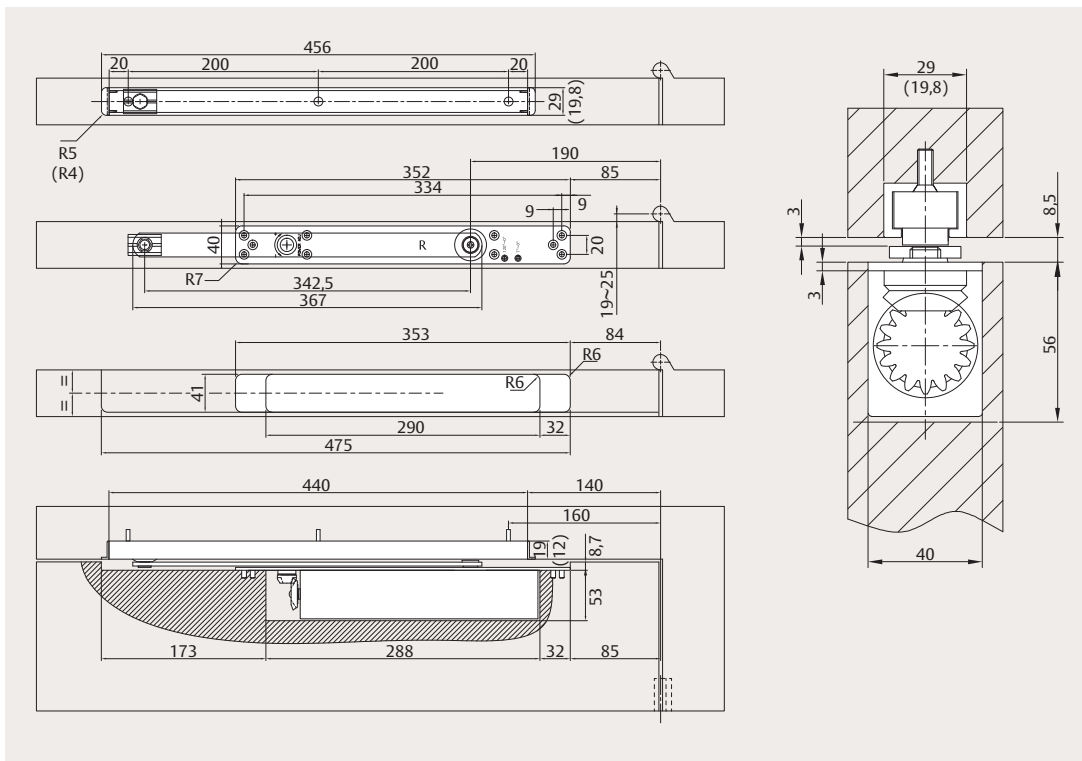
#### Leaf mounting on metal door with G897 (G896)

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



#### Leaf mounting on timber door with G897 (G896)

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





## DC870

## Order information

**Door closers**

|  |                 |
|--|-----------------|
| DC870, EN size 3-6, silver, EV1                        | DC870-----EV1-  |
| DC870, EN size 3-6, incl. guide rail G896, silver, EV1 | DC870---1--EV1- |

**Guide rails**

|  |                 |
|--|-----------------|
| Concealed guide rail G896, 20 mm, incl. end caps | DCG896-----EV1- |
| Concealed guide rail G897, 29 mm, incl. end caps | DCG897-----EV1- |

**Accessories**

|   |              |
|---|--------------|
| Mechanical hold-open device A184 for G896 | DCA184-----  |
| Mechanical hold-open device A278 for G897 | DCA278-----  |
| Mechanical opening damper A182 for G896   | DCA182-----  |
| Mechanical opening damper A279 for G897   | DCA279-----  |
| Profile mounting kit G896                 | DCSP-6009450 |
| Profile mounting kit G897                 | DCSP-6009451 |

DC870



G896



G897



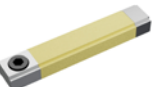
A184



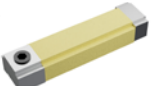
A278



A182

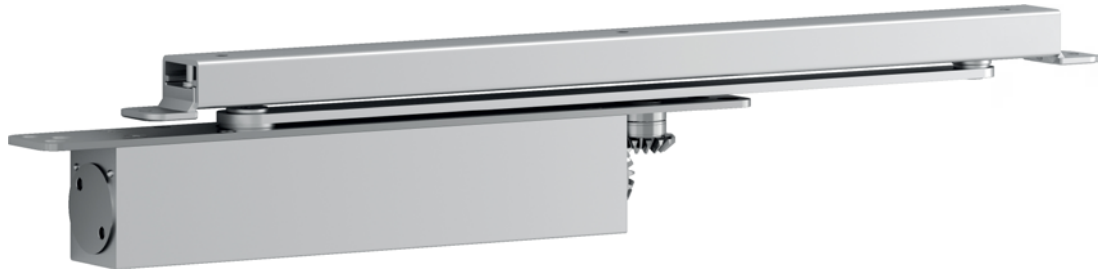


A279



## 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

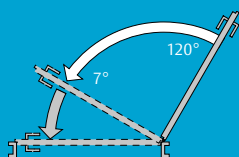
### Features

- 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 4 mm and 8 mm extended spindle options

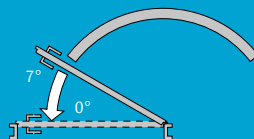
### Guide rails and accessories

- **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



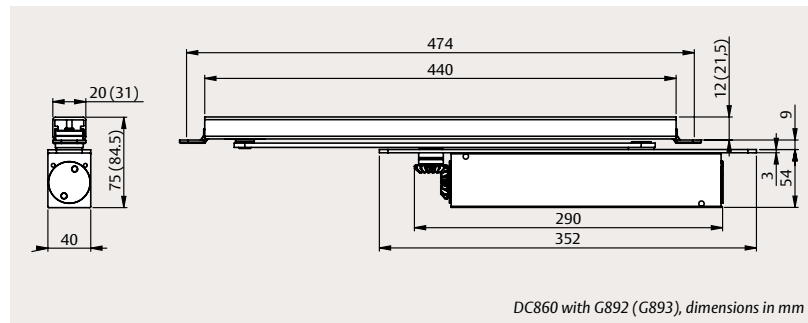
Closing speed (C)



Latch speed (L)

# DC860

## Technical attributes and certification



Scan the QR code  
to watch the  
installation video



### Technical attributes

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



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



### Certification and testing

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

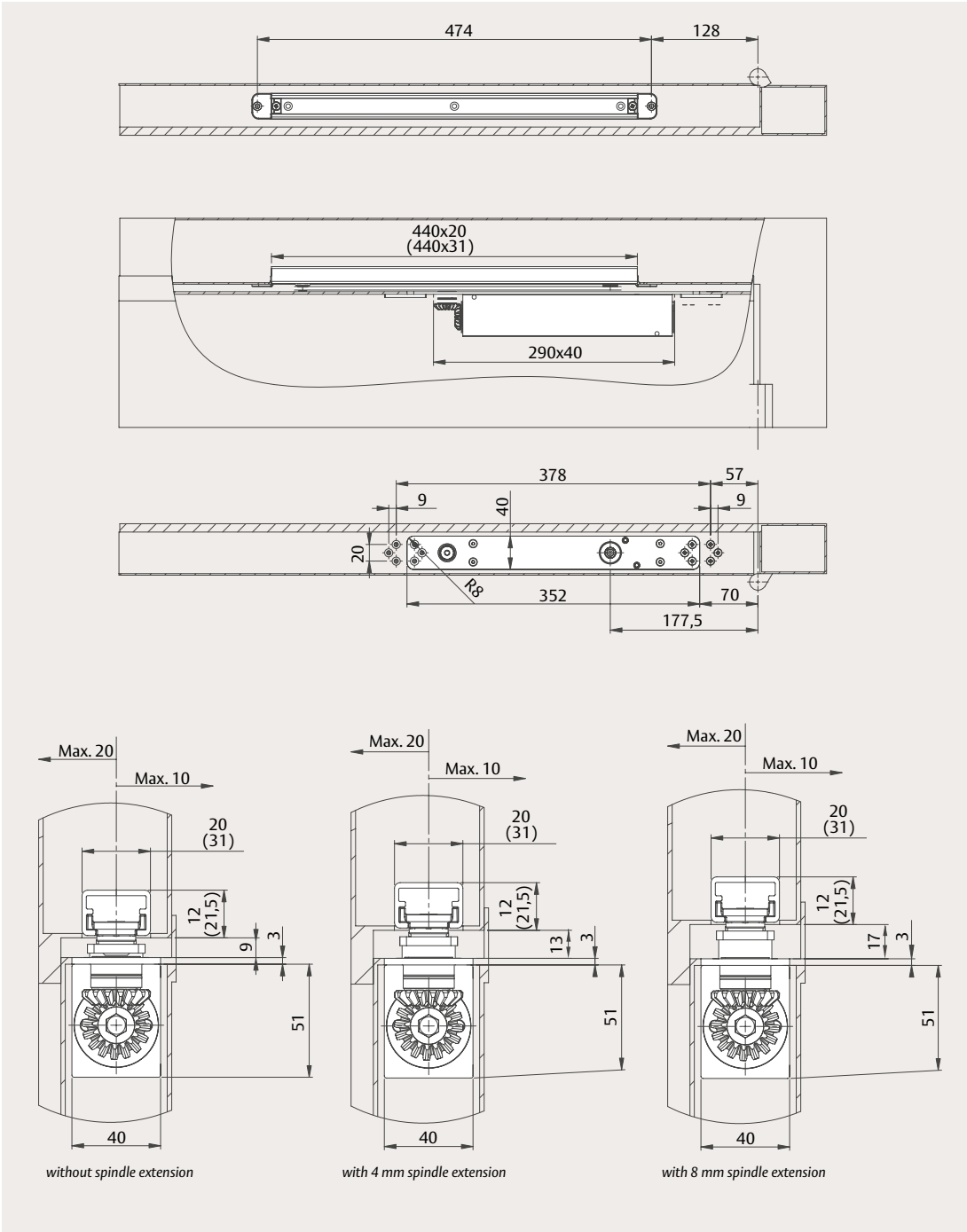


# DC860

## 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

|   |                 |
|---|-----------------|
| Concealed guide rail G892, 20 mm, silver, EV1       | DCG892-----EV1- |
| Concealed guide rail G892, 20 mm, customized finish | DCG892-----XXXX |
| Concealed guide rail G893, 31 mm, silver, EV1       | DCG893-----EV1- |
| Concealed guide rail 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



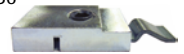
G893



A152



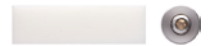
A156



A153



A157



A162

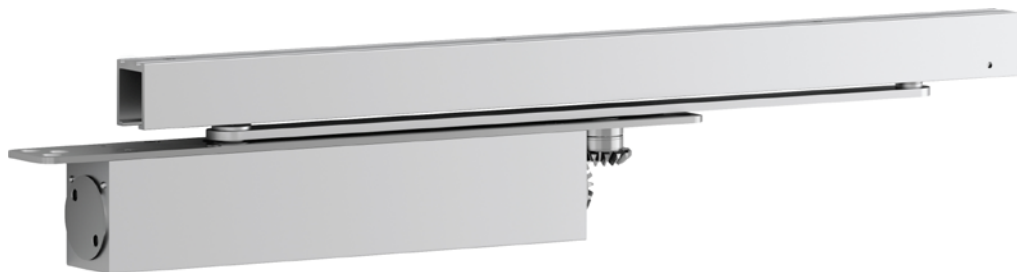


A193



## 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

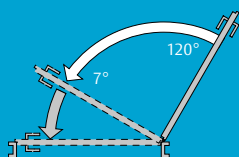
### Features

- 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 4 mm and 8 mm extended spindle options
- Integrated hold-open device keeps doors open at any angle between 80° and 120°

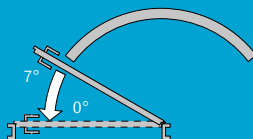
### Accessories

- **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



Closing speed (C)

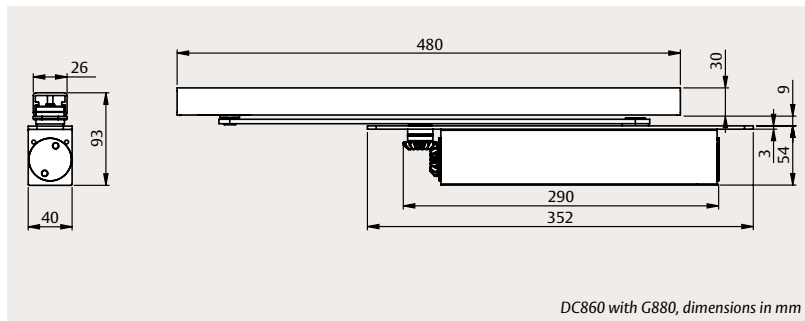


Latch speed (L)



# DC860 with G880

## Technical attributes and certification



### Technical attributes

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

|                         |                          |
|-------------------------|--------------------------|
| Closing force           | EN size 3-5              |
| Maximum opening angle   | ~120°                    |
| Hold-open angle         | 80°–120°                 |
| Door system             | Single 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 493 mm         |
| Required power supply   | 24 V DC                  |
| Rated power consumption | 60 mA                    |
| Duty cycle              | 100%                     |



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### Certification and testing

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

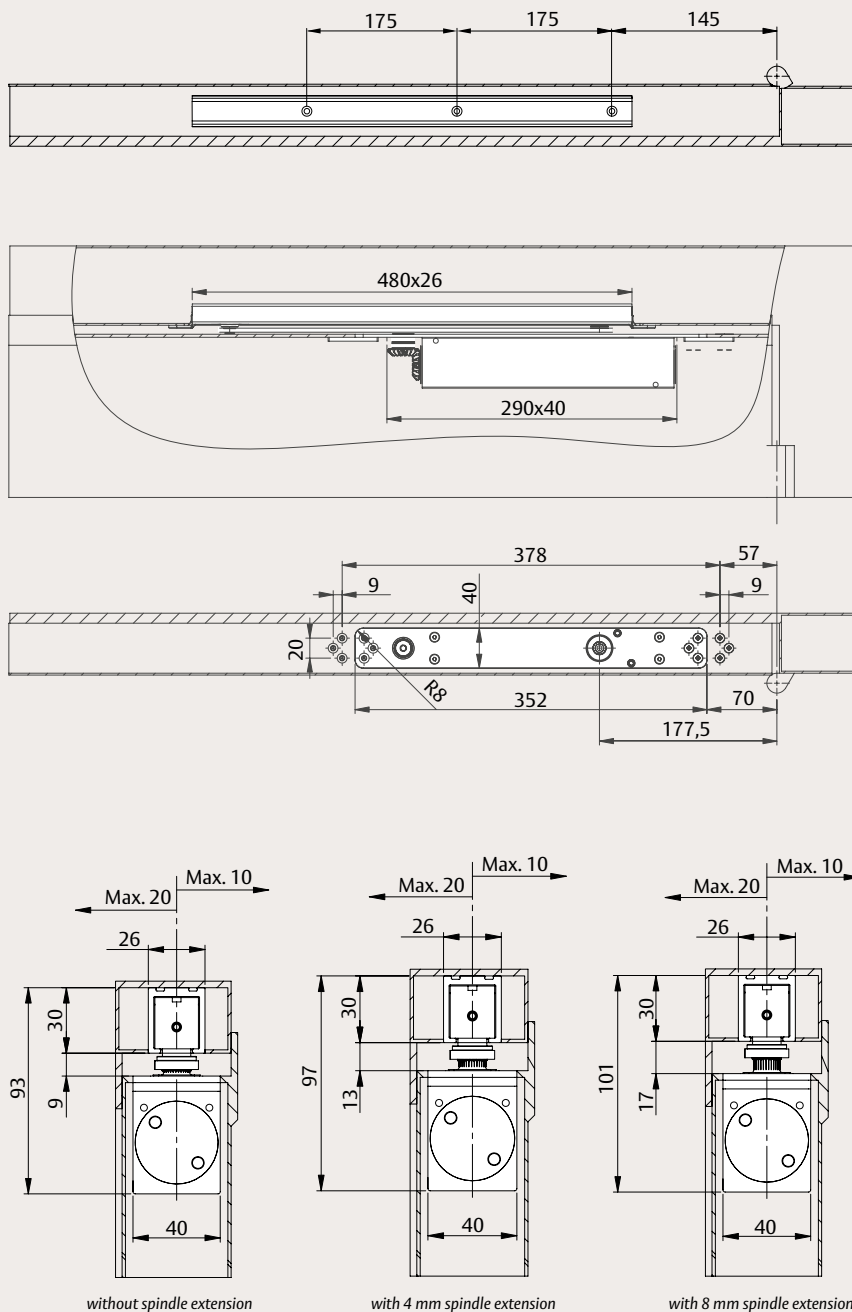


## DC860 with G880

### 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

|   |                 |
|---|-----------------|
| Concealed guide rail G880 with electro-mechanical hold-open device, silver, EV1       | DCG880-----EV1- |
| Concealed 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

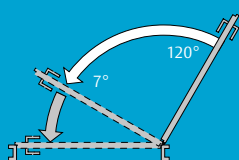
### Features

- 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 4 mm and 8 mm extended spindle options

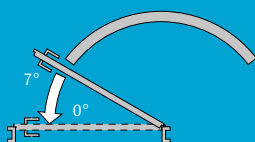
### Accessories

- **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



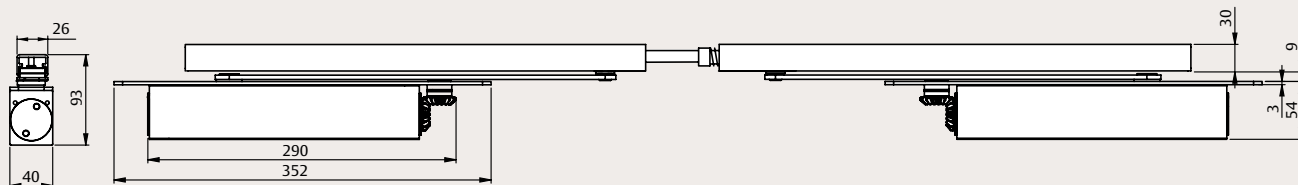
Closing speed (C)



Latch speed (L)

# 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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download all relevant  
product literature



### Certification and testing

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

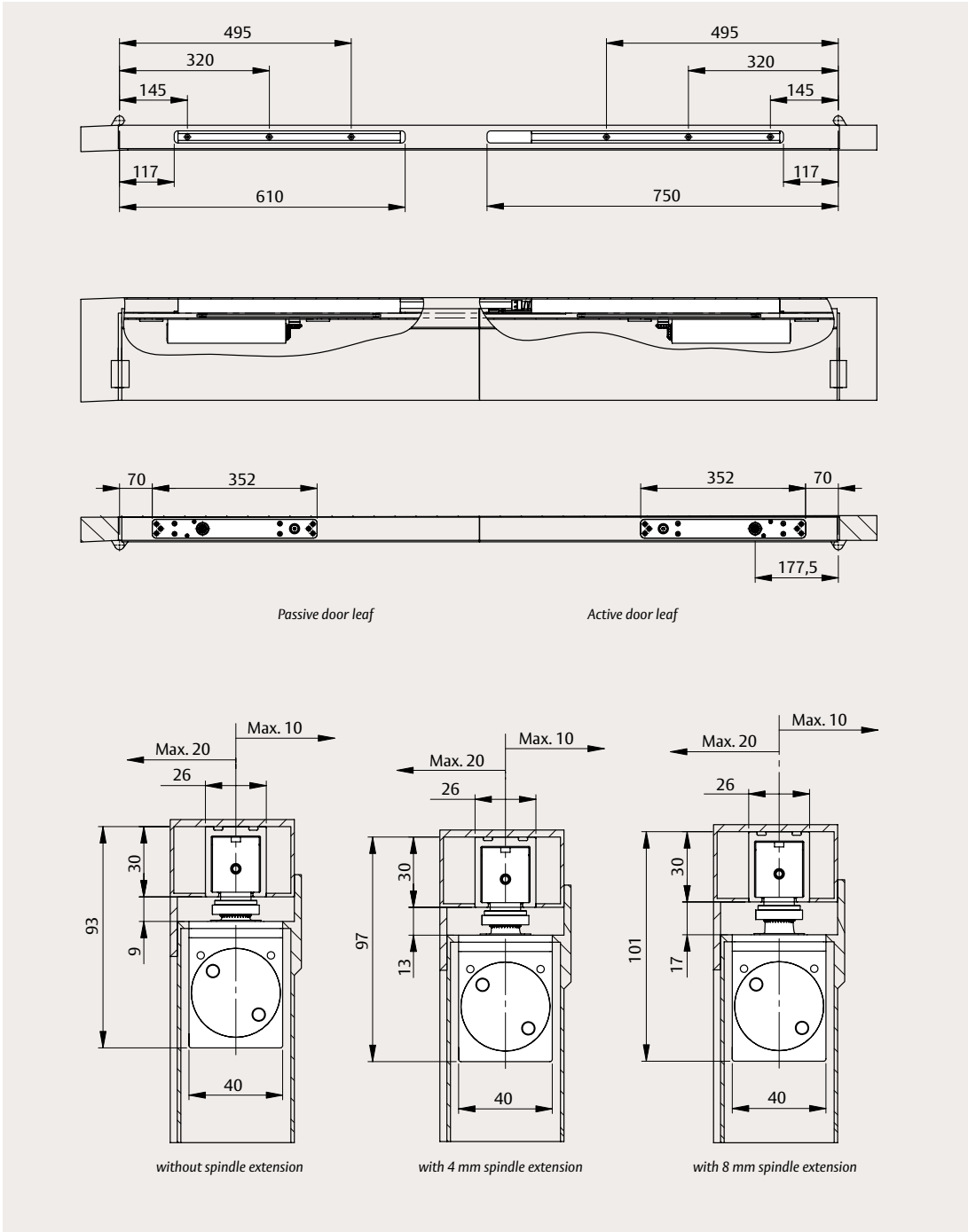


# DC860 with G881

## 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

|  |                 |
|--|-----------------|
| Concealed guide rail G881 with mechanical coordinator, silver, EV1       | DCG881-----EV1  |
| Concealed guide rail 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



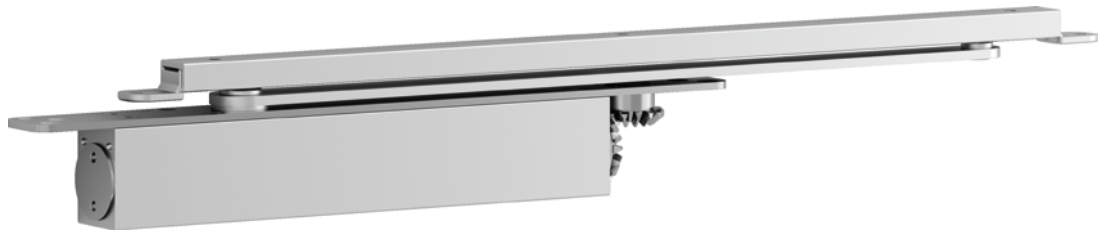
A193





## 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

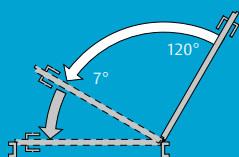
### Features

- 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 4 mm and 8 mm extended spindle options

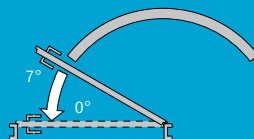
### Guide rails and accessories

- **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



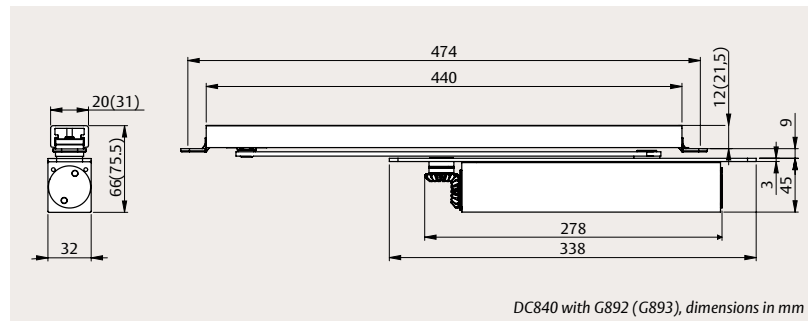
Closing speed (C)



Latch speed (L)

# DC840

## Technical attributes and certification



Scan the QR code  
to watch the  
installation video



### Technical attributes

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



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



### Certification and testing

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



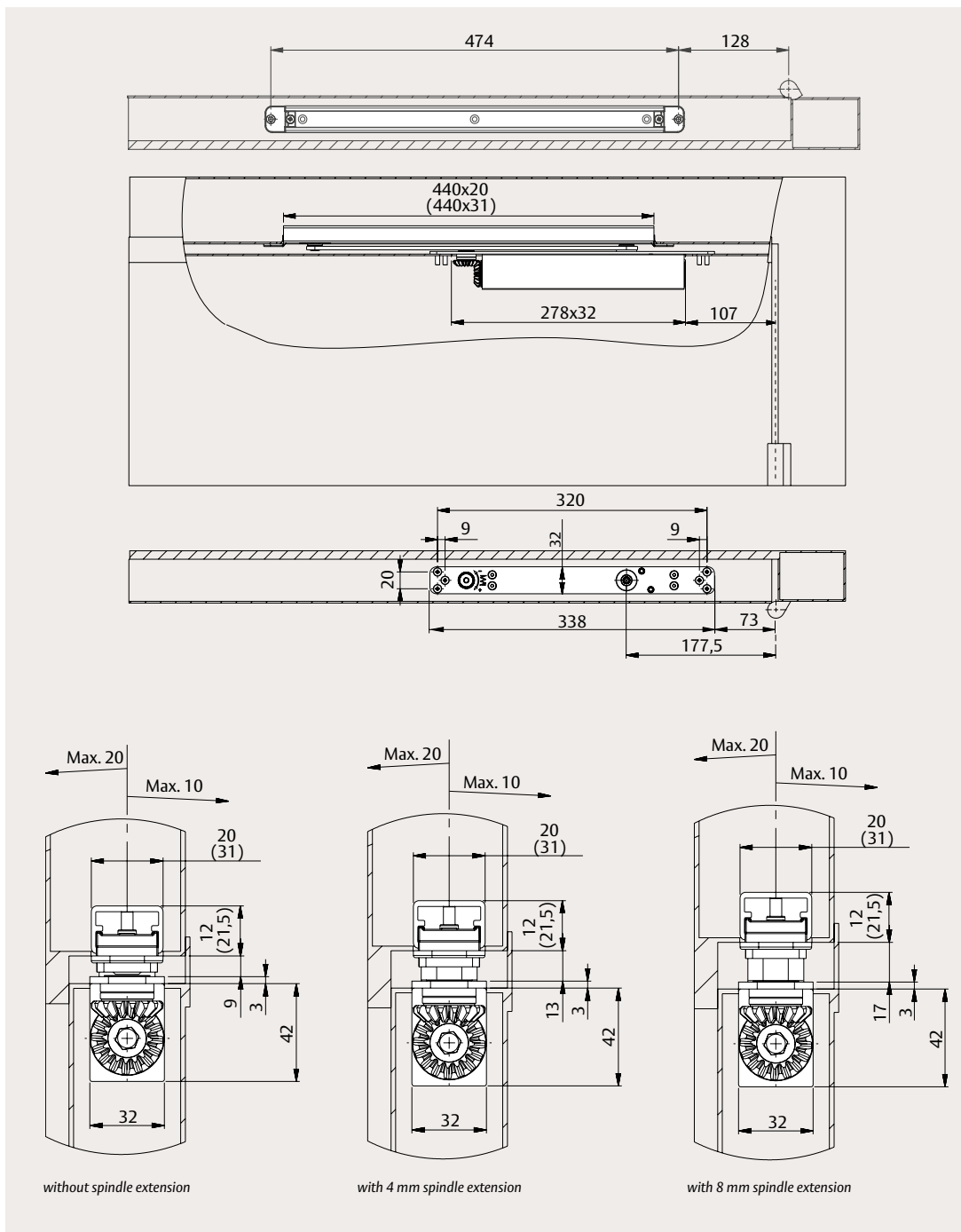
## DC840

### 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

|   |                 |
|---|-----------------|
| Concealed guide rail G892, 20 mm, silver, EV1       | DCG892-----EV1- |
| Concealed guide rail G892, 20 mm, customized finish | DCG892-----XXXX |
| Concealed guide rail G893, 31 mm, silver, EV1       | DCG893-----EV1- |
| Concealed guide rail 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



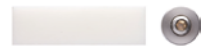
A156



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

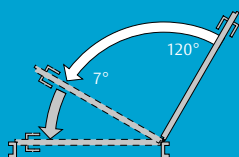
### Colours

- Silver, EV1

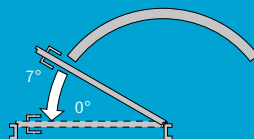
### Features

- 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

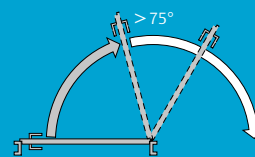
### Independent adjustment via top-facing valves



Closing speed (C)



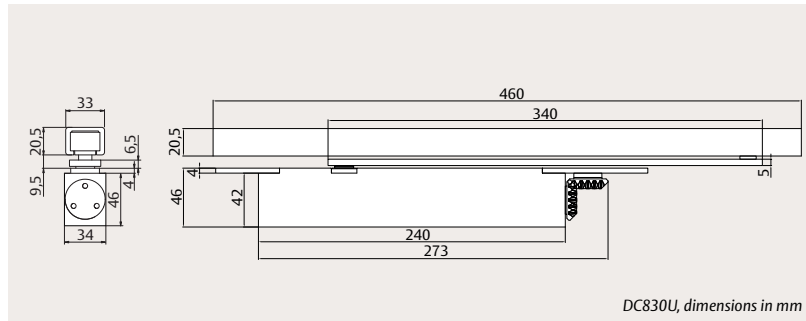
Latch speed (L)



Backcheck (B)

## DC830U

## Technical attributes, certification and order information



## Technical attributes

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



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



## Certification and testing

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

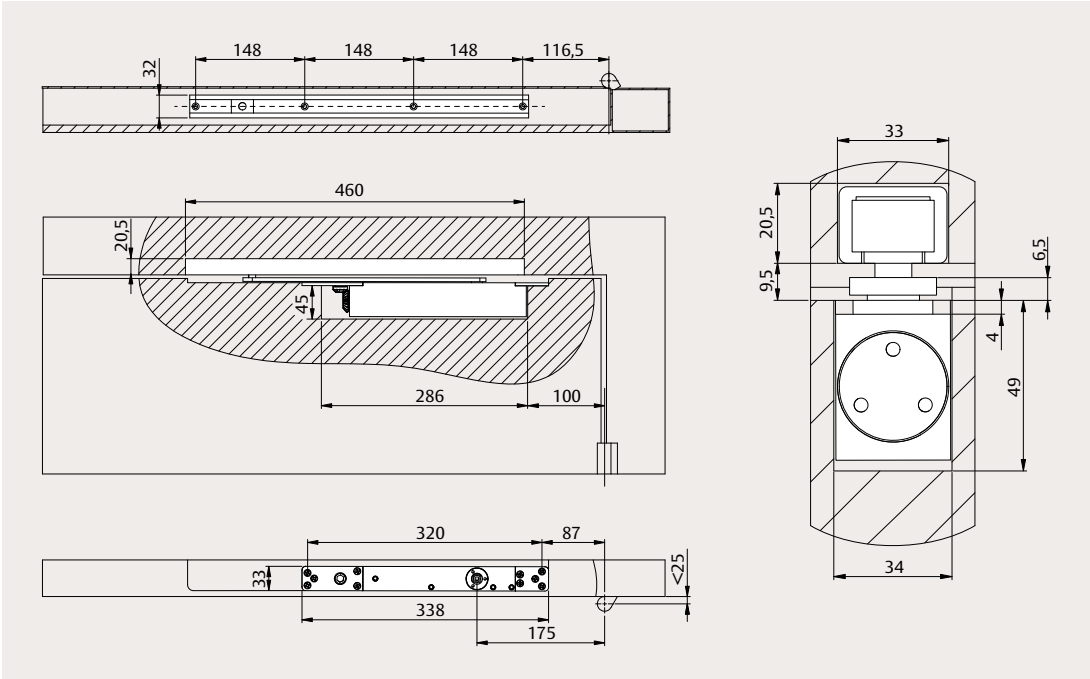


# DC830U

## 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

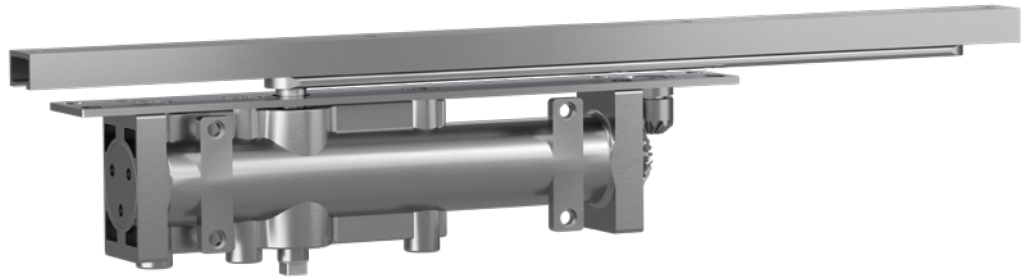
DC830U concealed door closer, size 2-4, silver, EV1

DC830U-----EV1-



## 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

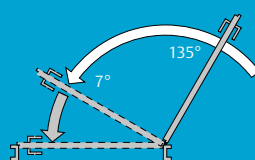
### Colours

- Silver, EV1

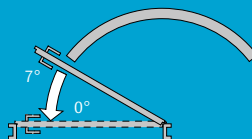
### Features

- 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

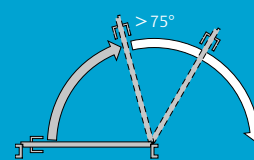
### Independent adjustment via top-facing valves



Closing speed (C)



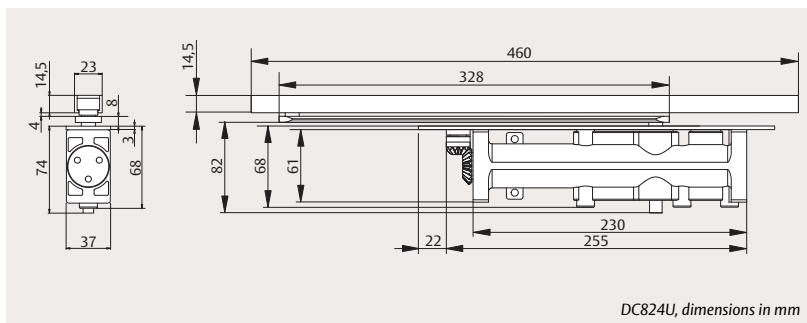
Latch speed (L)



Backcheck (B)

## DC824U

### Technical attributes, certification and order information



#### Technical attributes

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



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download all relevant  
product literature



#### Certification and testing

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

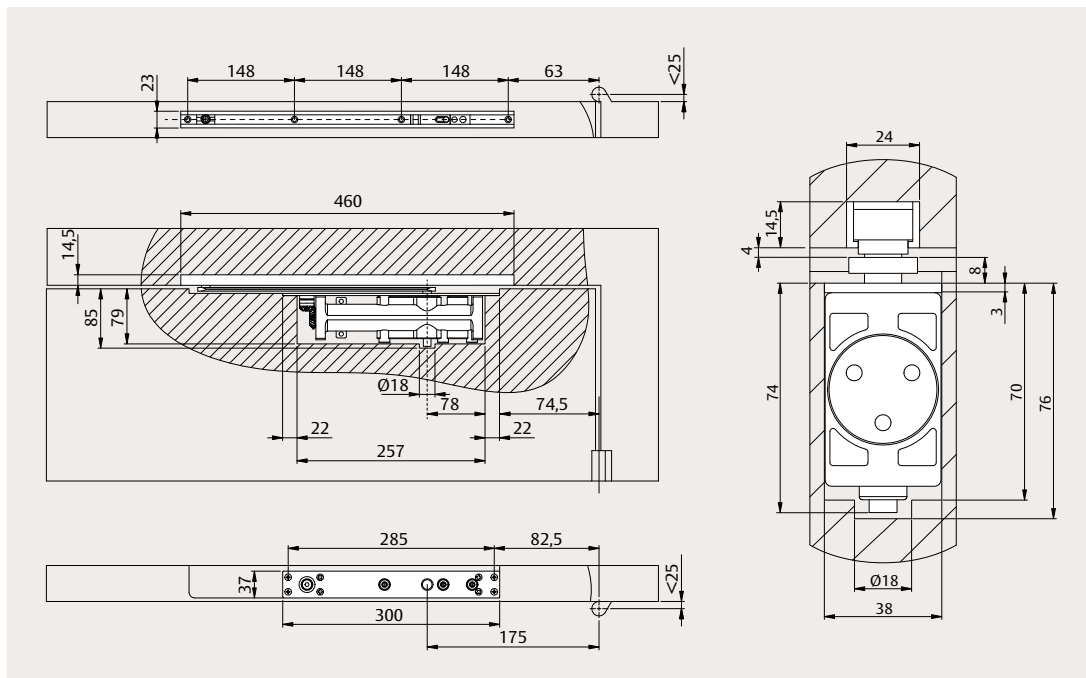


## DC824U

## 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

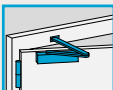
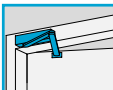
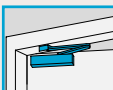
Complementing our Cam-Motion door closers, ASSA ABLOY's high-efficiency rack and pinion technology also offers easy access solutions with link arms.

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 whilst 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       | DC140           | DC120         | DC105U        |
|---|-------------|-------------|-------------|-----------------|---------------|---------------|
| <b>Closing force</b>  | EN size 3-6 | EN size 3-6 | EN size 5-7 | 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     | 1250 mm         | 1100 mm       | 1100 mm       |
| <b>Suitable for fire doors</b><br><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  |             | ■           |             | ■               |               | ■             |

■ = 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

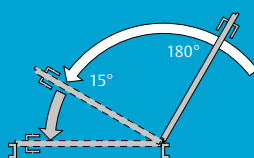
### Features

- 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

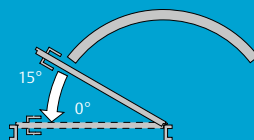
### Guide rail, link arm and accessories

- **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

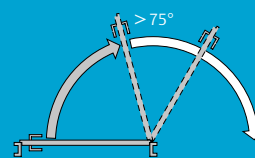
### Independent adjustment via front-facing valves



Closing speed (C)



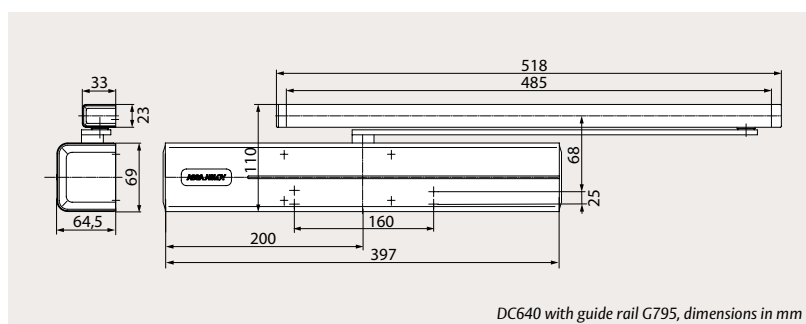
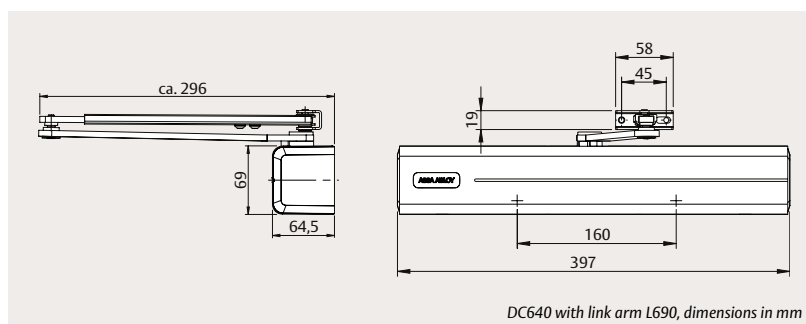
Latch speed (L)



Backcheck (B)

# DC640

## Technical attributes and certification



### Technical attributes

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



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



### Certification and testing

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



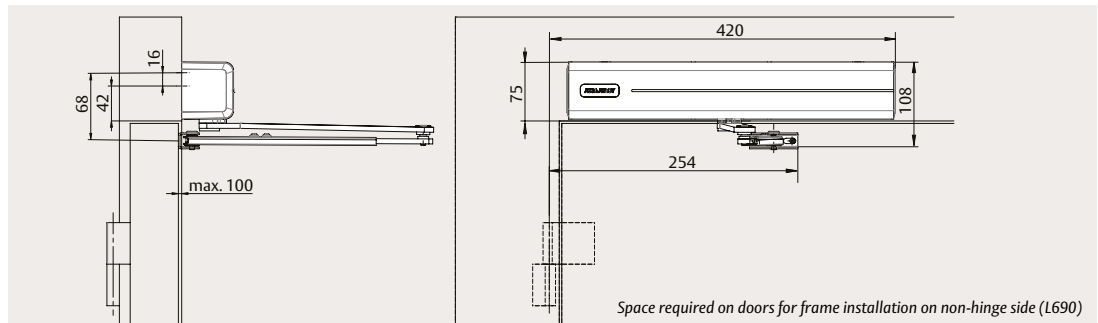
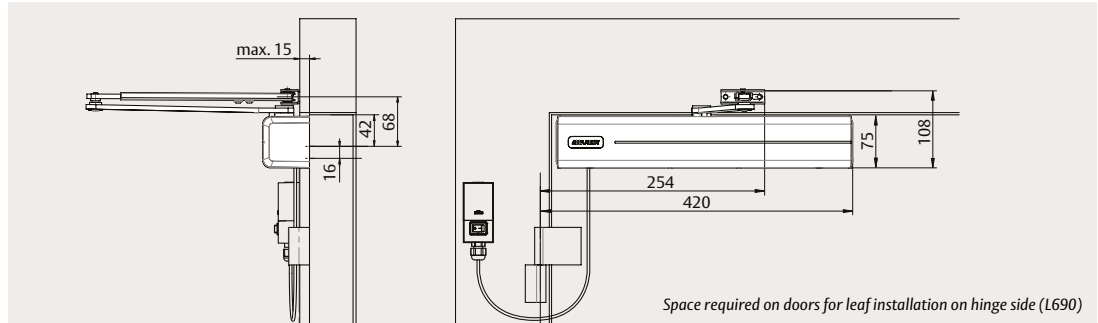


## DC640

### Space requirement and mounting dimensions

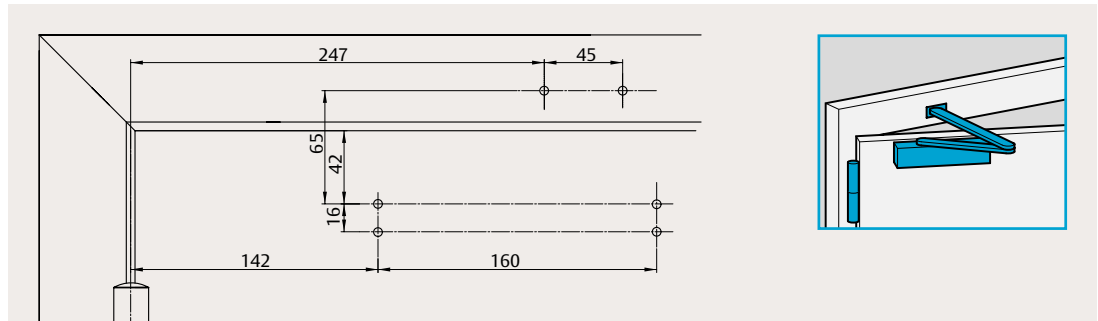


Scan the QR code  
to watch the  
installation video



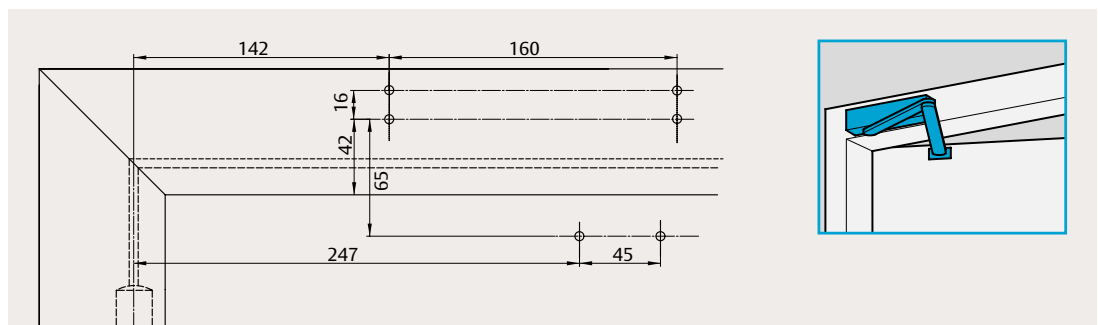
#### Direct leaf mounting with link arm on hinge side

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



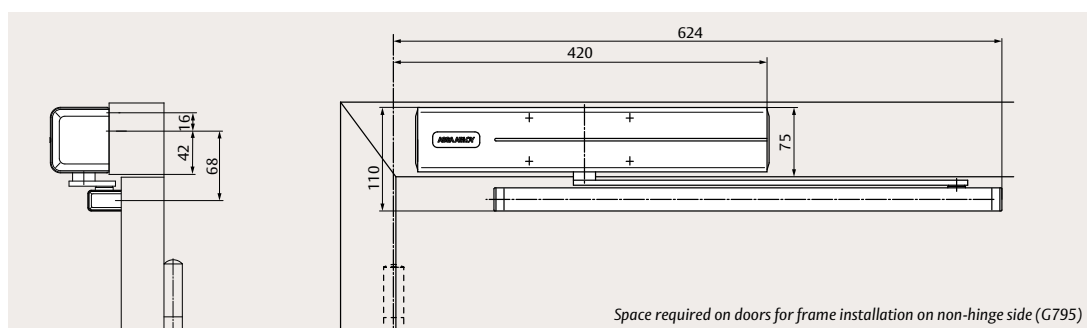
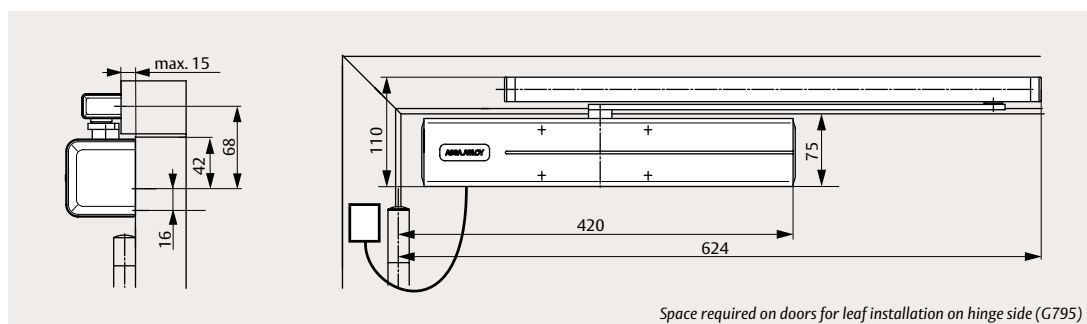
#### Direct frame mounting with link arm on non-hinge side

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



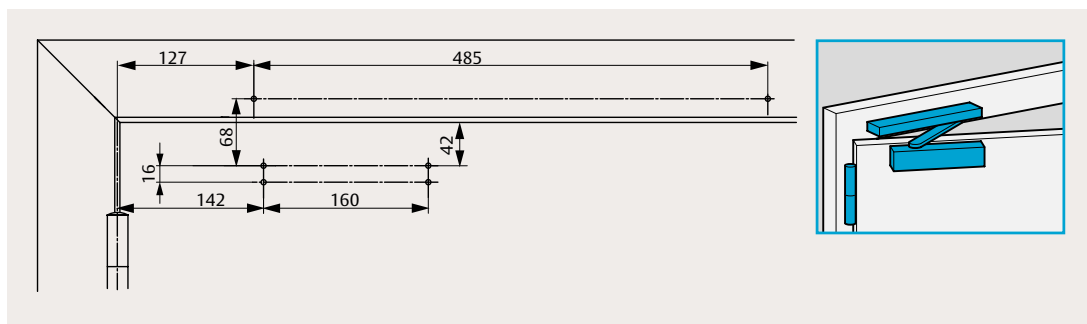
# DC640

## Space requirement and mounting dimensions



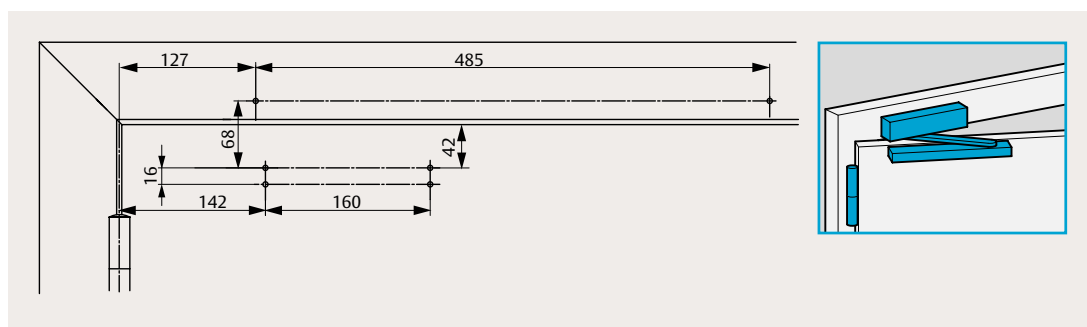
### Direct leaf mounting with guide rail on hinge side

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



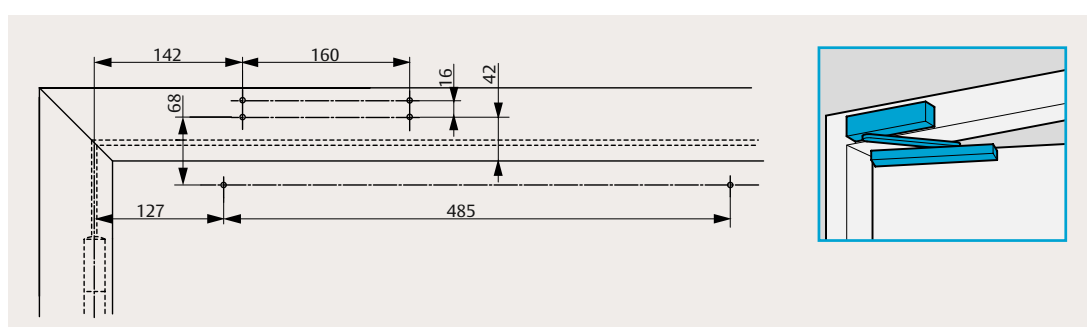
### Direct frame mounting with guide rail on hinge side

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

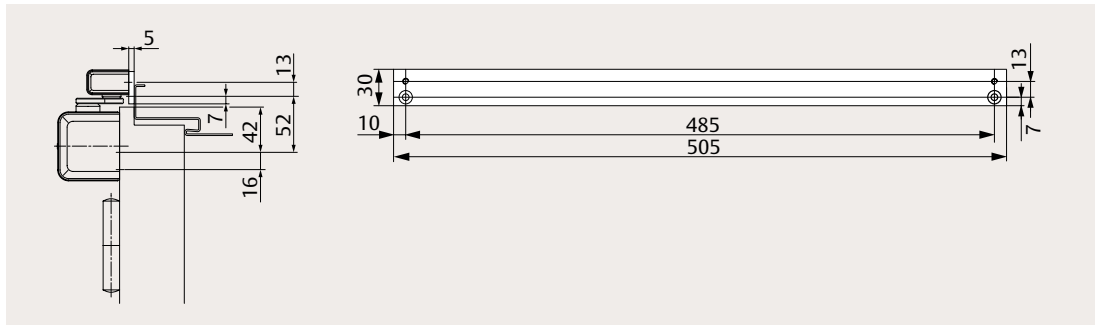
The drawing illustrates installation on right-handed doors. For left-handed doors, it is the reverse.



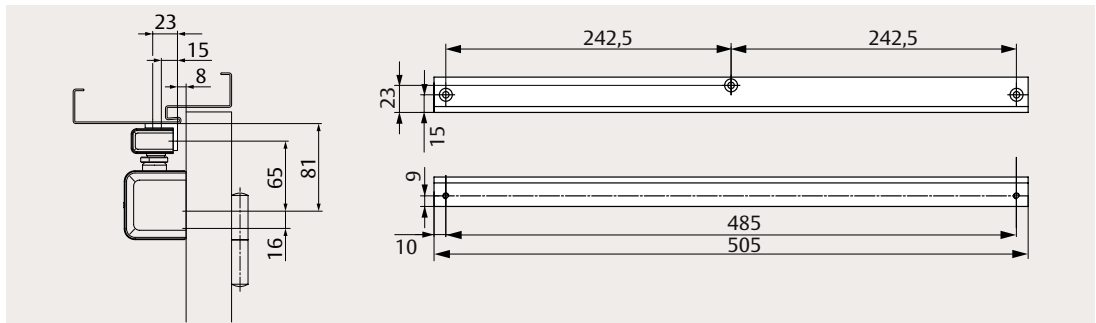
# DC640

## Accessories

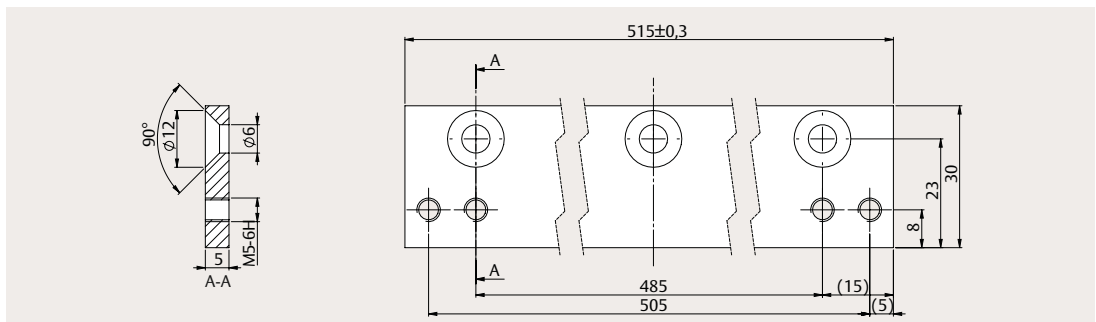
**A130 mounting plate**  
for guide rail G795



**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
- 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

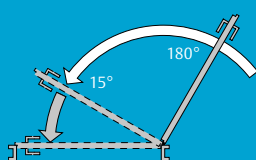
### Product variants

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

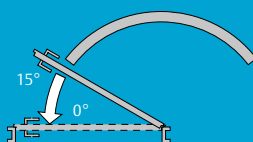
### Link arms, guide rails and accessories

- **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)

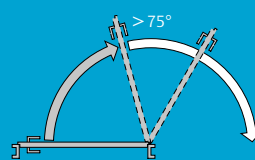
### Independent adjustment via front-facing valves



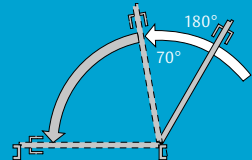
Closing speed (S)



Latch speed (L)



Backcheck (BC)

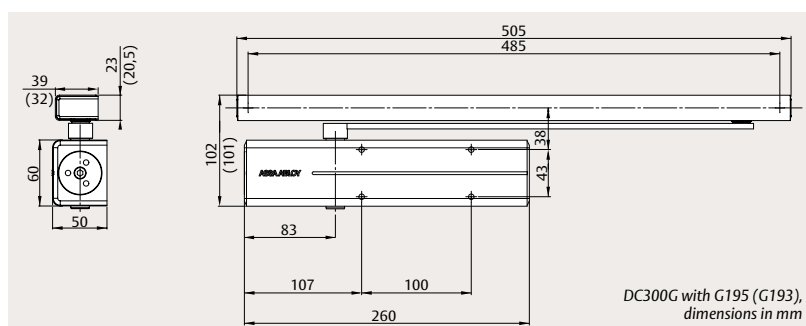
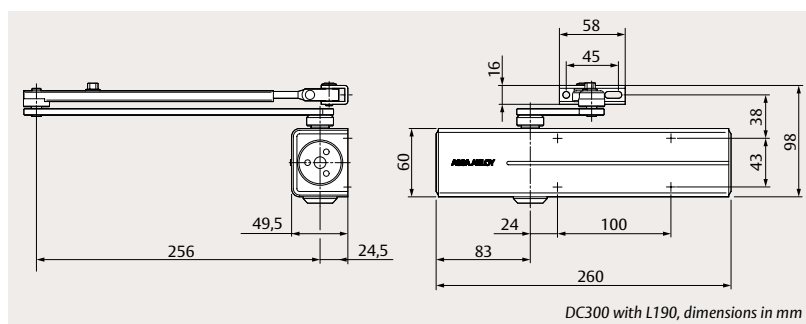


Delayed closing (DA)\*

\*only for DC300DA

# DC300

## Technical attributes and certification



### Technical attributes

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



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



### Certification and testing

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

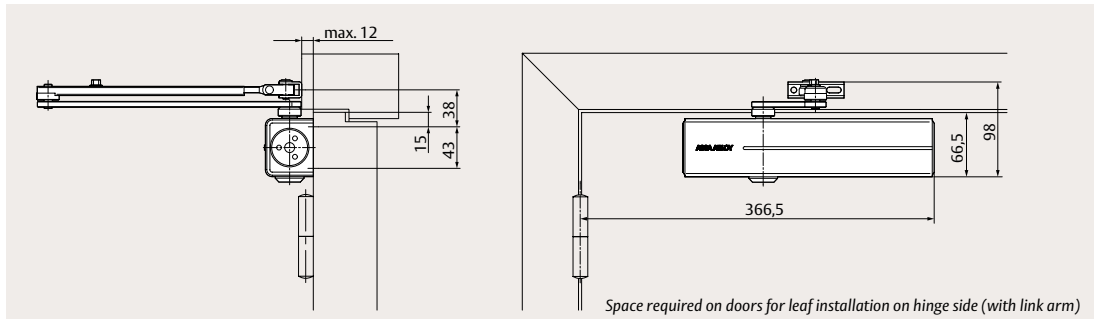


## DC300

### Space requirement and mounting dimensions

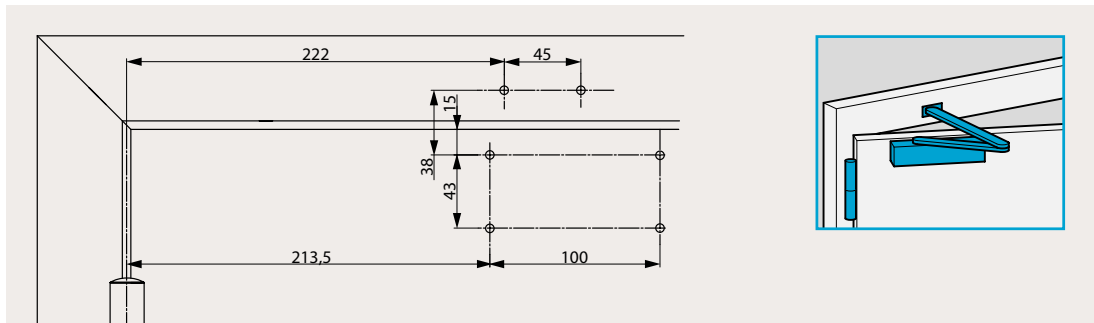


Scan the QR code  
to watch the  
installation video



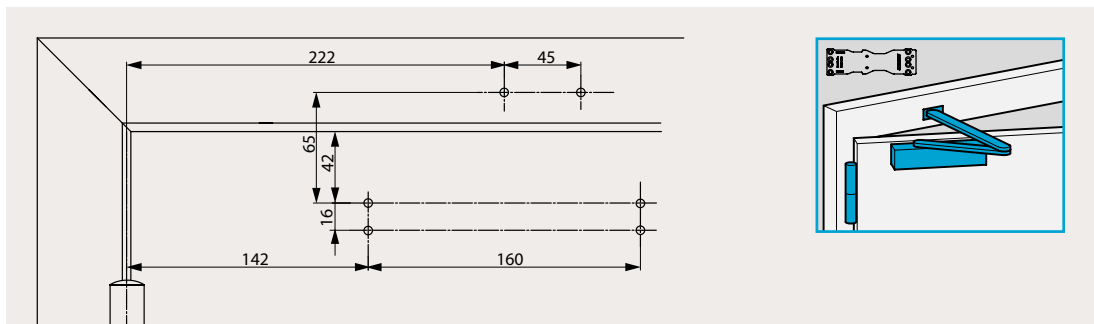
#### Direct leaf mounting with link arm on hinge side

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



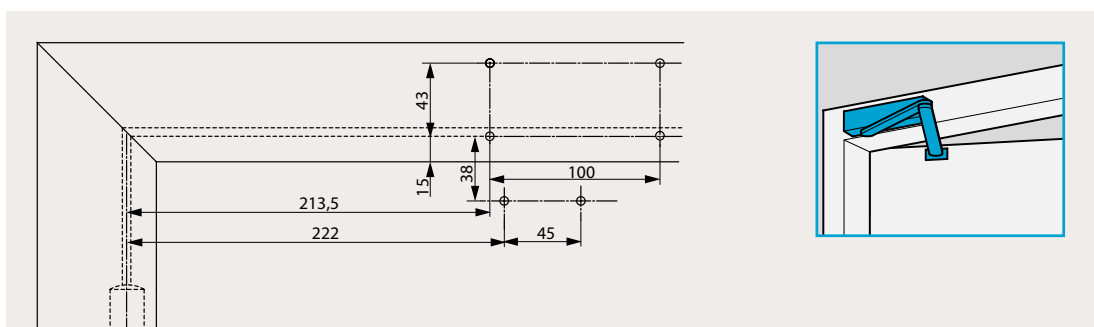
#### Mounting plate leaf mounting with link arm on hinge side; in compliance with DIN EN 1154, supplement 1

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



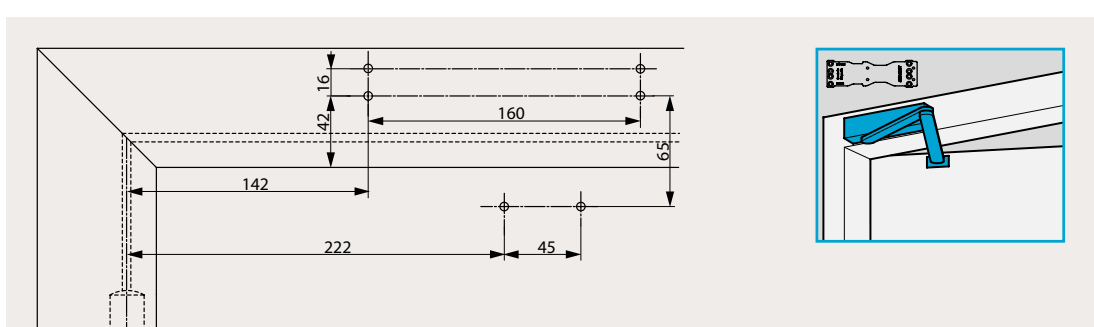
#### Direct frame mounting with link arm on non-hinge side

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

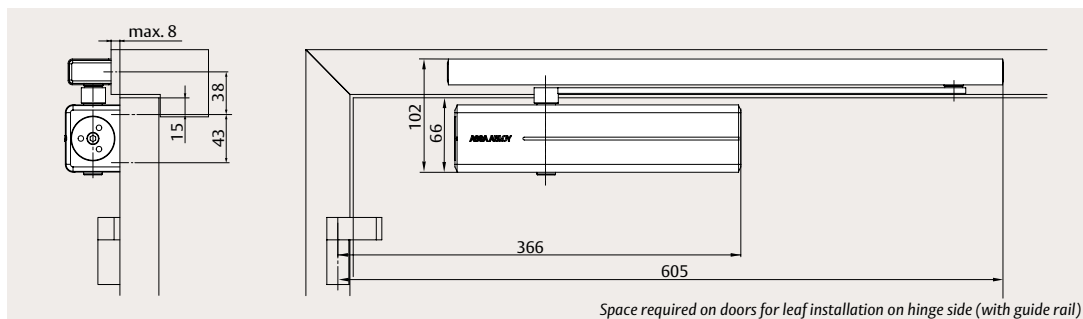
The drawing illustrates  
installation on right-handed  
doors. For left-handed doors,  
it is the reverse.





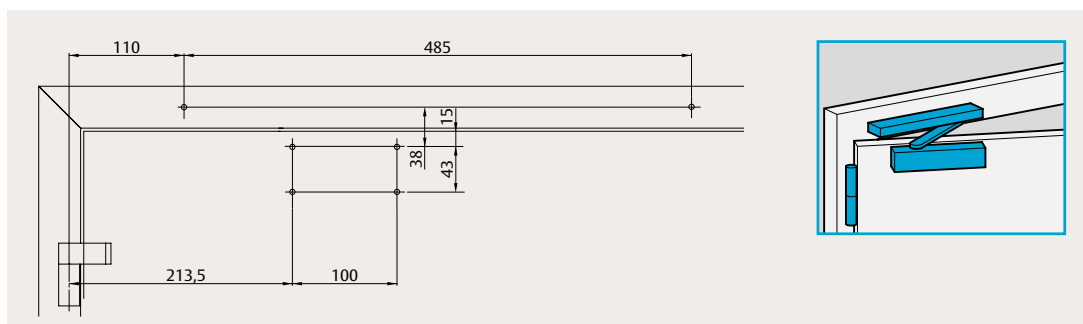
## DC300

## Space requirement and mounting dimensions



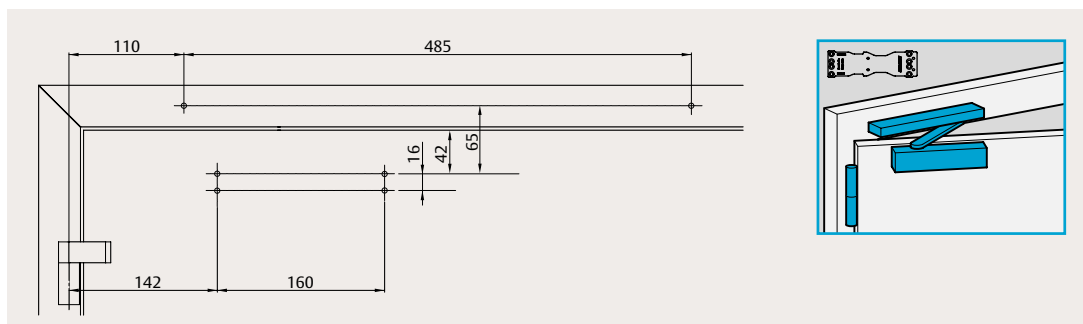
### Direct leaf mounting with guide rail on hinge side

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.



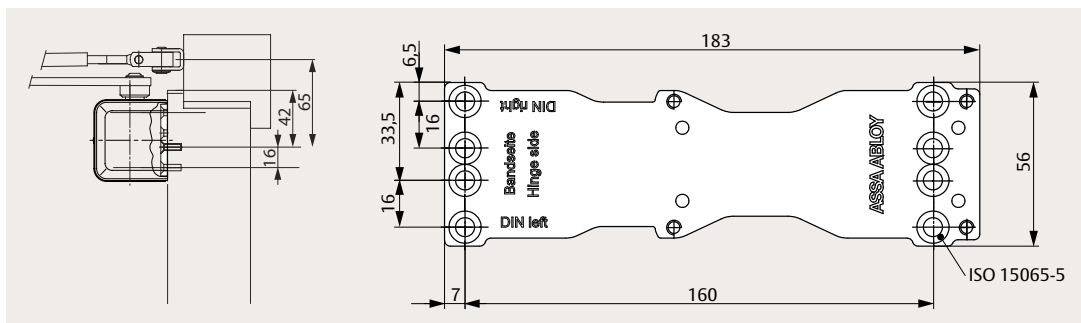
# DC300

## 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

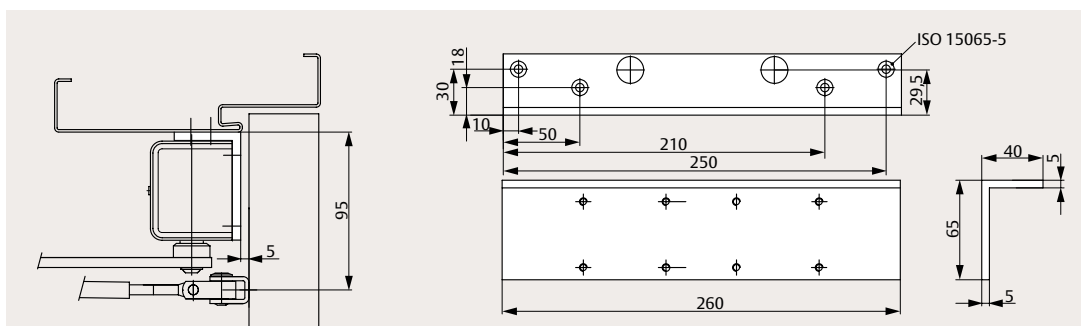


### A123 angle bracket

for frame mounting  
on deep posts

*This installation reduces the  
headroom by 70 mm.*

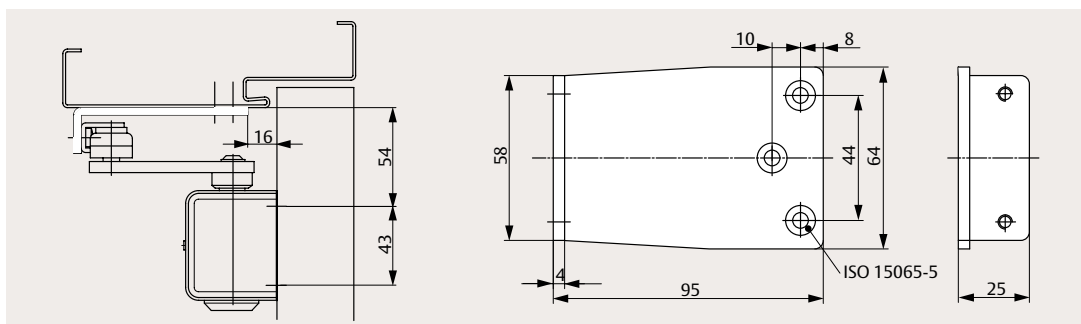
*Check suitability for use on fire  
and smoke protection doors.*



### A154 parallel arm bracket

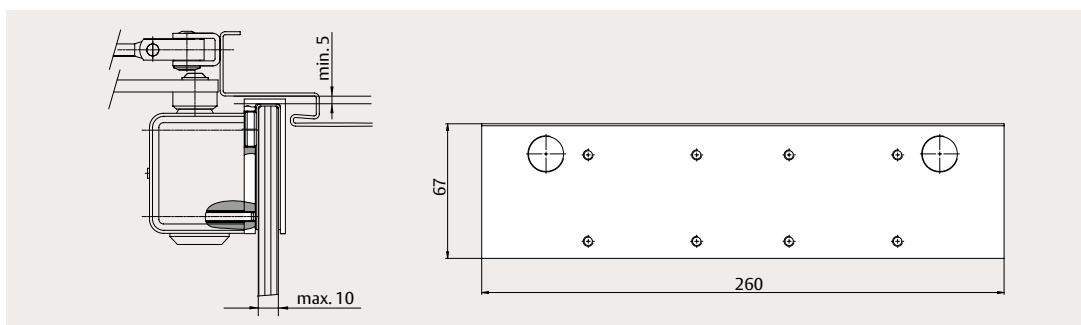
for parallel arm  
mounting

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



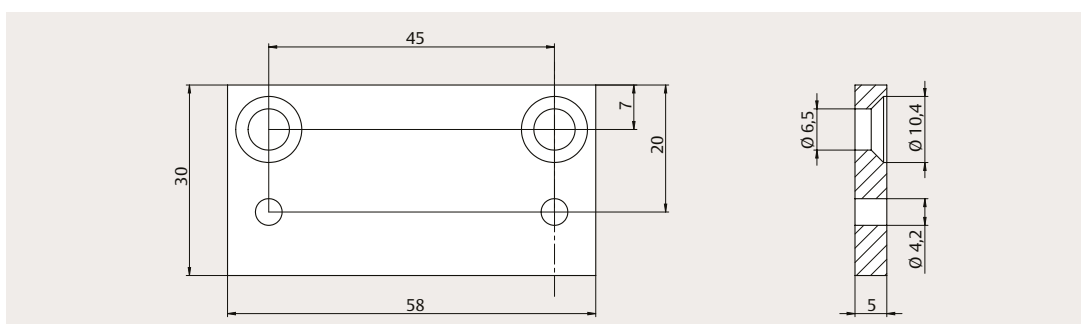
### A165 glass door shoe

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

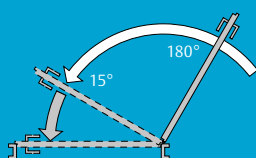
### Features

- 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

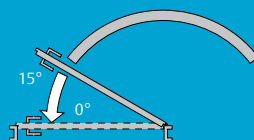
### Link arm and accessories

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

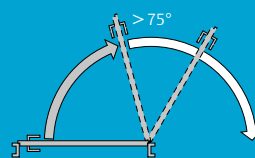
### Independent adjustment via front-facing valves



Closing speed (S)



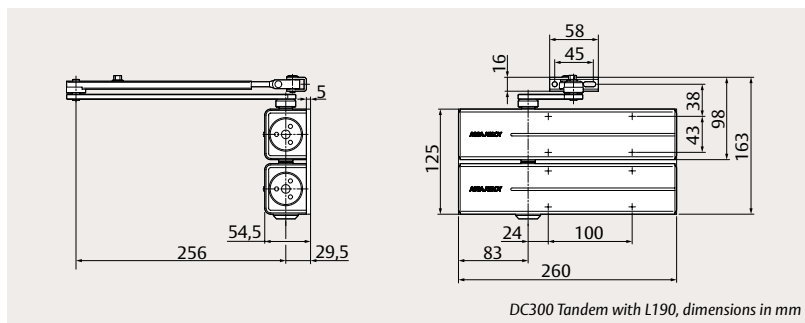
Latch speed (L)



Backcheck (BC)

# DC300 Tandem

## Technical attributes and certification



### Technical attributes

|                        |                               |
|------------------------|-------------------------------|
| Closing force          | EN size >7 (2 x DC300)        |
| Maximum leaf width     | 1800 mm                       |
| Closing speed (S)      | Variable between 180° and 15° |
| Latch speed (L)        | Variable between 15° and 0°   |
| Backcheck (BC)         | Variable above 75°            |
| Maximum opening angle  | ~180°                         |
| Door system            | Single leaf                   |
| Handing                | Left- / right-handed          |
| Mounting options       | Leaf mounting on hinge-side   |
| Force adjustment       | Yes                           |
| Height adjustment      | Yes                           |
| Corrosion resistance   | Grade 4 (240 hours)           |
| Dimensions (H x D x L) | 125 x 54.5 x 260 mm           |



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



### Certification and testing

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

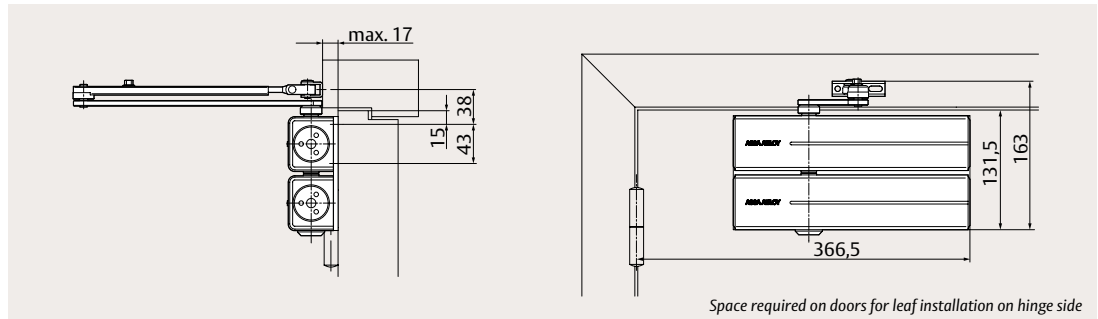


## DC300 Tandem

### Space requirement, mounting dimensions and accessories

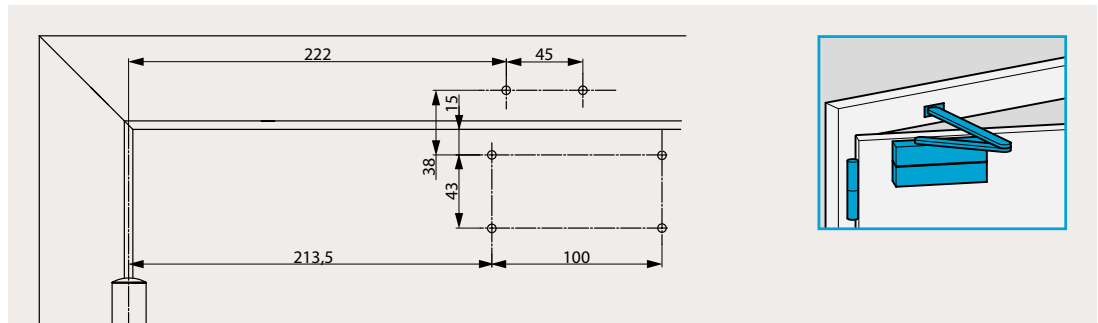


Scan the QR code  
to watch the  
installation video



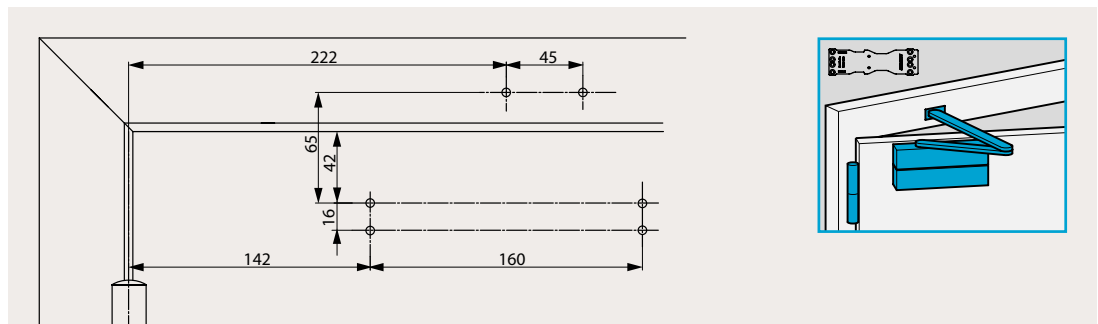
#### Direct leaf mounting on hinge side

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

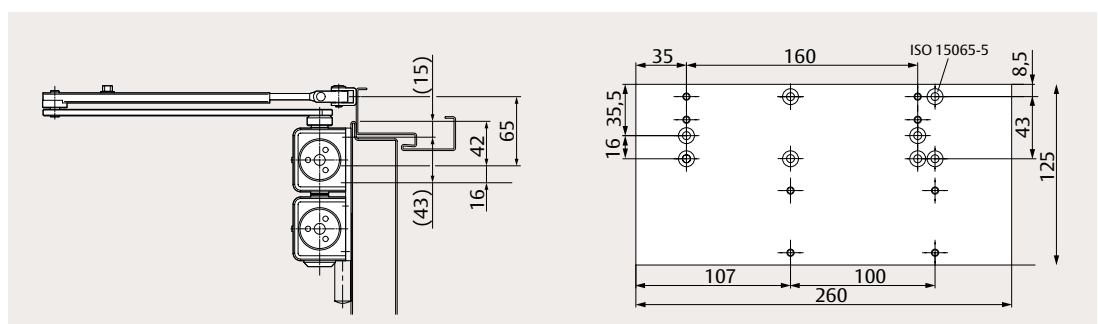


#### Mounting plate leaf mounting on hinge side; in compliance with DIN EN 1154, supplement 1

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



# DC300 Tandem

## Order information



### 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

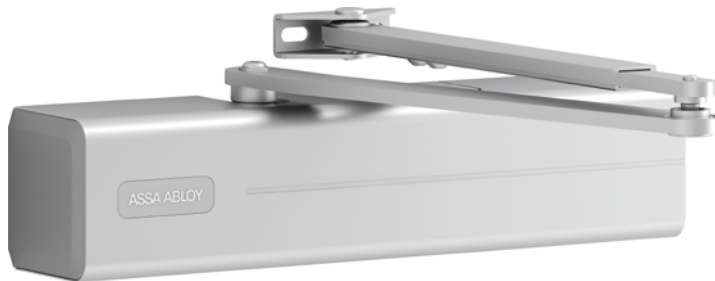


A121



## 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

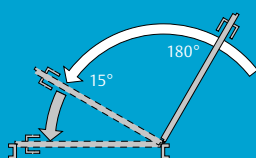
### Features

- 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)

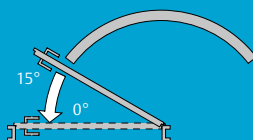
### Link arm and accessories

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

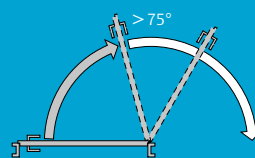
### Independent adjustment via front-facing valves



Closing speed (C)



Latch speed (L)

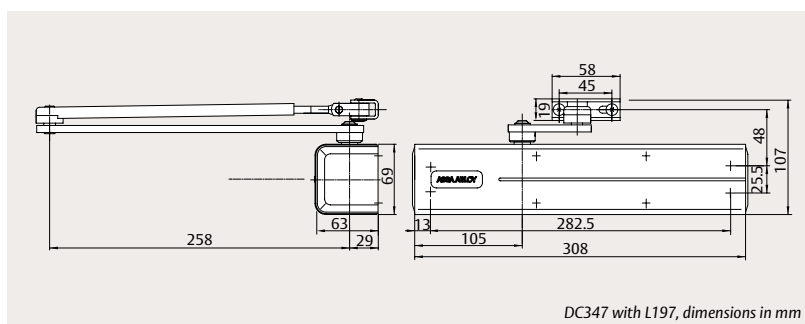


Backcheck (B)



# DC347

## Technical attributes and certification



### Technical attributes

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



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



### Certification and testing

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

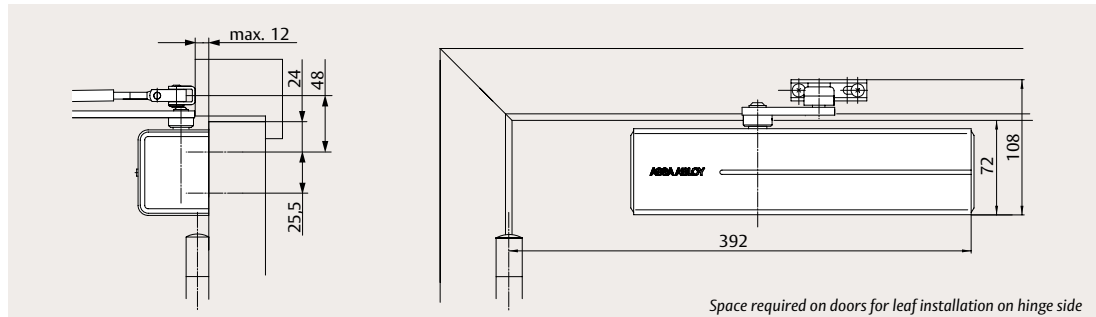


## DC347

### Space requirement and mounting dimensions

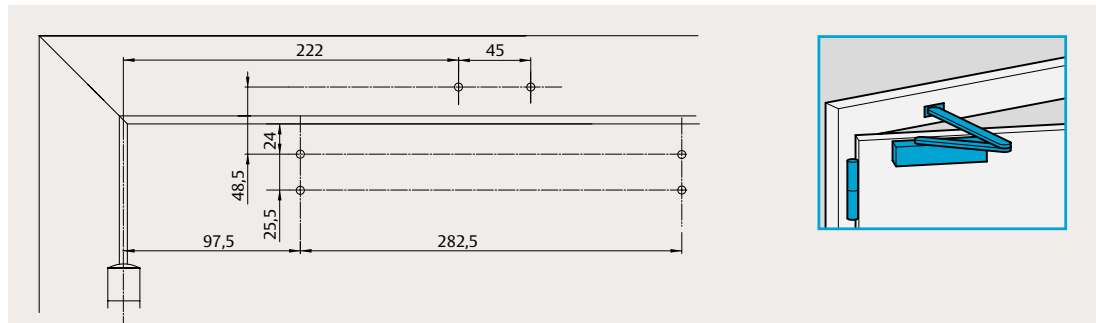


Scan the QR code  
to watch the  
installation video



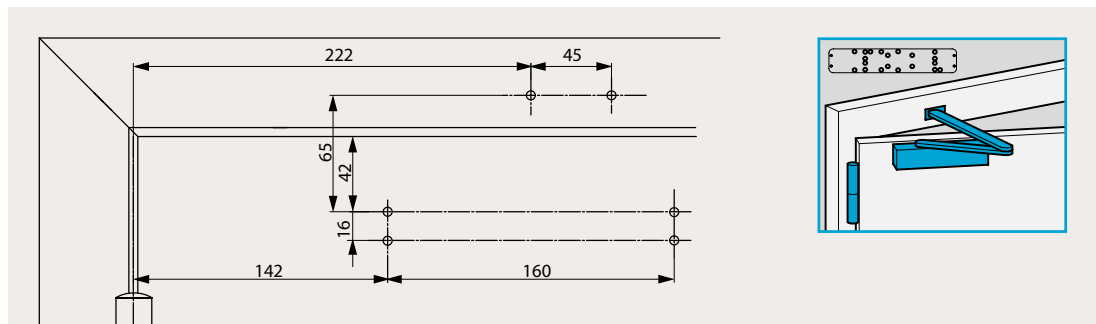
#### Direct leaf mounting on hinge side

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



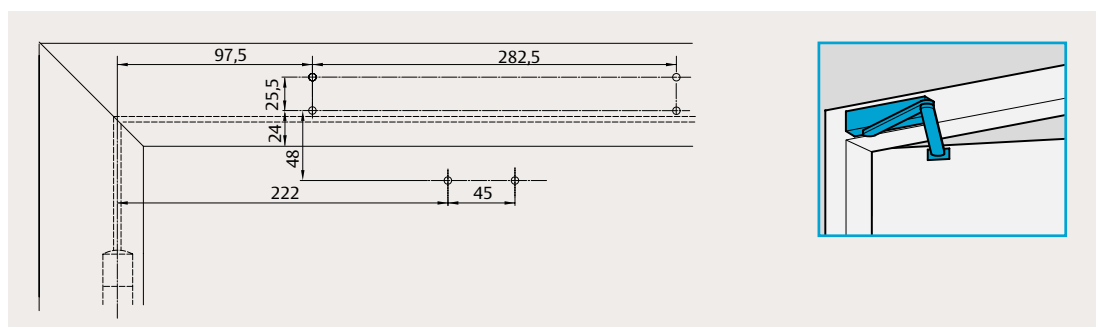
#### Mounting plate leaf mounting on hinge side; in compliance with DIN EN 1154, supplement 1

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



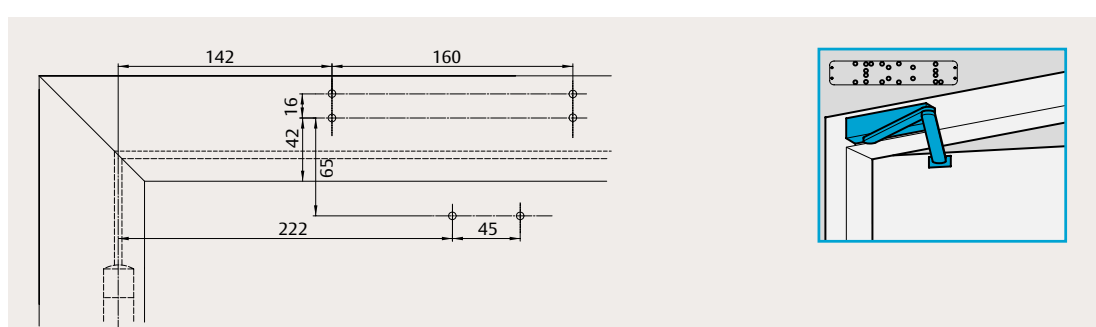
#### Direct frame mounting on non-hinge side

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



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

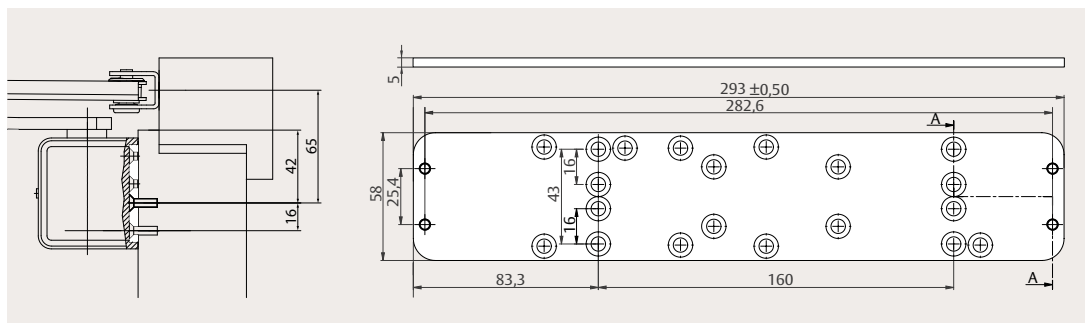
The drawing illustrates  
installation on right-handed  
doors. For left-handed doors,  
it is the reverse.



# DC347

## Accessories

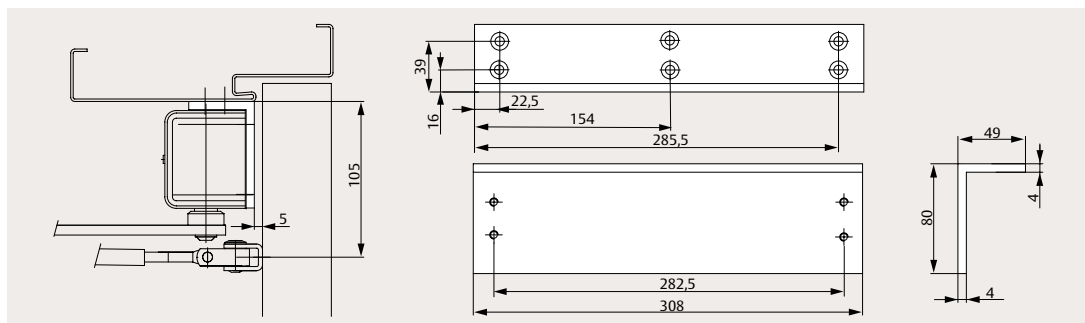
**A126 mounting plate**  
for door closer;  
in compliance with DIN  
EN 1154, supplement 1



**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

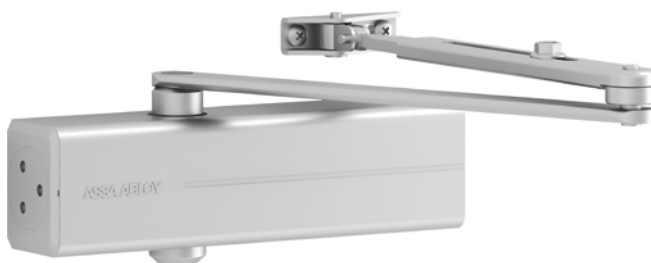


A107



# 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 economic 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
- 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

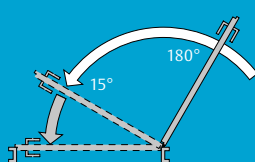
## Features

- 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

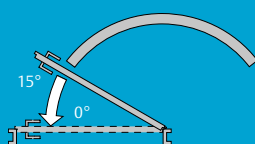
## Link arms, guide rails and accessories

- **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)

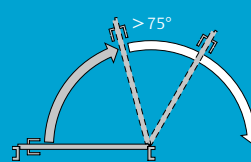
## Independent adjustment via front-facing valves



Closing speed (S)



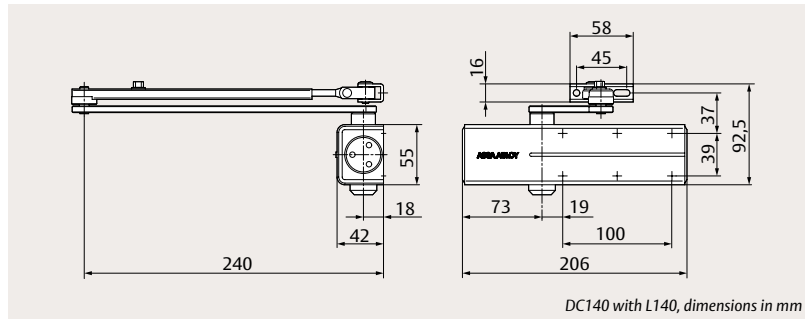
Latch speed (L)



Backcheck (BC)

# DC140

## Technical attributes and certification



### Technical attributes

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



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



### Certification and testing

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



# DC140

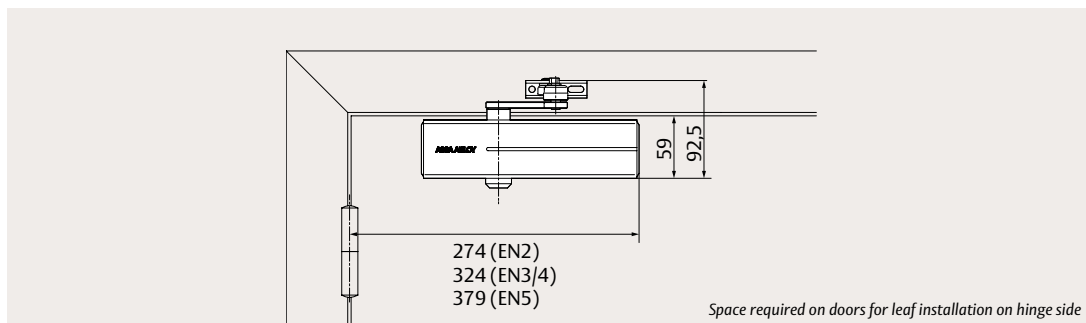
## Space requirement and mounting dimensions



Scan the QR code  
to watch the  
installation video

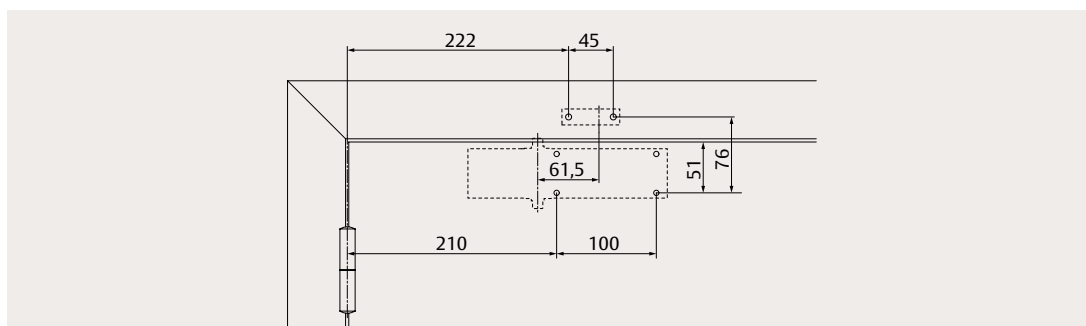
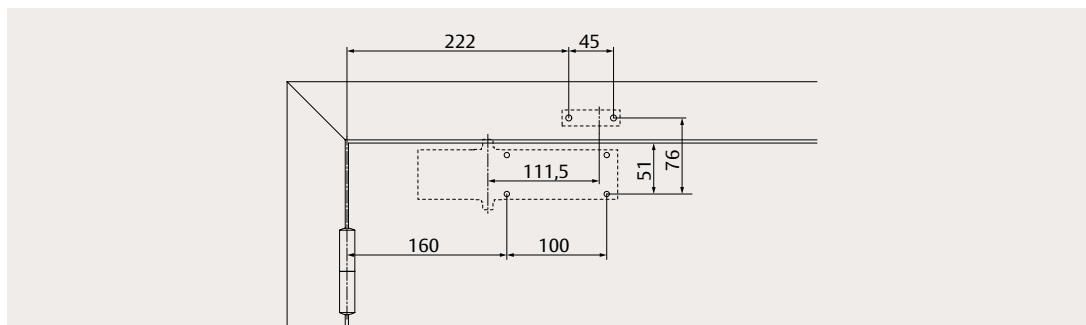
### Direct leaf mounting with link arm EN size 2 on hinge side

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



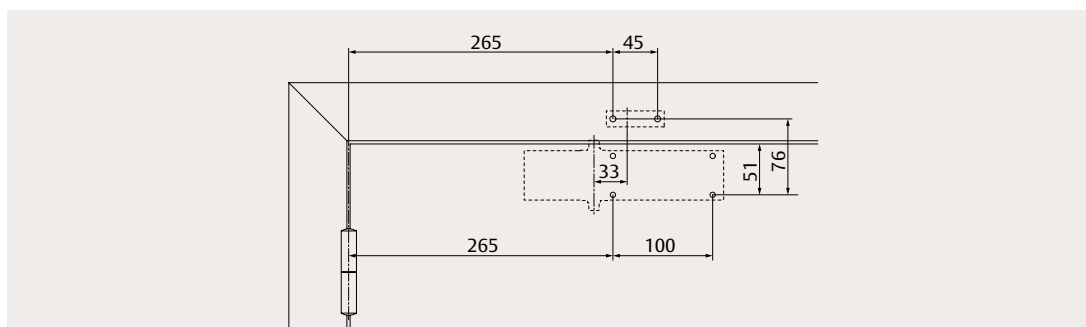
### Direct leaf mounting with link arm EN size 3/4 on hinge side

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



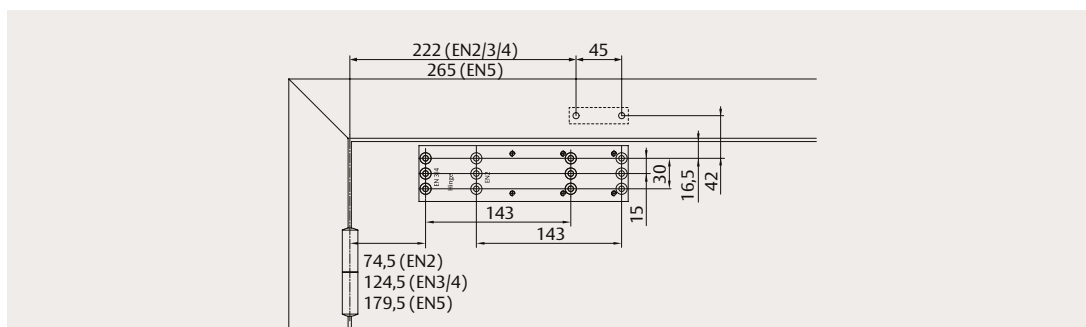
### Direct leaf mounting with link arm EN size 5 on hinge side

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

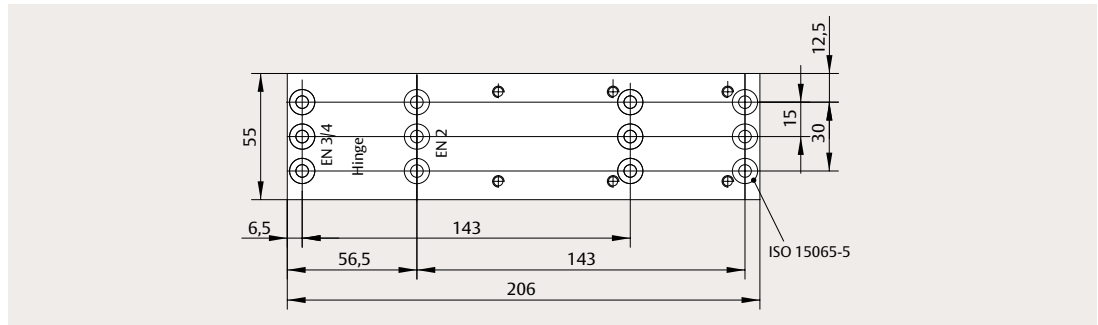
The drawing illustrates  
installation on left-handed  
doors. For right-handed doors,  
it is the reverse.



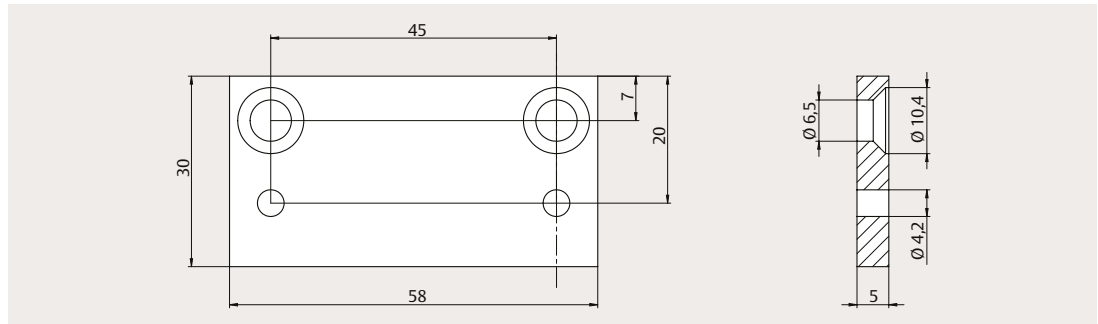
# DC140

## Accessories

### A161 mounting plate for door closer

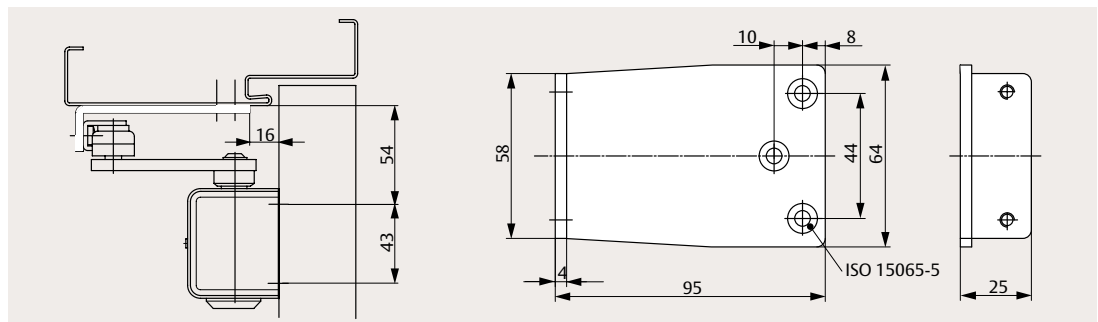


### A168 mounting plate for link arm narrow frame mounting



### 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 |

### 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



## DC120

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



DC120 with standard link arm, silver, EV1

The DC120 series is an economical and compact rack and pinion door closer for a wide range of applications. It has ASSA ABLOY's renowned design style and comes complete with body and arm.

- Certified in compliance with EN 1154, size 2/3/4
- 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
- Black, similar to RAL 9005
- Gold, similar to RAL 1004
- Stainless steel

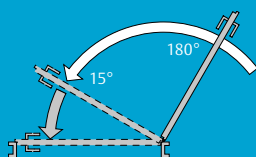
### Features

- 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

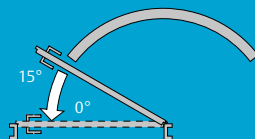
### Product variants

- Standard link arm
- Hold-open link arm (cannot be used on fire doors)

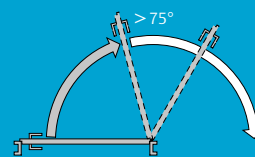
### Independent adjustment via front-facing valves



Closing speed (S)



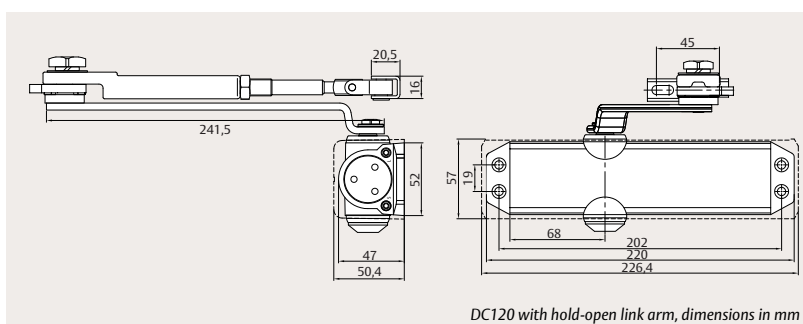
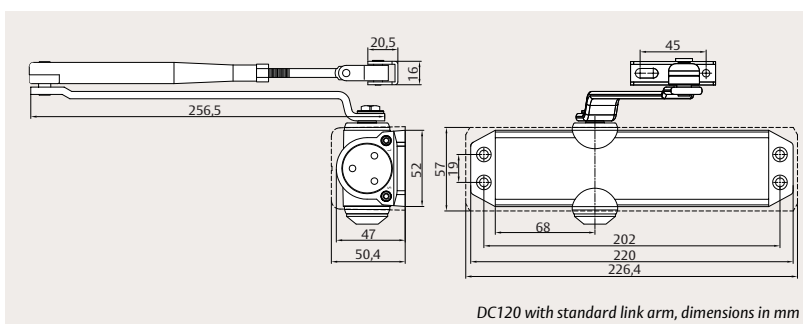
Latch speed (L)



Backcheck (BC)

# DC120

## Technical attributes and certification



### Technical attributes

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



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



### Certification and testing

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

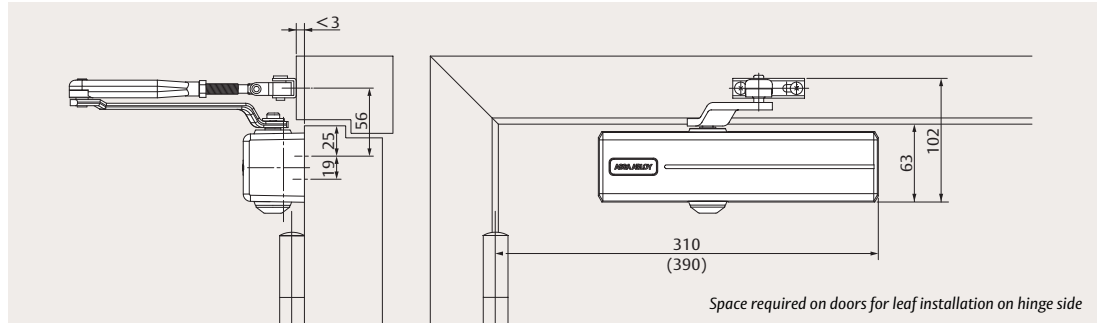


## DC120

### Space requirement and mounting dimensions

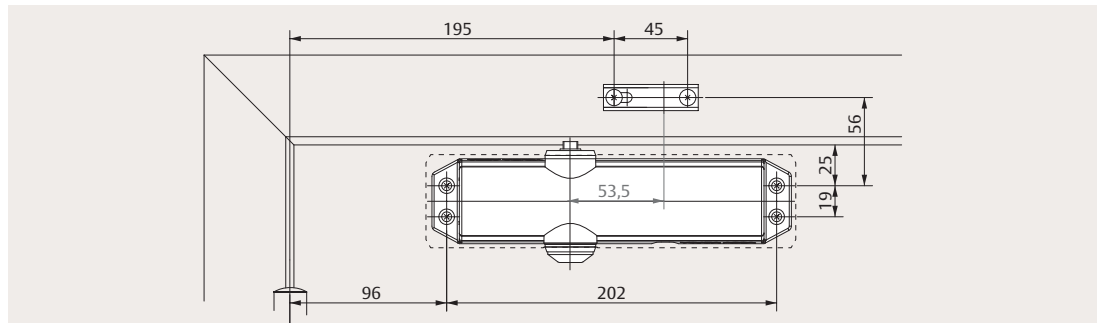


Scan the QR code  
to watch the  
installation video



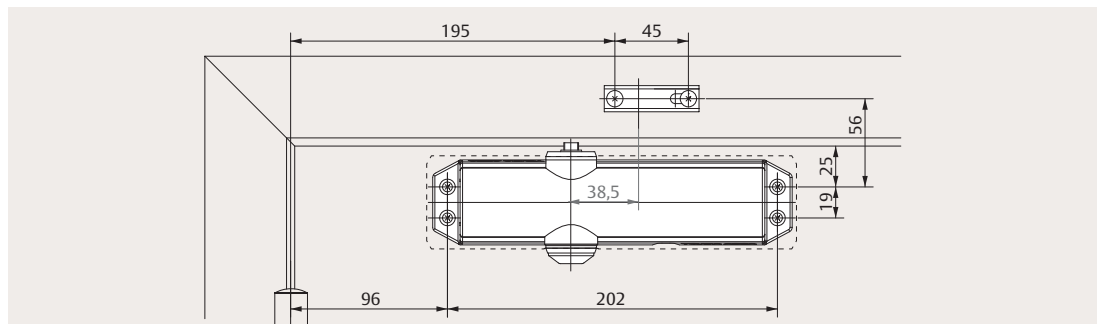
#### Direct leaf mounting EN size 2 on hinge side

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



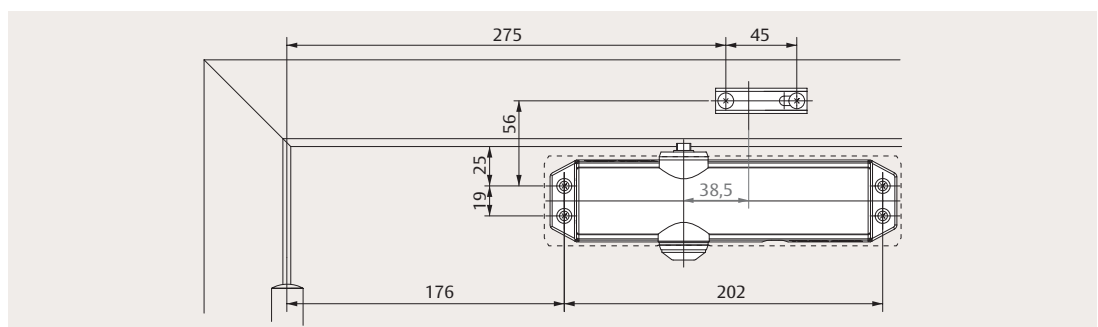
#### Direct leaf mounting EN size 3 on hinge side

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



#### Direct leaf mounting EN size 4 on hinge side

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



# DC120

## Order information



| Door closers  |                 |
|---|-----------------|
| Standard link arm variant with cover  |                 |
| 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-- |
| Hold-open link arm variant with cover   |                 |
| 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 |
| Standard link arm variant without cover                                       |                 |
| DC120 with standard arm, EN size 2/3/4, silver, EV1                           | DC120-4---DEV1- |
| DC120 with standard arm, EN size 2/3/4, white, similar to RAL 9016            | DC120-4---D9016 |
| DC120 with standard arm, EN size 2/3/4, black, similar to RAL 9005            | DC120-4---D9005 |
| DC120 with standard arm, EN size 2/3/4, gold, similar to RAL 1004             | DC120-4---D1004 |

DC120, silver



DC120, white



DC120, black



DC120, gold



DC120, stainless steel



DC120-1, silver



DC120-4, silver



## DC105U

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



DC105U with standard link arm, silver, EV1

The DC105U is an economical and compact solution for a wide range of applications. It is available in a variety of configurations and finishes to meet your specific requirements. The DC105U comes complete with body and arm.

- Certified in compliance with UL 228/ULC-S133, UL 10C
- 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

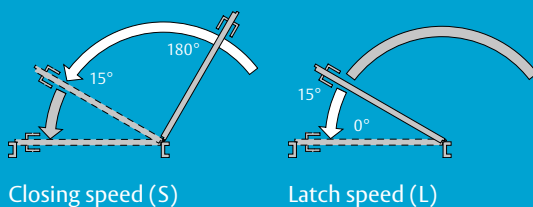
### Features

- 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)

### Independent adjustment via side-facing valves

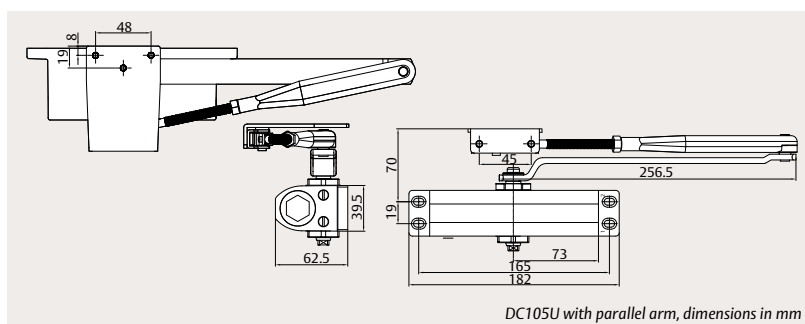
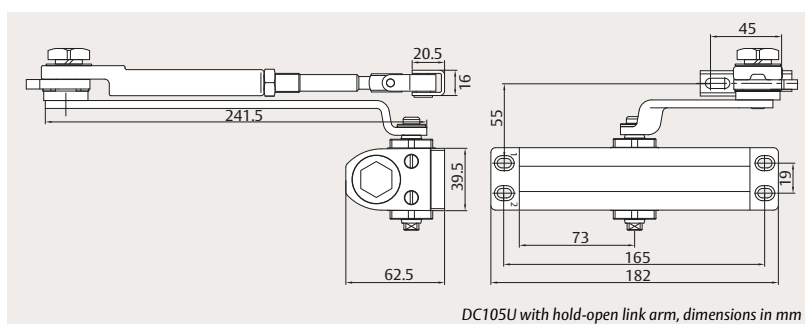
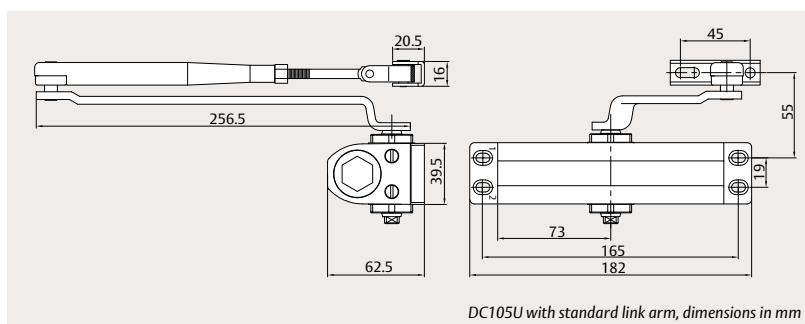


Closing speed (S)

Latch speed (L)

# DC105U

## Technical attributes and certification



### Technical attributes

|                        |  |
|------------------------|--|
| Closing force          | size 2/3/4 (parallel arm size 3)                               |
| Maximum leaf width     | 1100 mm  |
| Closing speed (C)      | 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   |
| Dimensions (H x D x L) | 39.5 x 62.5 x 182 mm   |



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



### Certification and testing

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

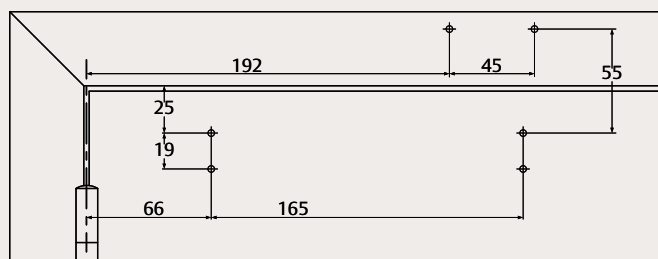


## DC105U

### Mounting dimensions

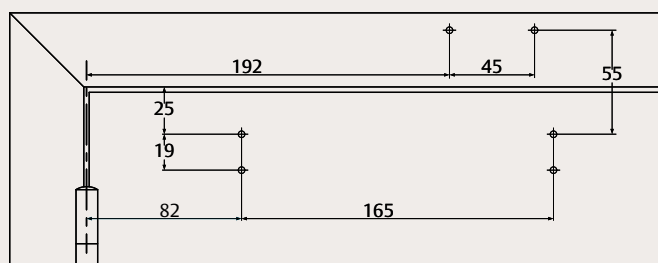
#### Direct leaf mounting with link arm EN size 2 on hinge side

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



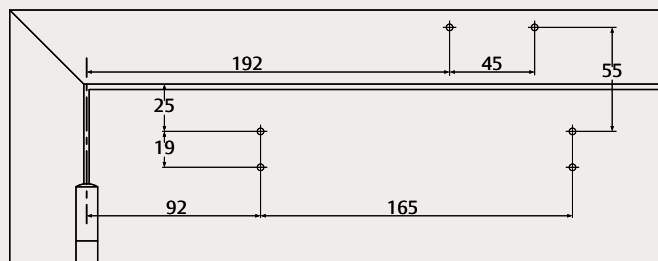
#### Direct leaf mounting with link arm EN size 3 on hinge side

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



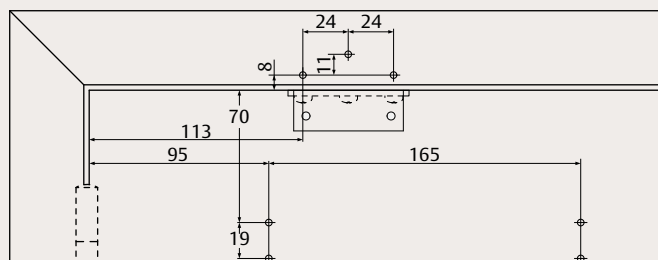
#### Direct leaf mounting with link arm EN size 4 on hinge side

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



#### Direct leaf mounting with 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.





# DC105U

## Order information



### Door closers

#### Standard link arm variant

|  |                 |
|--|-----------------|
| DC105U with standard arm, size 2/3/4, silver, EV1                | DC105U-----EV1- |
| DC105U with standard arm, size 2/3/4, white, similar to RAL 9016 | DC105U-----9016 |
| DC105U with standard arm, size 2/3/4, brown, similar to RAL 8014 | DC105U-----8014 |
| DC105U with standard arm, size 2/3/4, black, similar to RAL 9005 | DC105U-----9005 |

#### Hold-open link arm variant

|   |                 |
|---|-----------------|
| DC105U with hold-open arm, size 2/3/4, silver, EV1                | DC105U-1---EV1- |
| DC105U with hold-open arm, size 2/3/4, white, similar to RAL 9016 | DC105U-1---9016 |
| DC105U with hold-open arm, size 2/3/4, black, similar to RAL 9005 | DC105U-1---9005 |

#### Parallel arm variant

|  |                 |
|--|-----------------|
| DC105U with parallel arm, size 3, silver, EV1                | DC105U-3---EV1- |
| DC105U with parallel arm, size 3, white, similar to RAL 9016 | DC105U-3---9016 |
| DC105U with parallel arm, size 3, black, similar to RAL 9005 | DC105U-3---9005 |

DC105U, silver



DC105U, white



DC105U, brown



DC105U, black



DC105U-1, silver



DC105U-3, silver





# Cam-Motion® Floor Springs

Balance building design and accessibility

*Concealed under the finished floor level and able to control single- and double-action doors, our Cam-Motion floor springs offer enhanced practicality for specific environments.*





## 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

|   | DC477                          | DC450                           | DC410U                          |
|---|--------------------------------|---------------------------------|---------------------------------|
| <b>Closing force</b>  | EN size 2-4                    | EN size 3/4                     | EN size 4                       |
| <b>Maximum leaf width</b>   | 1100 mm                        | 950/1100 mm                     | 1100 mm                         |
| <b>Maximum door weight</b>  | 170 kg                         | 120 kg                          | 100 kg                          |
| <b>Suitable for fire doors</b><br><i>only for ≥EN3 and not for hold-open variants</i> | ■                              | ■                               |                                 |
| <b>Single-action</b>  | ■                              | ■                               | ■                               |
| <b>Double-action</b>  | ■                              | ■                               | ■                               |
| <b>Durability</b>   | High<br>>1.000.000 test cycles | Standard<br>500,000 test cycles | Standard<br>500,000 test cycles |
| <b>Maximum opening angle</b><br><i>1 closing speed<br/>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°                             |
| <b>Hinge distance</b>   | 55 – 57 mm                     | 49 – 54 mm                      | 49 – 54 mm                      |
| <b>Dimensions (H x D x L)</b>   | 70 x 110 x 277 mm              | 40 x 108 x 277 mm               | 40 x 108 x 275 mm               |

## 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 170° in both door swing directions allows for smooth and controlled door operation
- Closing and latch speeds can be raised and lowered independently via top-facing valves
- 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

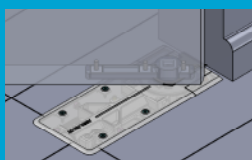
### Product variants

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

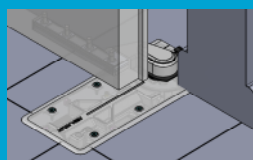
### Accessories

- **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



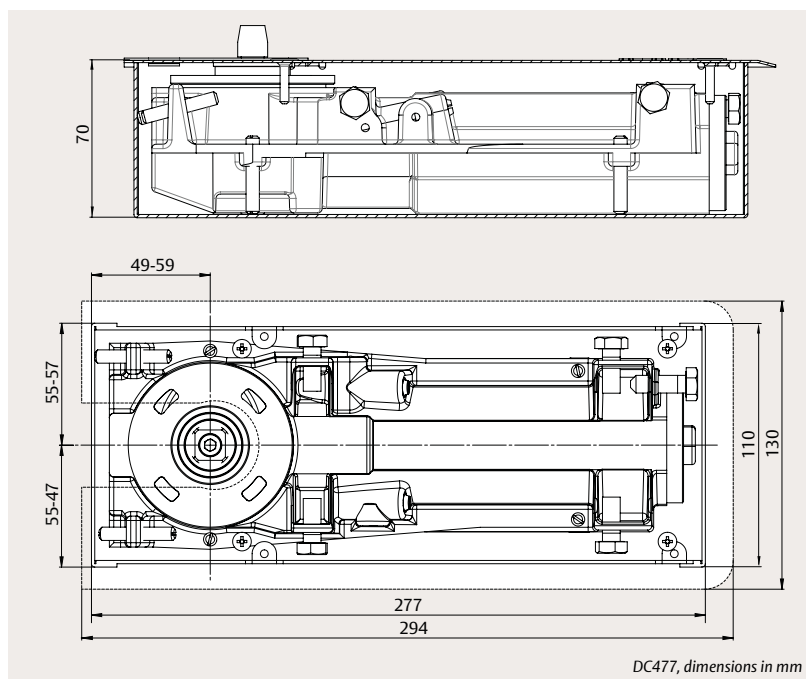
Left-handed doors



Right-handed doors

## DC477

## Technical attributes and certification



## Technical attributes

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



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



## Certification and testing

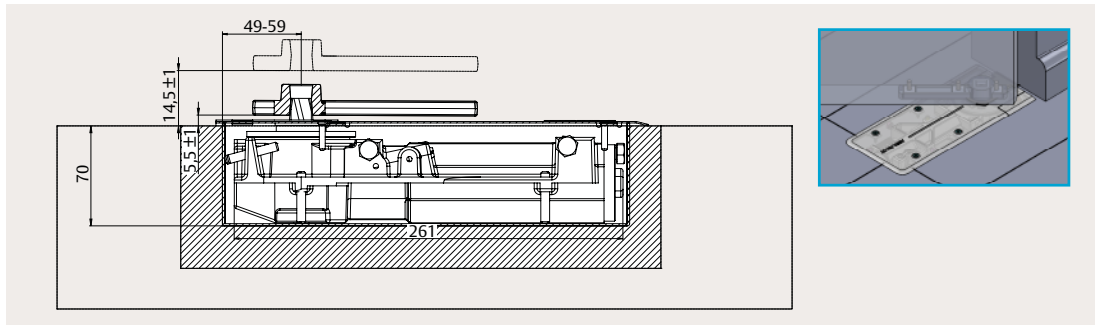
|  |                         |
|--|-------------------------|
| Certified in compliance with                 | EN 1154                 |
| CE classification                            | 3   8   2-4   1   1   4 |
| CE / UKCA mark                               | Yes                     |
| Suitable for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



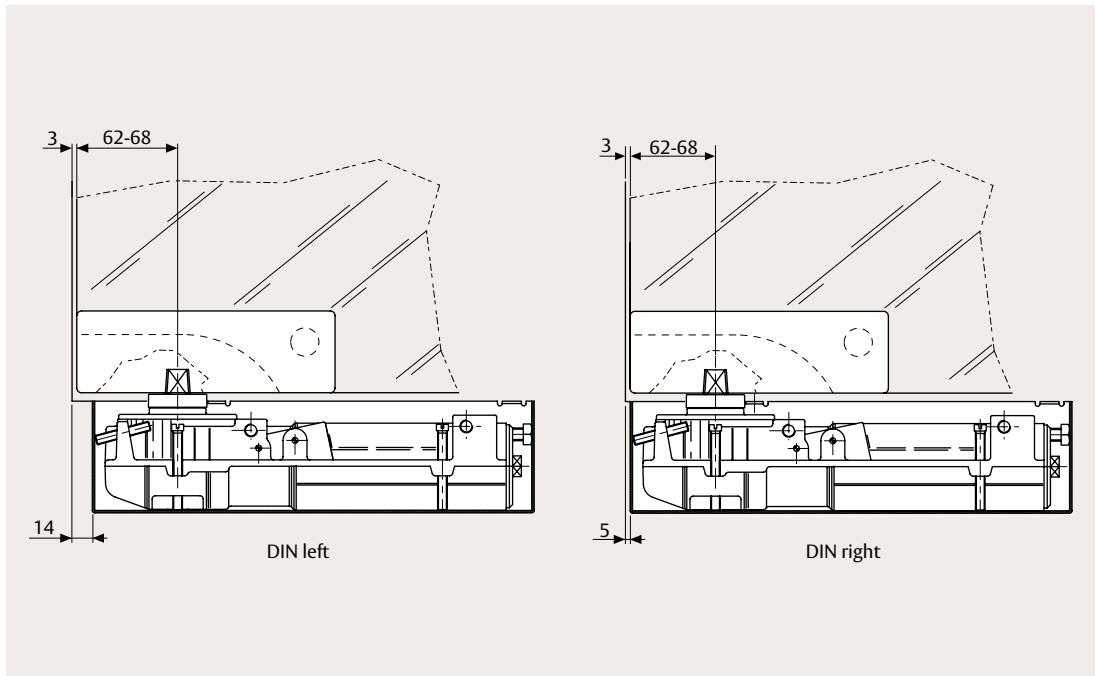
## DC477

### Mounting dimensions and accessories

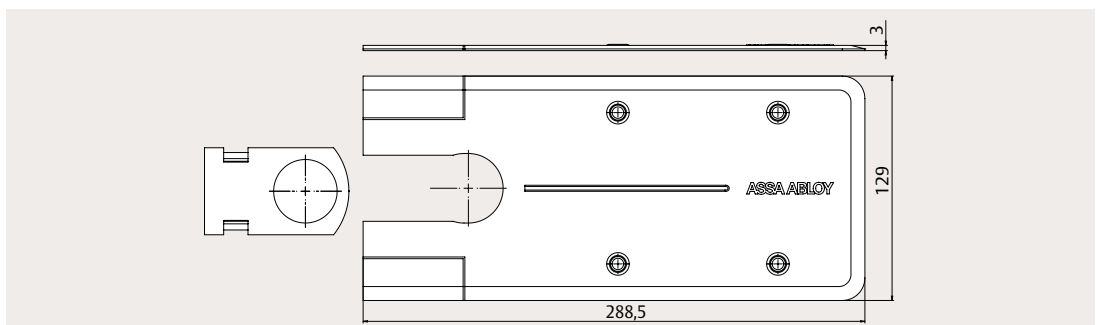
#### Mounting on double action doors



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



#### CP534 cover plate for DC477

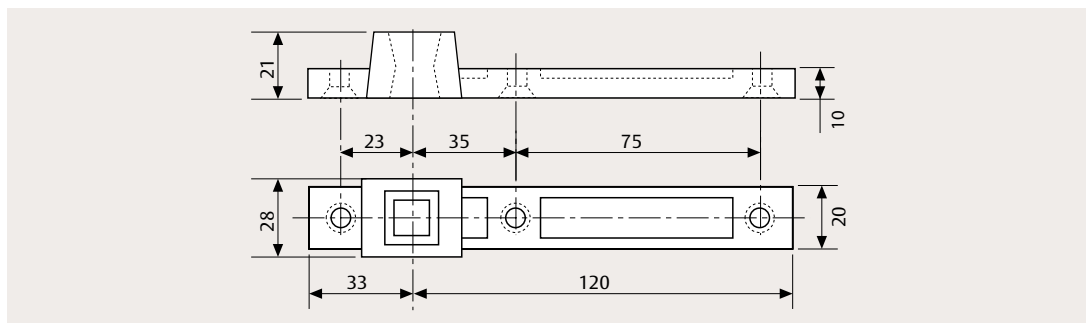


## DC477

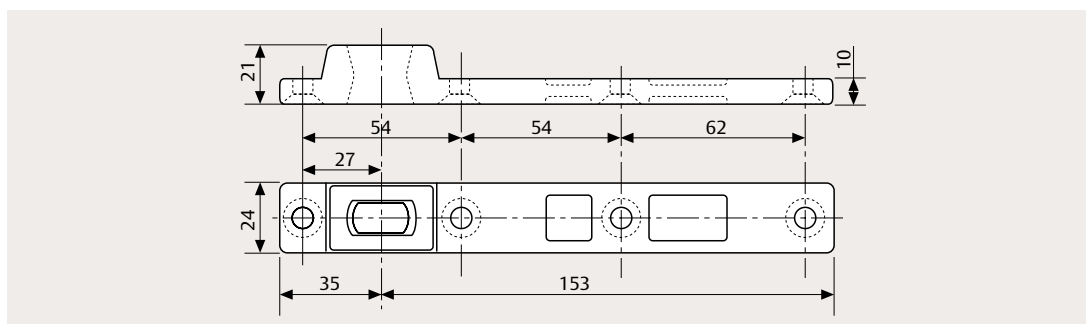
## Accessories

**AC115 reversible  
bottom arm**

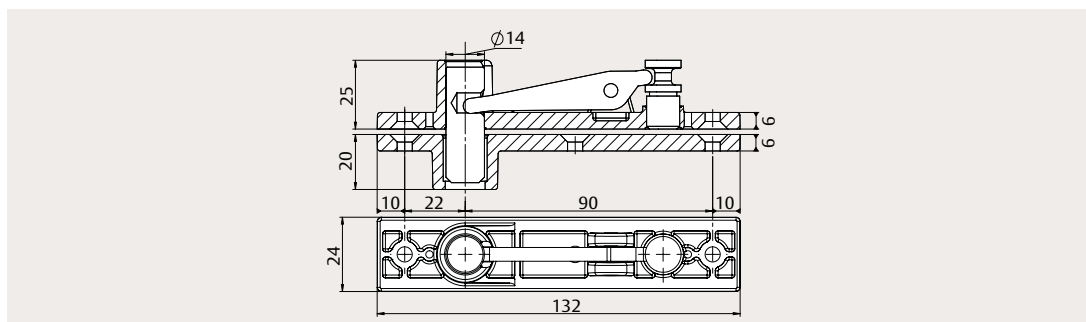
for double action doors;  
socket for Italian squared  
spindle

**AC393 reversible  
bottom arm**

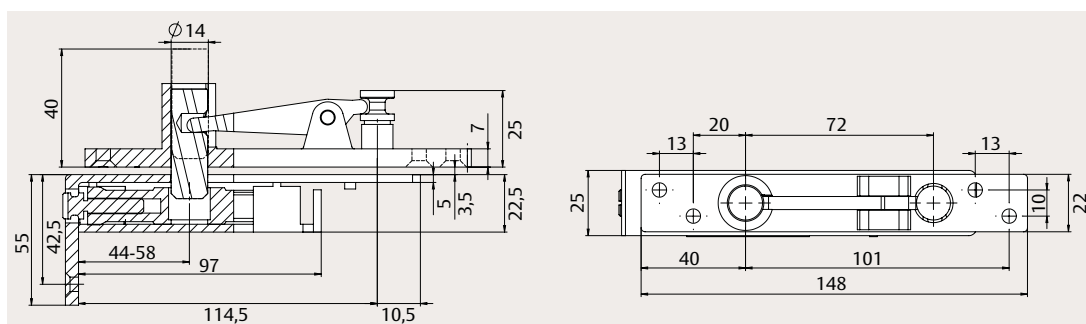
for double action doors;  
socket for German  
rectangular spindle

**AC8 top pivot**

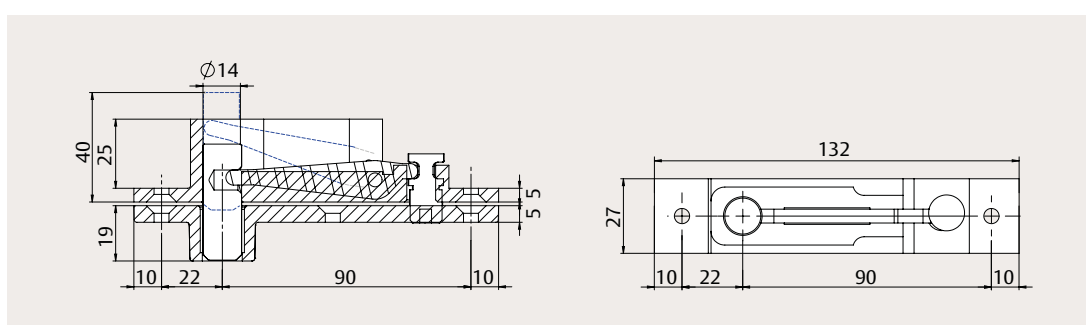
for double action doors

**AC118 top pivot**

for double action doors;  
adjustable pivot point

**A375 top pivot**

for double action doors;  
self-lubricating bushing

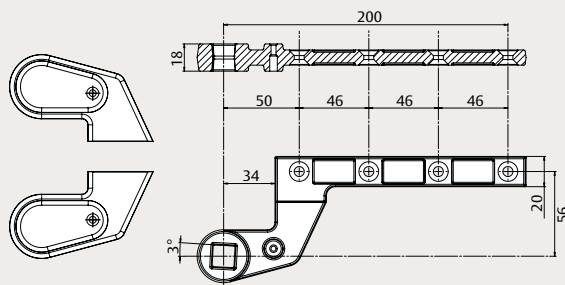


## DC477

### Accessories

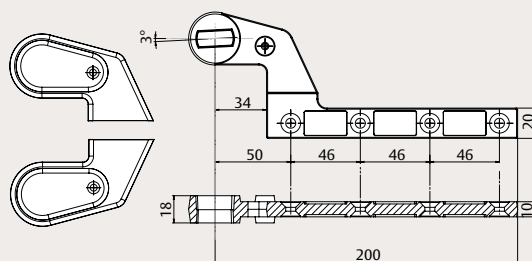
#### AC583 right and left bottom arm

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



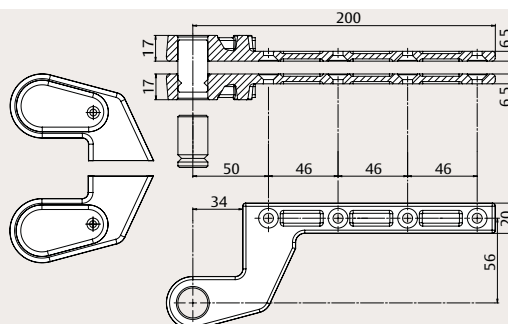
#### AC392 right and left bottom arm

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



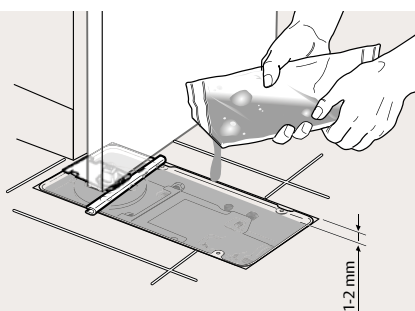
#### AC384 right and left top arm

for single action doors,  
36 mm offset



#### AC612 sealing compound

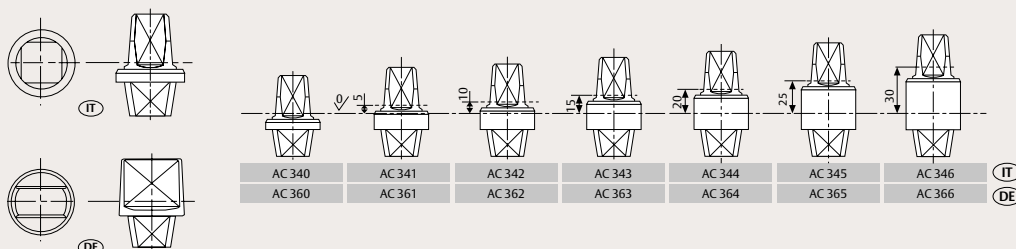
for floor springs



#### 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        |

DC477



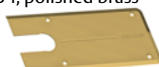
CP534, polished steel



CP534, satin steel



CP534, polished brass



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 or 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 via top-facing valves
- 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

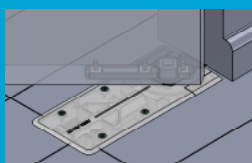
### Product variants

- 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



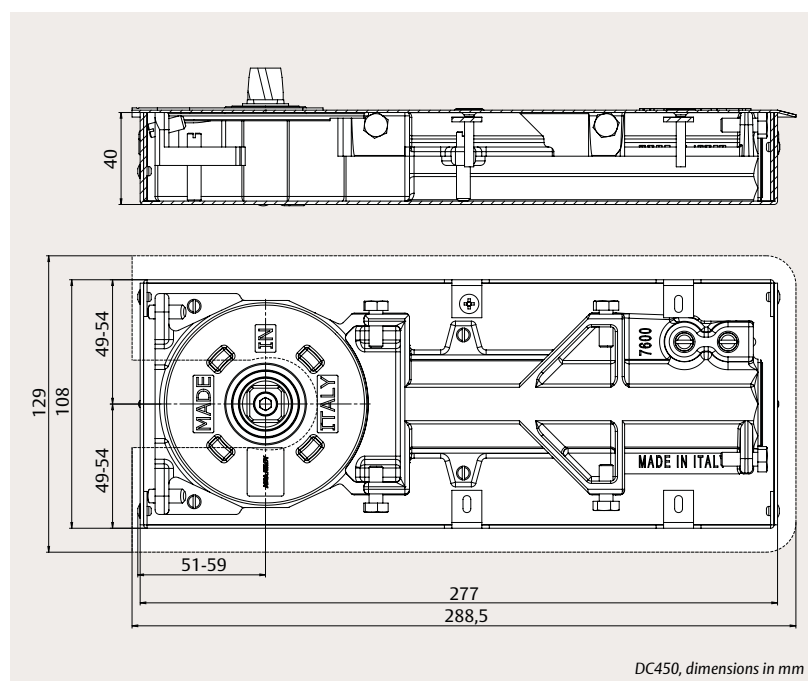
Left-handed doors



Right-handed doors

## DC450

## Technical attributes and certification



## Technical attributes

|                                   |   |
|-----------------------------------|---|
| Closing force                     | EN size 3/4   |
| Maximum leaf width                | 950 mm / 1100 mm                                      |
| Maximum door weight               | 120 kg  |
| Closing speed (C)                 | Variable between 130° and 15°                         |
| Latch speed (L)                   | Variable between 15° and 0°                           |
| Hold-open mode                    | 105° / 90° / without hold-open                        |
| Maximum opening angle             | ~130°   |
| Handing                           | Left- / right-handed or double action                 |
| Force adjustment                  | No  |
| Body adjustment within cement box | 2 mm vertical<br>10 mm side<br>7 mm front<br>2° angle |
| Hinge distance                    | 49 – 54 mm  |
| Corrosion resistance              | Grade 4 (240 hours)                                   |
| Dimensions (H x D x L)            | 40 x 108 x 277 mm                                     |



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



## Certification and testing

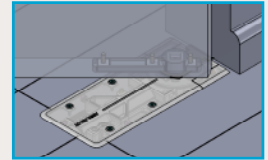
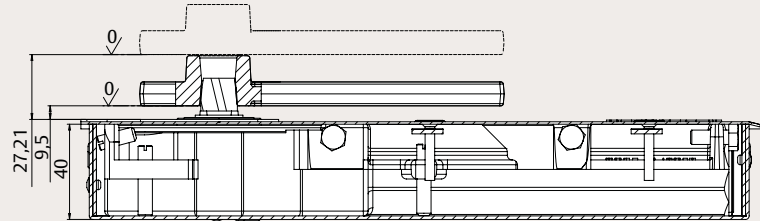
|  |                         |
|--|-------------------------|
| Certified in compliance with                 | EN 1154                 |
| CE classification                            | 3   8   3/4   1   1   4 |
| CE / UKCA mark                               | Yes                     |
| Suitable for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



## DC450

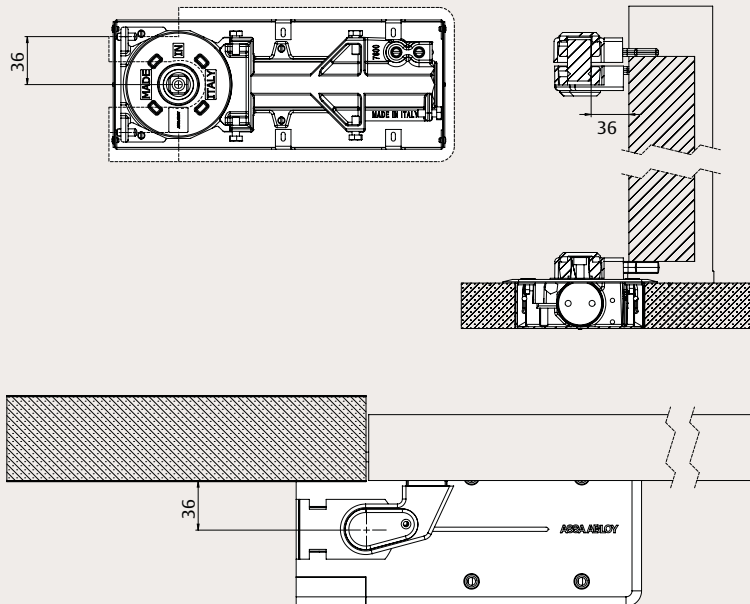
### Mounting dimensions and accessories

#### Mounting on double action doors

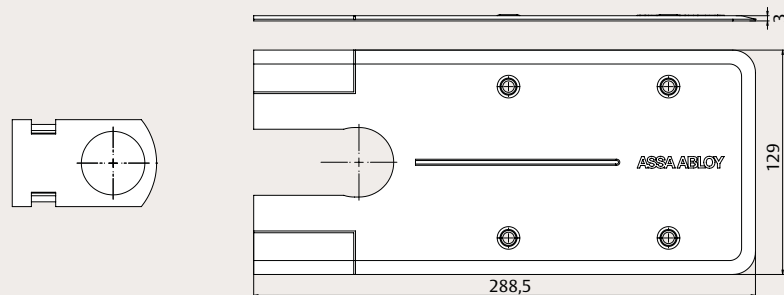


#### Mounting on left- / right-handed doors

The drawing shows mounting on a left-handed door. For right-handed doors it is the reverse.



#### CP619 cover plate for DC450

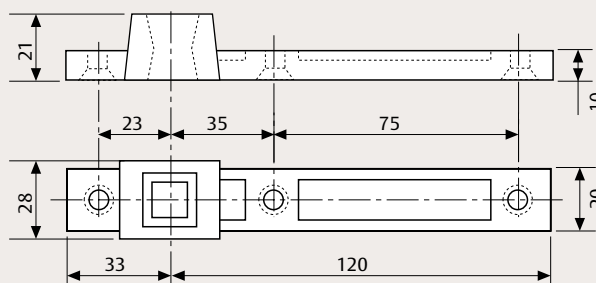


## DC450

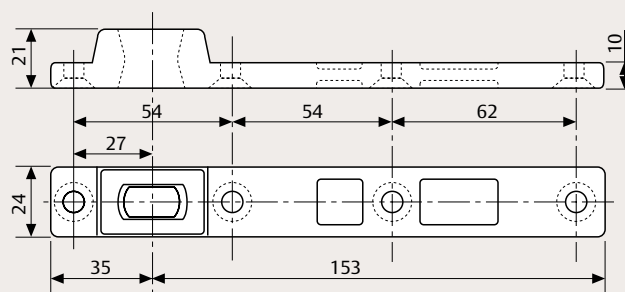
## Accessories

**AC115 reversible  
bottom arm**

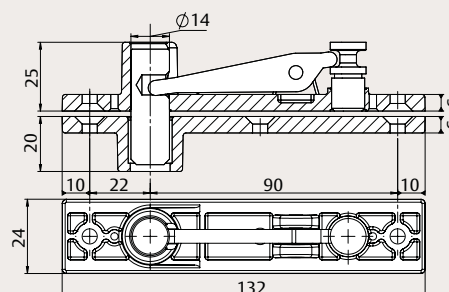
for double action doors;  
socket for Italian squared  
spindle

**AC393 reversible  
bottom arm**

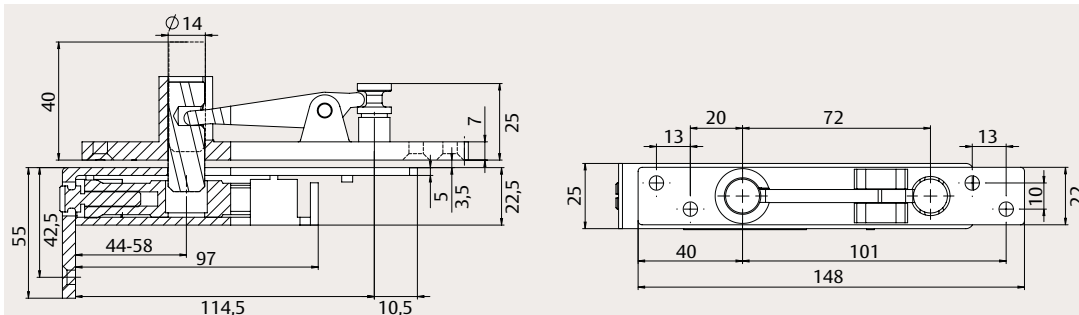
for double action doors;  
socket for German  
rectangular spindle

**AC8 top pivot**

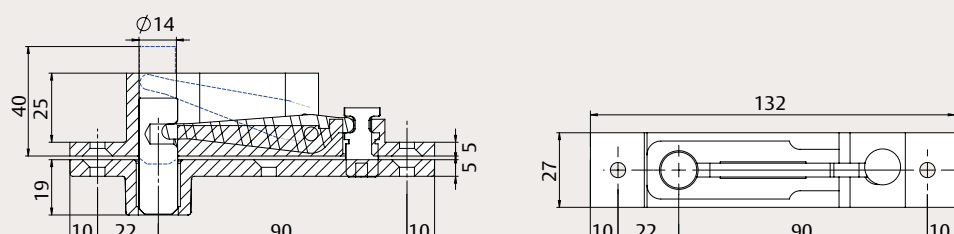
for double action doors

**AC118 top pivot**

for double action doors;  
adjustable pivot point

**A375 top pivot**

for double action doors;  
self-lubricating bushing

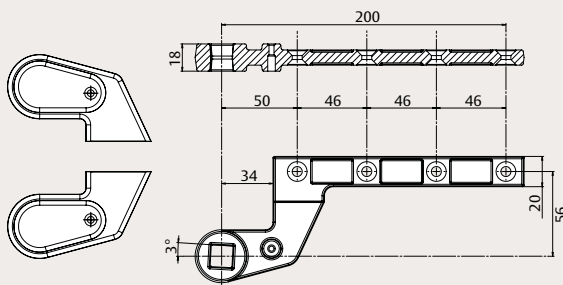


## DC450

### Accessories

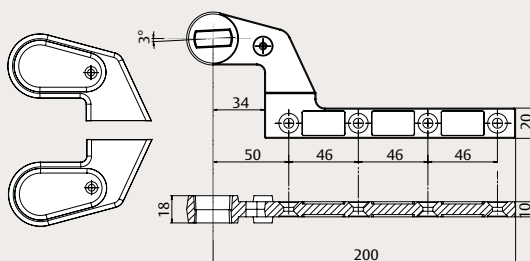
#### AC583 right and left bottom arm

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



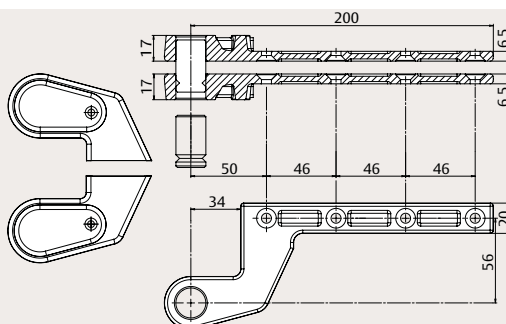
#### AC392 right and left bottom arm

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



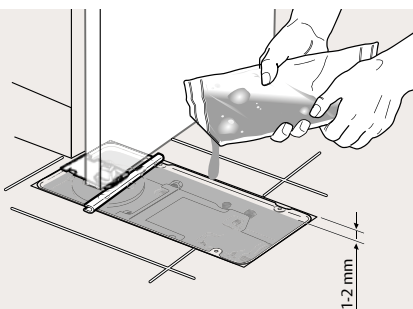
#### AC384 right and left top arm

for single action doors,  
36 mm offset



#### AC612 sealing compound

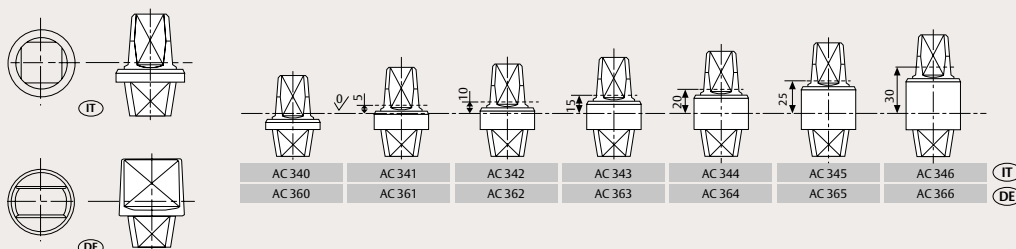
for floor springs



#### 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 via top-facing valves
- 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

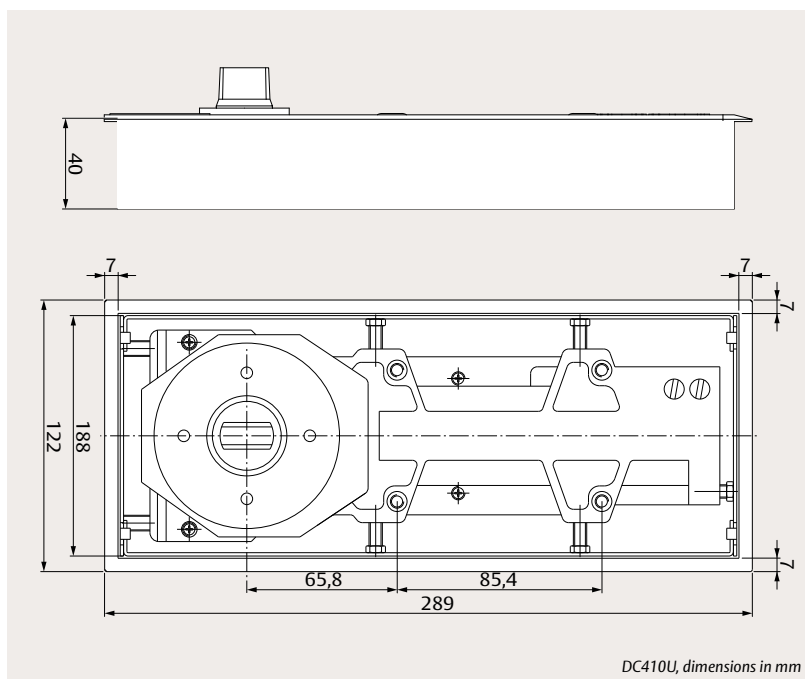
### Accessories

- **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

|                        |                                       |
|------------------------|---------------------------------------|
| Closing force          | EN size 4                             |
| Maximum leaf width     | 1100 mm                               |
| Maximum door weight    | 100 kg                                |
| Closing speed (C)      | Variable between 130° and 15°         |
| Latch speed (L)        | Variable between 15° and 0°           |
| Hold-open mode         | 90° / without hold-open               |
| Maximum opening angle  | ~130°                                 |
| Handing                | Left- / right-handed or double action |
| Force adjustment       | No                                    |
| Dimensions (H x D x L) | 40 x 108 x 275 mm                     |



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



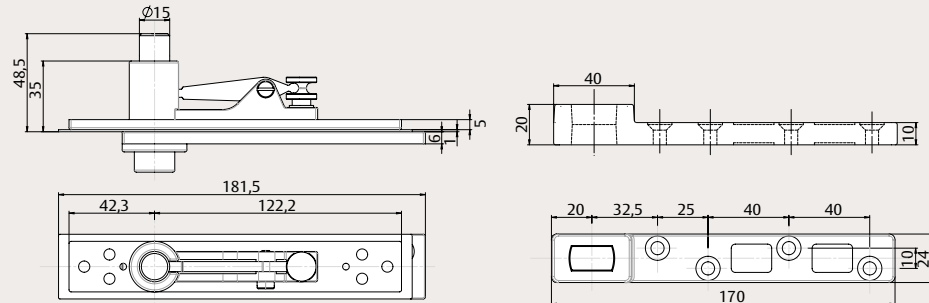
### Order information

|  |                 |
|--|-----------------|
| 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- |

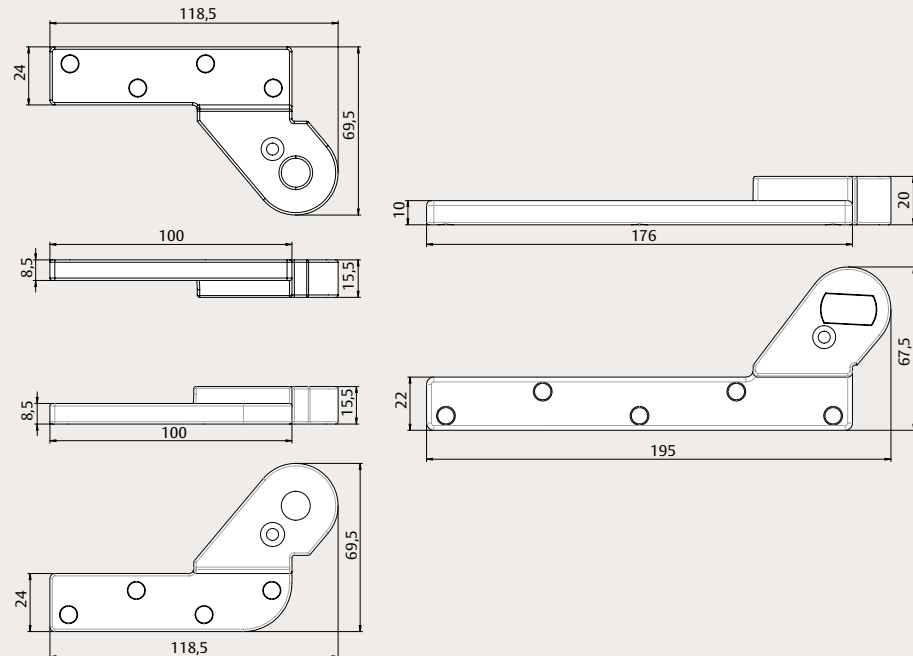
## DC410U

### Accessories

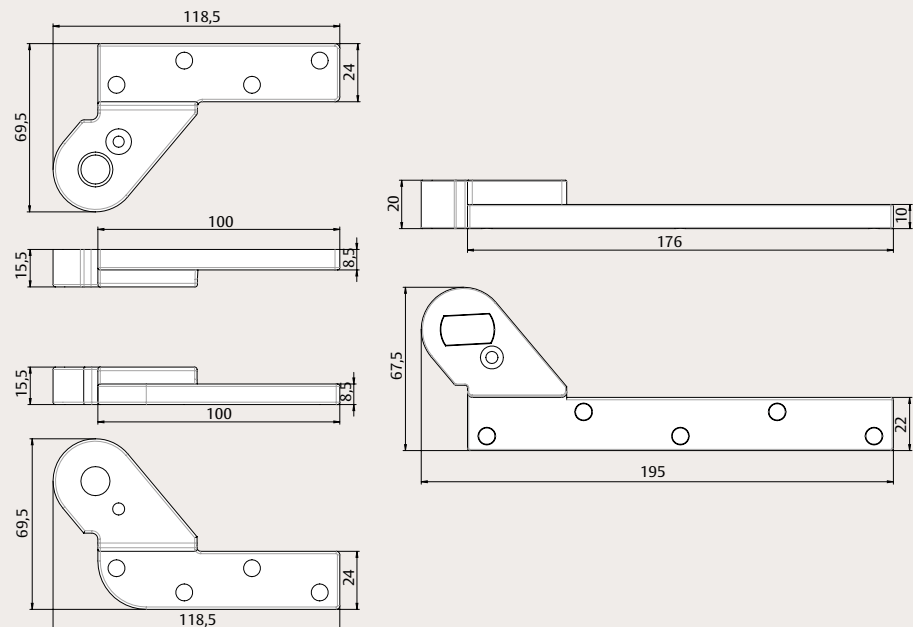
**AC114 double action  
door kit**  
with top pivot and  
bottom arm



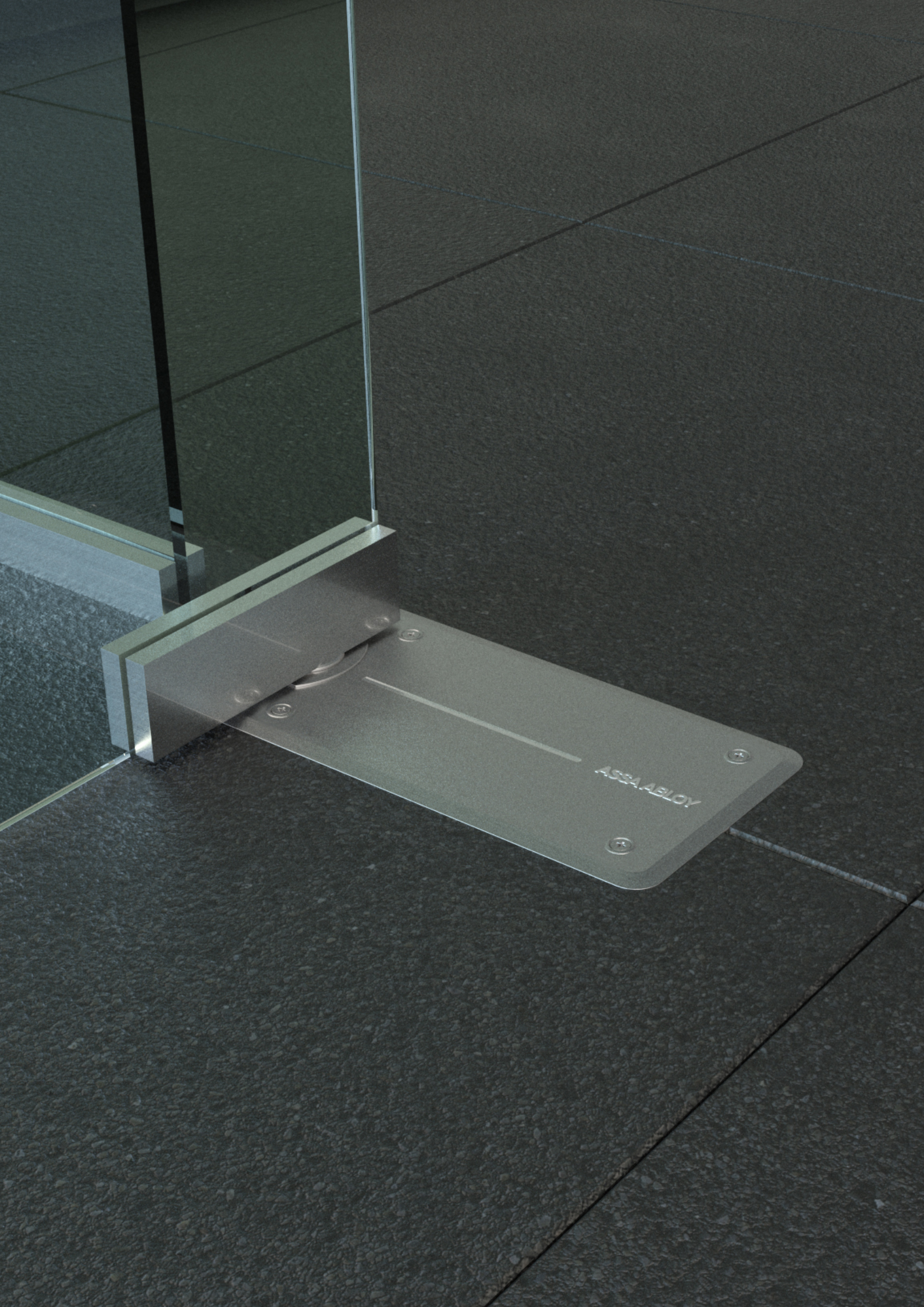
**AC588R top and  
bottom off-set arms**  
for right-handed single  
action doors



**AC588L top and bottom  
off-set arms**  
for left-handed single  
action doors









The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

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