



Door Closers Technical Information

ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions



Unlock your life.

ASSA ABLOY

ASSA ABLOY Sicherheitstechnik GmbH is the world's professional partner for mechanical and electromechanical security solutions offering protection, security and convenience in buildings. The company develops, produces and markets high-quality products and a wide range of systems for the private, commercial and public sector under the long-established IKON and effeff brand names.

ASSA ABLOY Sicherheitstechnik is considered a highly competent and reliable partner by its clients and wins due to its comprehensive know-how, state-of-the-art technology, creative ideas and innovative production processes. Besides comprehensive system solutions for the private and commercial security sectors,

ASSA ABLOY Sicherheitstechnik also offers its customers a whole range of services, expert guidance and solution concepts for individual requirements and special applications. ASSA ABLOY Sicherheitstechnik GmbH employs a total of over 900 workers.

About us

ASSA ABLOY Sicherheitstechnik GmbH

ASSA ABLOY



Arsenal Stadium, London

Breaking new grounds, implementing new technologies, developing new ideas. Founded in 1936, the company effeff based in Albstadt became the market leader in the field of door control systems by following a consistent strategy. After starting the electric strike production in 1947, a comprehensive product range has been gradually developed, which enables effeff to offer suitable solutions for every door.

February 1st, 2000, effeff joined the ASSA ALBOY Group based in Stockholm, Sweden and merged at the beginning of 2005 with IKON GmbH Präzisionstechnik, Berlin who also belong to the group to become ASSA ABLOY Sicherheitstechnik GmbH.

IKON and effeff, both renowned and well-established brands within the market remain under ASSA ABLOY Sicherheitstechnik GmbH as do the production sites of Berlin and Albstadt and a sales office in Ratingen.

ASSA ABLOY is the leading manufacturer and supplier of mechanical and electro-mechanical locks and related products worldwide. Our customers benefit from the extensive know-how of the largest international group of companies, meeting every requirement in terms of total security and comfort throughout the world.



Court of Justice, Antwerpen



Emirates Towers, Dubai



Airport Zurich

We assist you with words and deeds

The experts at ASSA ABLOY Sicherheitstechnik would be pleased to advise you which electric strike model is most suitable for which installation position.

Telephone

+372 655 9101

Fax

+372 655 9100

Technical advice

In the matter of technical advice, with us you will be supported by professionals who will continue to help you on every question on technical details. Of course you can also be put into contact with specialists for questions of detail in the matter of technical risk assessment or key accounts.

Sales advice/order processing

With our commercial customer services you can deal with all questions to do with your purchase order, for example the status of the order processing, the delivery date, purchase order changes, but also returns or guarantee issues. Use this simple and quick option to get information or help from our specialists. We will do that with pleasure.

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Come closer!

Door closers from ASSA ABLOY



Come closer – learn more about the new door closers from ASSA ABLOY. Intelligent features define ASSA ABLOY door closers.

For diverse applications and doors.

ASSA ABLOY's door closers fit a wide range of situations – from the private sphere to the commercial or public sector, for doors heavy and light. Their modular configuration simplifies planning, while the intelligent adjustment and assembly features make for easy installation. The series of door closers is a collective development of the ASSA ABLOY Group.

Continuous design for sophisticated configuration. A uniform design gives rooms and buildings style and aesthetic appeal. In order to achieve a uniform appearance, especially in large buildings, ASSA ABLOY door closers offer attractive design with varying performance features across the entire product range. ASSA ABLOY door closers are available in all shades of RAL colours.

Door closer from ASSA ABLOY – an overview of the benefits

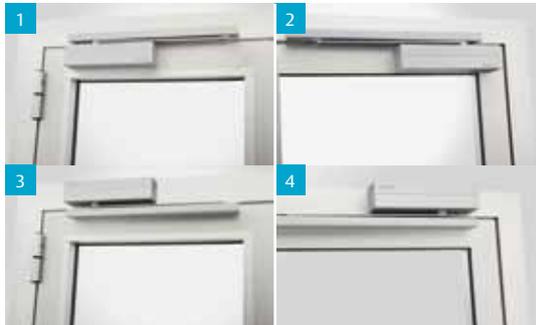
- Invisible mounting plate for all models
- CAM-motion closer design for all for installation types
- Height-adjustable axis
- Adjustable starting point - stop and backcheck
- Height-adjustable guide rail
- Unrestricted functionality even in the event of extreme temperature fluctuations
- Improved access thanks to cam-motion technology
- Uniform mounting points
- Smoke detector stations harmoniously integrated into the guiderails
- Traversable electromechanical locking element
- Consistent design

One for all, all in one.

Systems with variable applications markedly reduce planning and procurement work. Every door closer model can thus be mounted on the hinge side or non-hinge side – suitable for any door situation. The type of mounting need not be factored in during planning. And it can quickly be changed on the door on short notice – for practical planning security.

ASSA ABLOY's door closers and their benefits at a glance

- 1 Standard installation on hinge side
- 2 Standard installation non hinge side
- 3 Frame mounting on hinge side
- 4 Frame mounting non hinge side



Concealed mounting plate



Height adjustable axle



Guide rail height adjustable



Adjustable back-check



Adjustments made easy.

The door is exposed to various stresses on a daily basis: operation by its users, temperature fluctuations, air humidity – it all leaves a mark.

The door hinge wears out, the door “settles” and the door’s closing performance can deteriorate. For closers from ASSA ABLOY can be easily adapted to different circumstances after being installed.

ASSA ABLOY door closers simplify adjustments during the mounting process with clever functions: Installation tolerances can be compensated for without special components thanks to the height-adjustable axis. Height compensation of 14mm takes all constructional situations into account. The arm height can be adjusted quickly and easily and the closing function is set up optimally.

Safety and comfort – with no caveats

Comfort of access and construction legalities need not contradict on another. Many doors should or have to close securely after being passed through. The act of passing through them itself should not be hindered and the door should not open or remain open longer than necessary. ASSA ABLOY door closers make both possible. Even heavy doors can be opened easily by the decreasing counter pressure of the door closer – even with doors which are slightly ajar and even while retaining a high closing force. This makes access quite comfortable. Even if the angle of the opening is small, an integrated cam disk simplifies access thanks to what is known as CAM-motion technology.

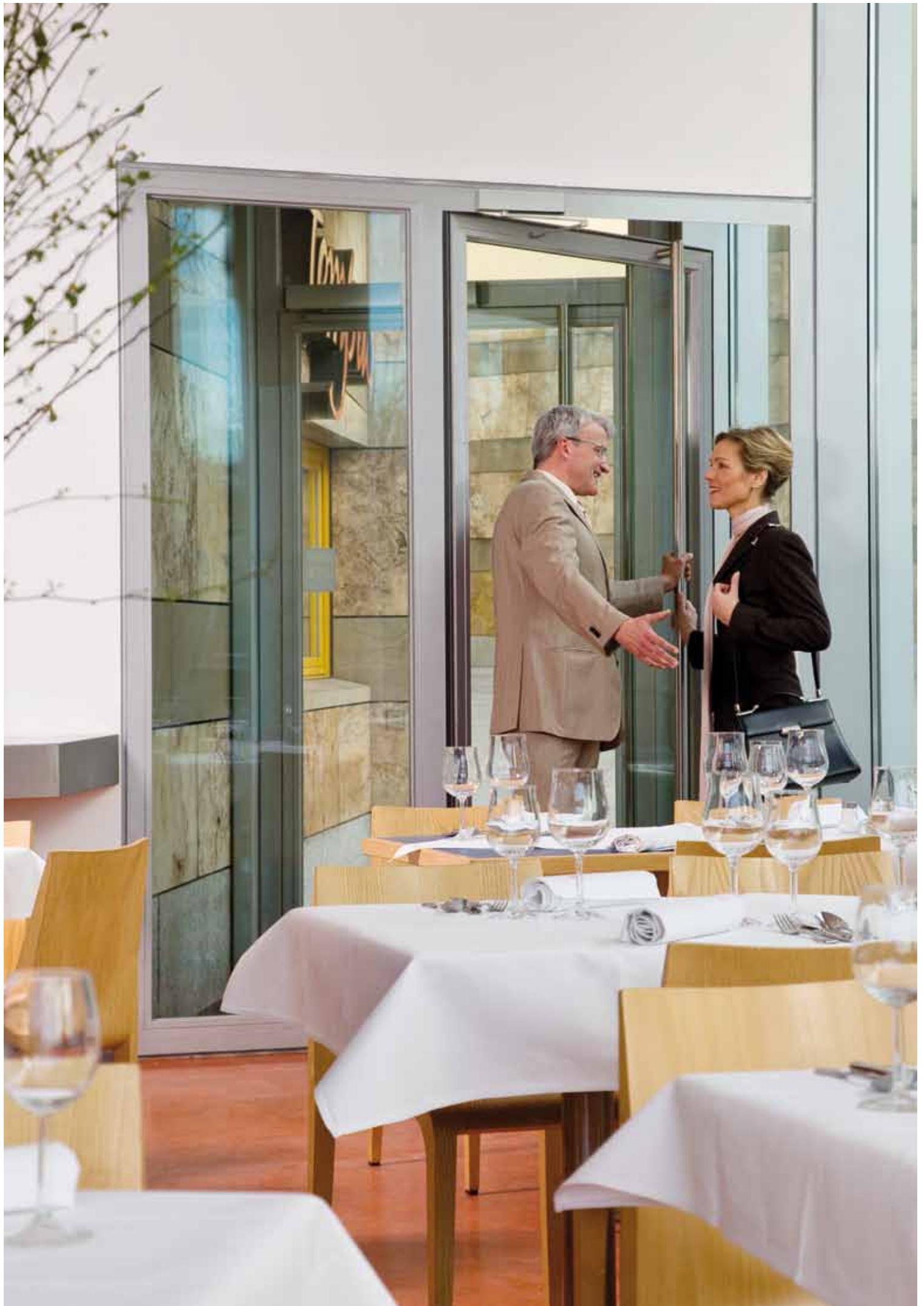
Almost without exception, ASSA ABLOY door closers are equipped with a backcheck which prevents damage.

ASSA ABLOY door closers make highly frequented doors comfortable and easy to pass through – in schools, hospitals, retirement homes, public buildings and offices.

Safety in case of emergency

You'll be on the safe side with ASSA ABLOY, since our door closers meet national and international provisions and regulations. Smoke and fire protection doors may only be equipped with door closer systems which have been inspected according to EN 1154, EN 1155 and/or EN 1158.

ASSA ABLOY provides approved closer systems for single-leaf smoke and fire protection doors with various different usage requirements.



Rack and pinion closers

Compact and convenient

Door closers with link arm

ASSA ABLOY rack and pinion door closers are distinguished by their compact shape and are very versatile thanks to their conventional rack and pinion technology.

Rack and pinion door closers meet the requirements of CEN guidelines TR 15897 / DIN Spec 1104, which recommends a reduction in opening force by 40% by the time the door opening angle reaches 60° at the latest. This way, ASSA ABLOY rack and pinion door closers guarantee comfortable door opening due to the rapidly decreasing force progression.

Doors equipped with these door closers can be opened more easily and with less exertion by the elderly and disabled, as well as children.



ASSA ABLOY door closers with link arm are suitable for various applications and their technology will convince you.



DC200



ASSA ABLOY DC200

- Rack and pinion door closer with link arm L190
- Certified in compliance with EN 1154, size 2-4
- Suitable for fire and smoke protection doors
- For single action doors up to 1100 mm wide

Characteristics DC200

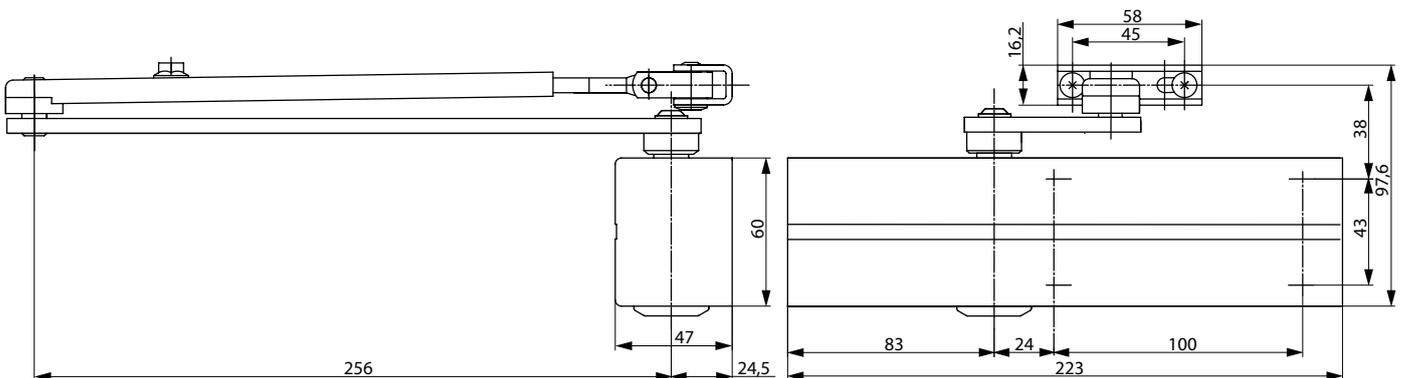
- Can be used with integrated concealed mounting plate, suitable for fire and smoke protection doors
- Can be used for Left and Right hand doors
- Link arm height-adjustable up to 14 mm
- Adjustable door speed, latching speed and back-check from front facing regulator valves
- Thermodynamic valves for consistent performance
- Variable adjustable closing force
- Opening angle up to 180°
- Large range of applications
- Standard colours: Silver, white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request

Performance characteristics hold open link arm L191

- Hold-open angle adjustable up to 150°
- Hold-open mode can be enabled and disabled as required
- Same installation as link arm
- Note: Not to be used with fire and smoke protection doors.



CE	ASSA ABLOY Sicherheitstechnik GmbH Bildstockstraße 20 72458 Albstadt			10		
	1162-CPD-0484	EN1154:1996+A1:2003	4	8	4	1 1 4
Dangerous substances: None						



DC200

Technical attributes

Technical attributes	
Variable adjustable closing force	EN 2-4
Door widths up to	1100 mm
Fire and smoke protection	Yes
Door swing direction	Left / Right hand door
Closing speed	Variable between 180°-0°
Latching speed	Variable between 15°-0°
Backcheck	Variable above 75°
Hold-open mode (with hold open link arm L191)	Adjustable 75°-150°, can be enabled and disabled
Weight	2.2 kg
Height	60 mm
Depth	47 mm
Length	223 mm
Certified in compliance with	EN 1154
CE marking for building products	Yes

The advantages at a glance

Here you can see the individual advantages of our door closer models for your personal field of business.

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Modern design - Compact design - Fulfils barrier-free building requirements - Same dimensions and design with and without mounting plate
Builders & Installers	<ul style="list-style-type: none"> - One drilling template overall - Adjustable to nearly all door and frame types - Quick and easy installation - Quickly and easily adjustable - Suitable for Left and Right hand doors, in both door and frame mounted applications
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - Complementary accessories available for the whole product range
User	<ul style="list-style-type: none"> - Largely unaffected by temperature fluctuations thanks to thermodynamic valves - Backcheck feature offers optimum protection for doors and walls

You can find the complete specifications on the Internet at:

Specifications for DC200

- ASSA ABLOY Door Closer DC200 featuring rack and pinion technology in compliance with EN 1154
- Closing power adjustable, EN size 2-4, for doors up to 1100 mm wide
 - Closing speed, latch speed and backcheck adjustable from front facing regulator valves
 - Supplied with integrated concealed mounting plate, suitable for fire and smoke protection doors
 - CE approved
 - 14 mm height adjustable arm system for ease of fitting
 - Suitable for Left and Right hand doors

Accessories:

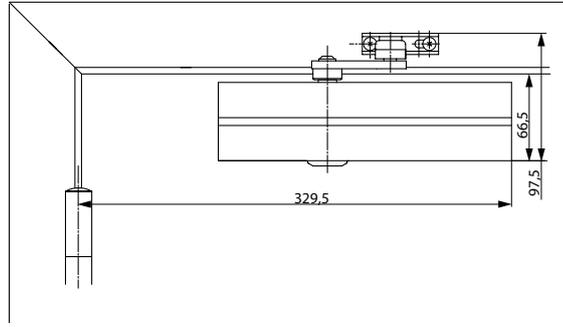
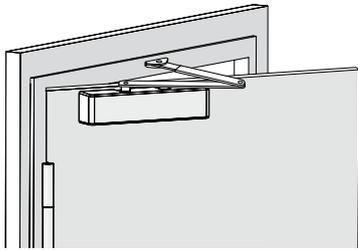
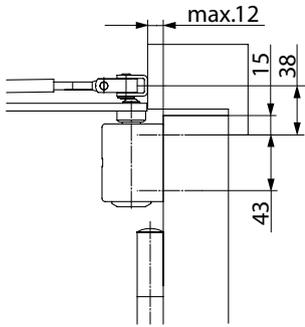
- Link arm L190
- Hold open link arm L191
- Mounting plate A120
- Angle bracket A122
- Parallel arm bracket for parallel arm fitting A154

Colour:

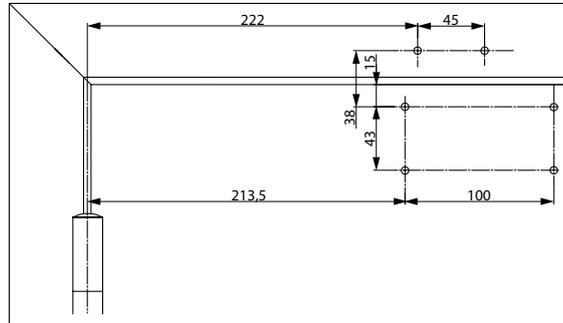
- Silver
- White, similar to RAL9016
- Brown, similar to RAL8014
- Black, similar to RAL9005
- Customized finish

DC200

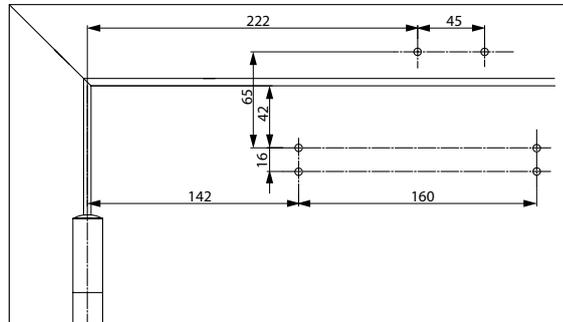
Dimensional drawings



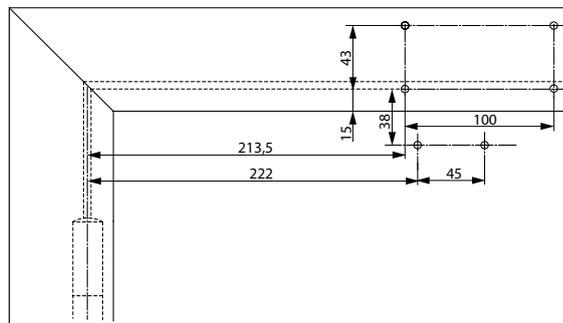
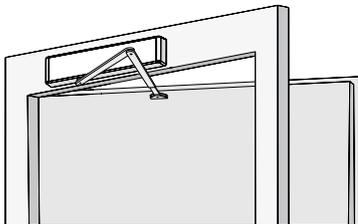
Regular door mounting
Left hand door shown in diagram
Right hand door is the reverse



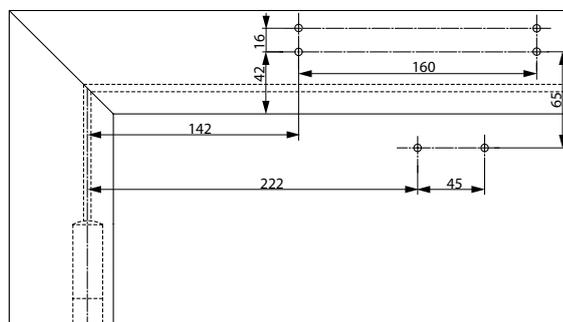
Installation dimensions for direct fitting
Left hand door shown in diagram
Right hand door is the reverse



Fitting dimensions with mounting plate
In compliance with EN 1154, Supplement 1, or for doors where direct fitting is not possible.
Left hand door shown in diagram
Right hand door is the reverse

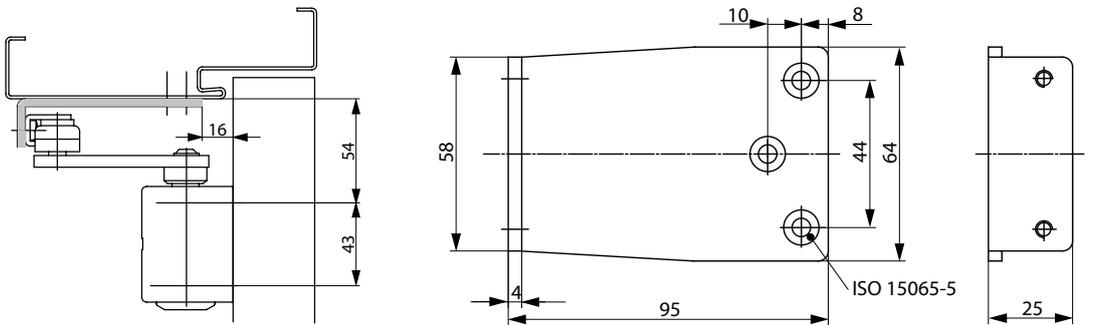
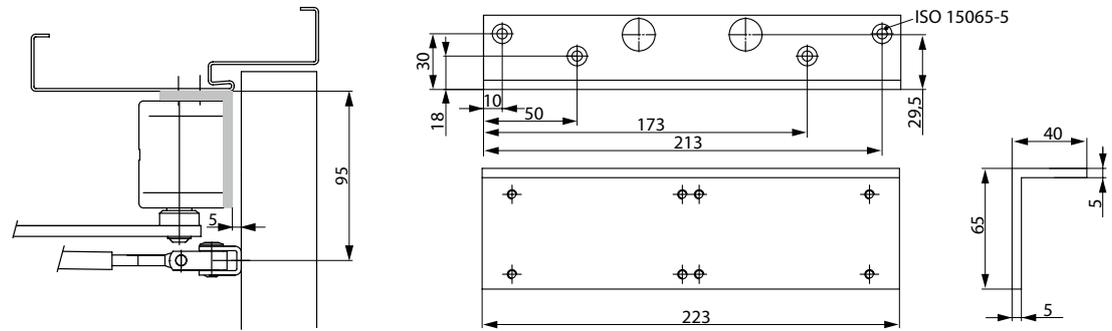
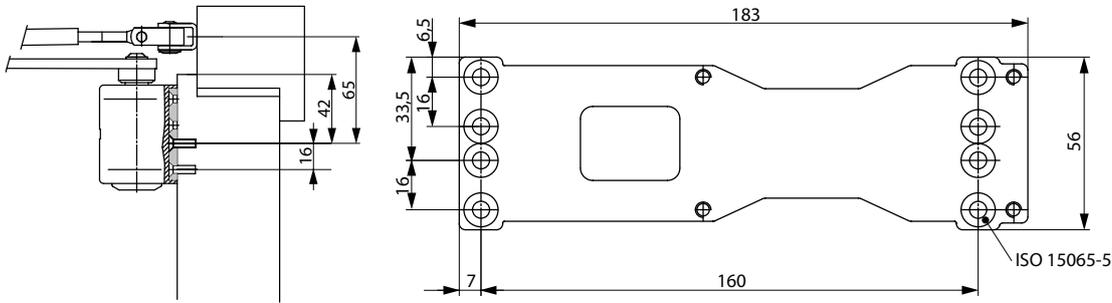


Frame mounting
Closer on non-hinge side of door frame.
Right hand door shown in diagram
Left hand door is the reverse



Fitting dimensions with mounting plate for frame mounting
Closer on non-hinge side of door frame. For doors where direct fitting is not possible.
Right hand door shown in diagram
Left hand door is the reverse

DC200



Mounting plate A120
For mounting with drill template acc. to DIN EN 1154 Supplement 1 (fire and smoke protection doors) and for universal use

Angle bracket A122
For frame installation in case of deep jamb, headroom reduced by 70 mm. Check suitability for use on fire and smoke protection doors.

Parallel arm bracket A154
For Parallel Arm installation. Check suitability for use on fire and smoke protection doors. When using parallel arm mounting you loose ca. 15% of closing moment.

Description	Order no.	Description	Order no.
DC200 EN size 2-4, silver		Hold open link arm L191, customized finish	
DC200 EN size 2-4, white, similar to RAL9016		Mounting plate A120, galvanised	
DC200 EN size 2-4, brown, similar to RAL8014		Angle bracket A122, silver	
DC200 EN size 2-4, black, similar to RAL9005		Angle bracket A122, white, similar to RAL9016	
DC200 EN size 2-4, customized finish		Angle bracket A122, brown, similar to RAL8014	
Link arm L190, silver		Angle bracket A122, black, similar to RAL9005	
Link arm L190, white, similar to RAL9016		Angle bracket A122, customized finish	
Link arm L190, brown, similar to RAL8014		Parallel arm bracket A154, silver	
Link arm L190, black, similar to RAL9005		Parallel arm bracket A154, white, similar to RAL9016	
Link arm L190, customized finish		Parallel arm bracket A154, brown, similar to RAL8014	
Hold open link arm L191, silver		Parallel arm bracket A154, black, similar to RAL9005	
Hold-open link arm L191, white, similar to RAL9016		Parallel arm bracket A154, customized finish	
Hold open link arm L191, brown, similar to RAL8014			
Hold open link arm L191, black, similar to RAL9005			

DC300



ASSA ABLOY DC300

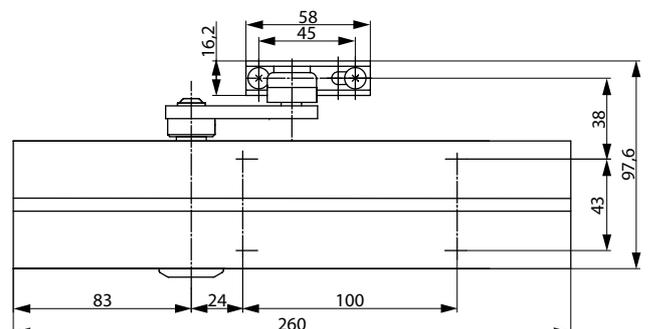
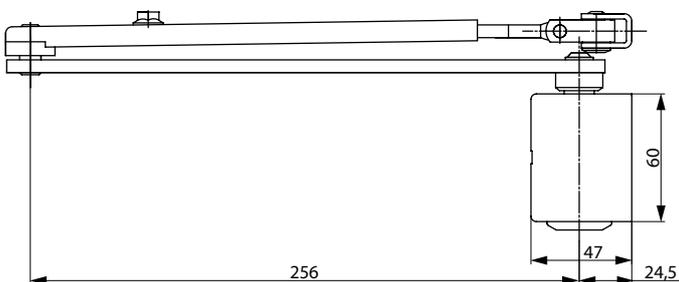
- Rack and pinion door closer with link arm L190
- Size 3-6
- Doors up to 1400 mm wide

Characteristics DC300

- For single action doors up to 1400 mm wide
- Can be used with integrated concealed mounting plate
- Can be used for Left and Right hand doors
- Link arm height-adjustable up to 14 mm
- Adjustable door speed, latching speed and back-check from front facing regulator valves
- Thermodynamic valves for consistent performance
- Variable adjustable closing force
- Opening angle up to 180°
- Large range of applications
- Standard colours: Silver, white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request

Performance characteristics hold open link arm L191

- Hold-open angle adjustable up to 150°
- Hold-open mode can be enabled and disabled as required
- Same installation as link arm
- Note: Not to be used with fire and smoke protection doors.



DC300

Technical attributes

Technical attributes	
Variable adjustable closing force	size 3-6
Door widths up to	1400 mm
Door swing direction	Left / Right hand door
Closing speed	Variable between 180°-0°
Latching speed	Variable between 15°-0°
Backcheck	Variable above 75°
Hold-open mode (with hold open link arm L191)	Adjustable 75°-150°, can be enabled and disabled
Weight	2.4 kg
Height	60 mm
Depth	47 mm
Length	260 mm

The advantages at a glance

Here you can see the individual advantages of our door closer models for your personal field of business.

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses - Modern design - Compact design - Fulfills barrier-free building requirements - Same dimensions and design with and without mounting plate - Comprehensive functions, standard and optional
Builders & Installers	<ul style="list-style-type: none"> - One drilling template overall - Adjustable to nearly all door and frame types - Quick and easy installation - Quickly and easily adjustable - Suitable for Left and Right hand doors, in both door and frame mounted applications
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - Complementary accessories available for the whole product range
User	<ul style="list-style-type: none"> - Largely unaffected by temperature fluctuations thanks to thermodynamic valves - Backcheck feature offers optimum protection for doors and walls

You can find the complete specifications on the Internet at:

Specifications for DC300

- ASSA ABLOY Door Closer DC300 featuring rack and pinion technology
- Closing power adjustable, size 3-6, for doors up to 1.400 mm wide
 - Closing speed, latch speed and backcheck adjustable from front facing regulator valves
 - Supplied with integrated concealed mounting plate
 - 14 mm height adjustable arm system for ease of fitting
 - Suitable for Left and Right hand doors

Accessories:

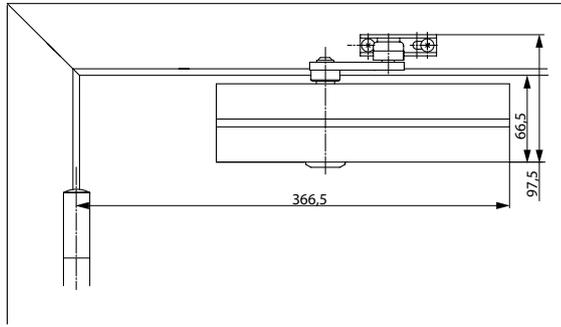
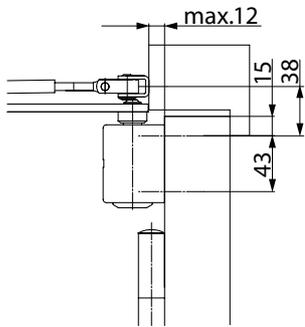
- Link arm L190
- Hold open link arm L191
- Mounting plate A120
- Angle bracket A123
- Parallel arm bracket for parallel arm fitting A154

Colour:

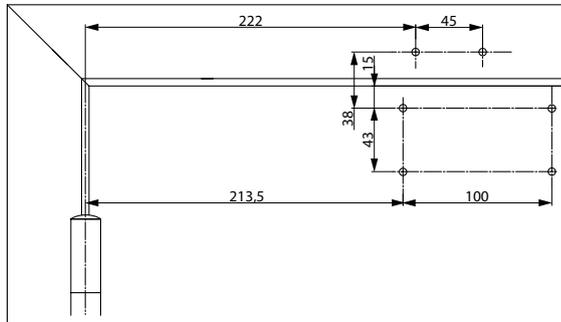
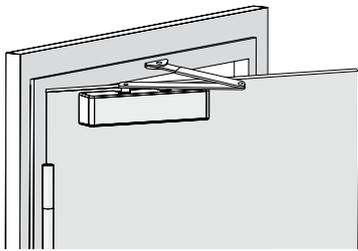
- Silver EV1
- White, similar to RAL9016
- Brown, similar to RAL8014
- Black, similar to RAL9005
- Customized finish

DC300

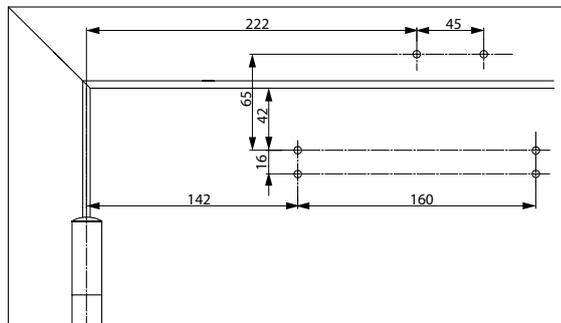
Dimensional drawings



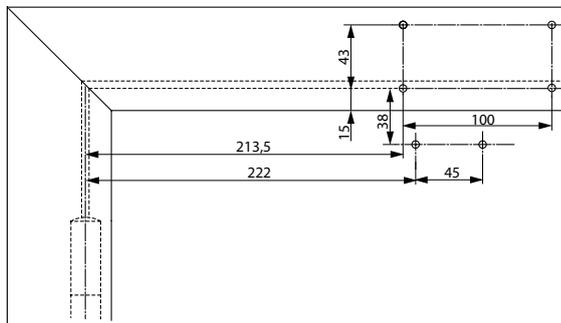
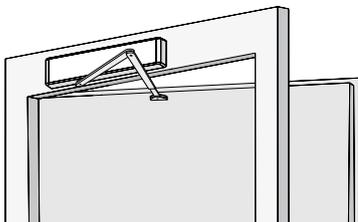
Regular door mounting
Left hand door shown in diagram
Right hand door is the reverse



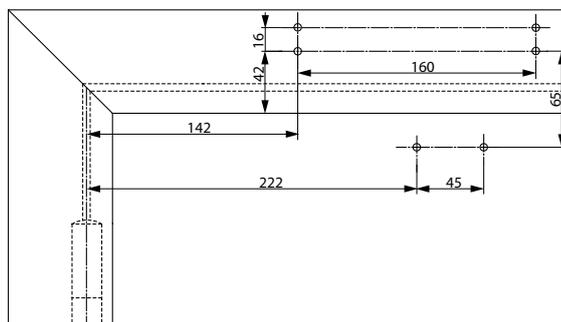
Installation dimensions for direct fitting
Left hand door shown in diagram
Right hand door is the reverse



Fitting dimensions with mounting plate
In compliance with EN 1154, Supplement 1, or for doors where direct fitting is not possible.
Left hand door shown in diagram
Right hand door is the reverse

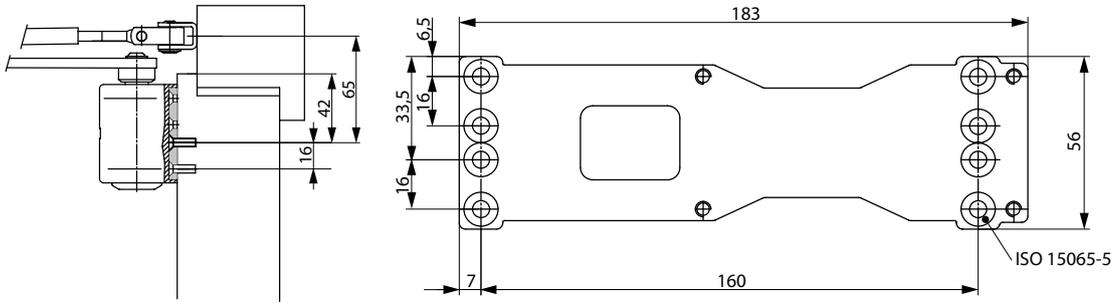


Frame mounting
Closer on non-hinge side of door frame.
Right hand door shown in diagram
Left hand door is the reverse

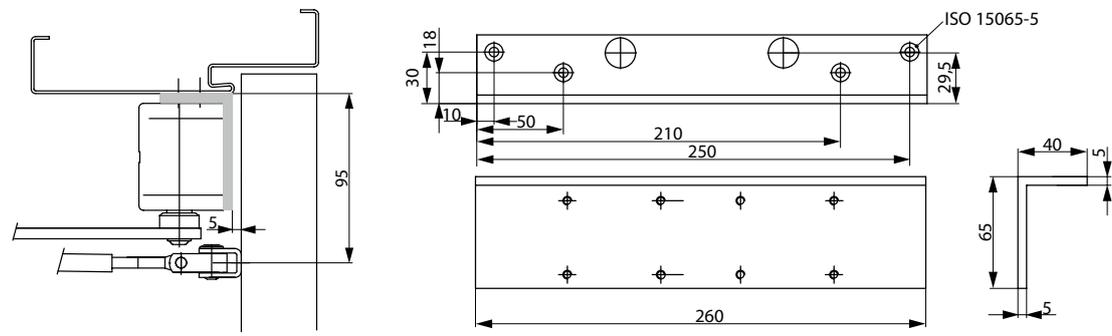


Fitting dimensions with mounting plate for frame mounting
Closer on non-hinge side of door frame. For doors where direct fitting is not possible.
Right hand door shown in diagram
Left hand door is the reverse

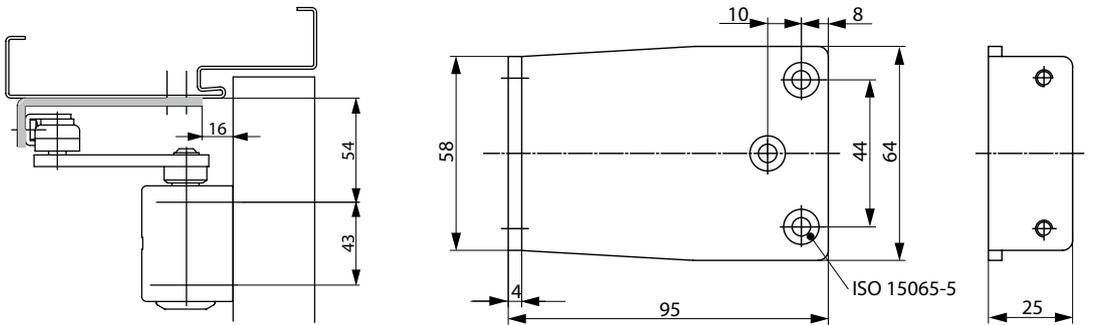
DC300 Accessories



Mounting plate A120
For mounting with drill template acc. to DIN EN 1154 Supplement 1 and for universal use



Angle bracket A123
For frame installation in case of deep jamb, headroom reduced by 70 mm.



Parallel arm bracket A154
For Parallel Arm installation.

Description	Order no.
DC300 size 3-6, silver	
DC300 size 3-6, white, similar to RAL9016	
DC300 size 3-6, brown, similar to RAL8014	
DC300 size 3-6, black, similar to RAL9005	
DC300 size 3-6, customized finish	
Link arm L190, silver	
Link arm L190, white, similar to RAL9016	
Link arm L190, brown, similar to RAL8014	
Link arm L190, black, similar to RAL9005	
Link arm L190, customized finish	
Hold open link arm L191, silver	
Hold-open link arm L191, white, similar to RAL9016	
Hold open link arm L191, brown, similar to RAL8014	
Hold open link arm L191, black, similar to RAL9005	

Description	Order no.
Hold open link arm L191, customized finish	
Mounting plate A120, galvanised	
Angle bracket A123, silver	
Angle bracket A123, white, similar to RAL9016	
Angle bracket A123, brown, similar to RAL8014	
Angle bracket A123, black, similar to RAL9005	
Angle bracket A123, customized finish	
Parallel arm bracket A154, silver	
Parallel arm bracket A154, white, similar to RAL9016	
Parallel arm bracket A154, brown, similar to RAL8014	
Parallel arm bracket A154, black, similar to RAL9005	
Parallel arm bracket A154, customized finish	

DC300DA with delayed action

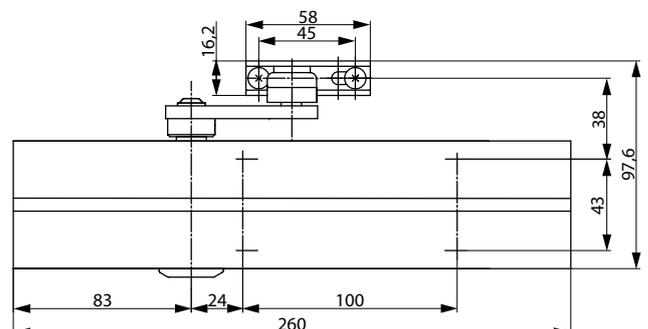


ASSA ABLOY DC300DA

- Rack and pinion door closer with link arm L190
- Size 3-6
- Doors up to 1400 mm wide

Characteristics DC300DA

- With adjustable delayed action
- For single action doors up to 1400 mm wide
- Can be used with integrated concealed mounting plate
- Can be used for Left and Right hand doors
- Link arm height-adjustable up to 14 mm
- Adjustable door speed, latching speed and back-check from front facing regulator valves
- Thermodynamic valves for consistent performance
- Variable adjustable closing force
- Opening angle up to 180°
- Large range of applications
- Standard colours: silver , white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request



DC300DA with delayed action

Technical attributes

Technical attributes	
Delayed action	Yes
Variable adjustable closing force	size 3-6
Door widths up to	1400 mm
Fire and smoke protection	Yes
Door swing direction	Left / Right hand door
Closing speed	Variable between 180°-0°
Latching speed	Variable between 15°-0°
Backcheck	Variable above 75°
Weight	2.4 kg
Height	60 mm
Depth	47 mm
Length	260 mm

The advantages at a glance

Here you can see the individual advantages of our door closer models for your personal field of business.

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses - Modern design - Compact design - Fulfils barrier-free building requirements - Same dimensions and design with and without mounting plate - Comprehensive functions, standard and optional
Builders & Installers	<ul style="list-style-type: none"> - One drilling template overall - Adjustable to nearly all door and frame types - Quick and easy installation - Quickly and easily adjustable - Suitable for Left and Right hand doors, in both door and frame mounted applications
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - Complementary accessories available for the whole product range
User	<ul style="list-style-type: none"> - Largely unaffected by temperature fluctuations thanks to thermodynamic valves - Backcheck feature offers optimum protection for doors and walls - Delayed action function allows easier access through the door for example with bulky goods

You can find the complete specifications on the Internet at:

Specifications for DC300DA

ASSA ABLOY Door Closer DC300DA featuring rack and pinion technology in compliance with EN 1154

- Closing power adjustable, size 3-6, for doors up to 1.400 mm wide
- Closing speed, latch speed and backcheck adjustable from front facing regulator valves
- Continuously adjustable delayed action
- Supplied with integrated concealed mounting plate
- 14 mm height adjustable arm system for ease of fitting
- Suitable for Left and Right hand doors

Accessories:

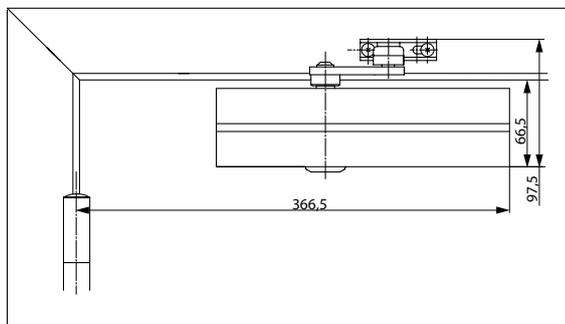
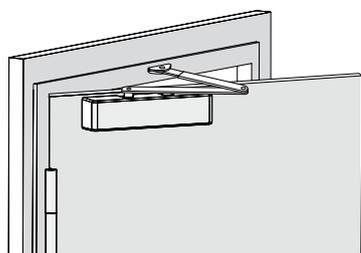
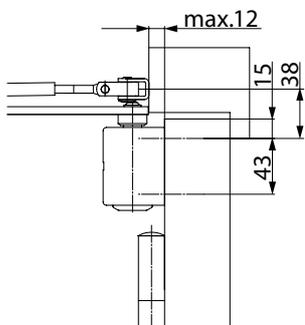
- Link arm L190
- Integrated mounting plate A120
- Angle bracket A123
- Bracket for holding parallel arm A154

Colour:

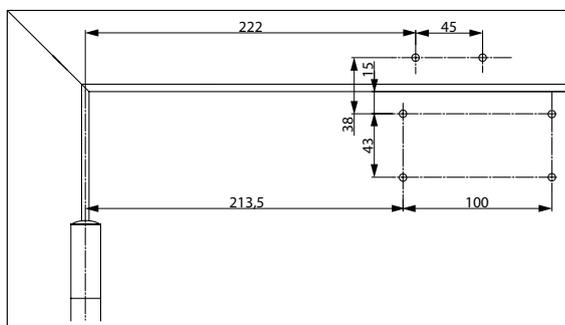
- Silver
- White, similar to RAL9016
- Brown, similar to RAL8014
- Black, similar to RAL9005
- Customized finish

DC300DA with delayed action

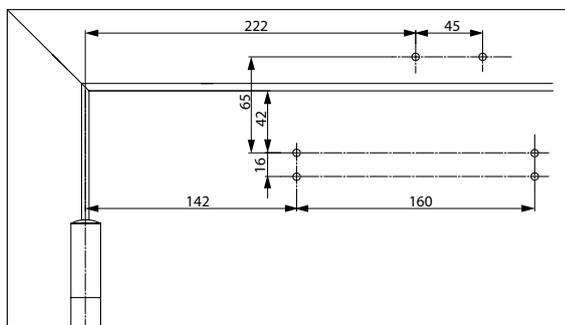
Dimensional drawings



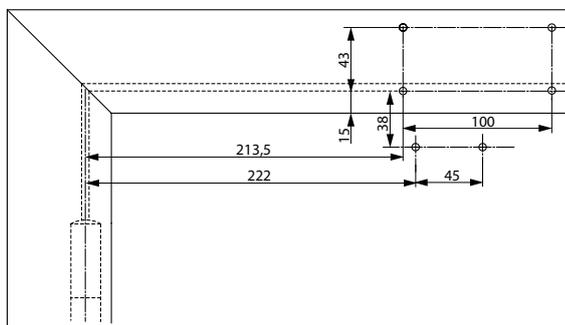
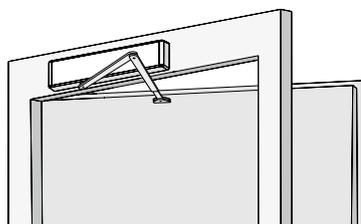
Regular door mounting
Left hand door shown in diagram
Right hand door is the reverse



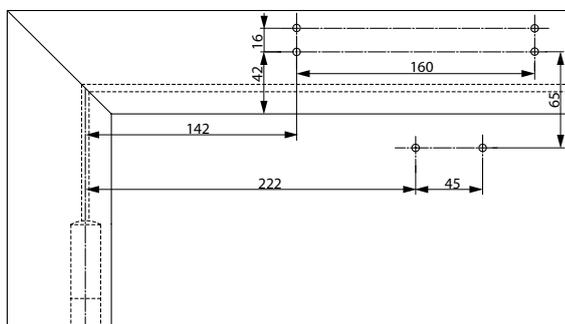
Installation dimensions for direct fitting
Left hand door shown in diagram
Right hand door is the reverse



Fitting dimensions with mounting plate
In compliance with EN 1154, Supplement 1, or for doors where direct fitting is not possible.
Left hand door shown in diagram
Right hand door is the reverse



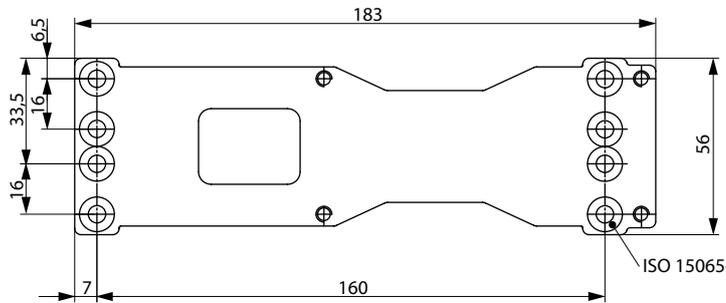
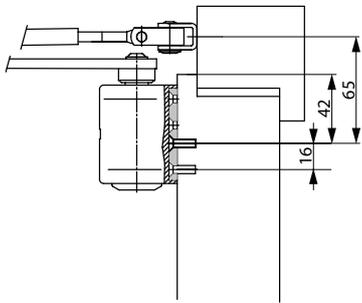
Frame mounting
Closer on non-hinge side of door frame.
Right hand door shown in diagram
Left hand door is the reverse



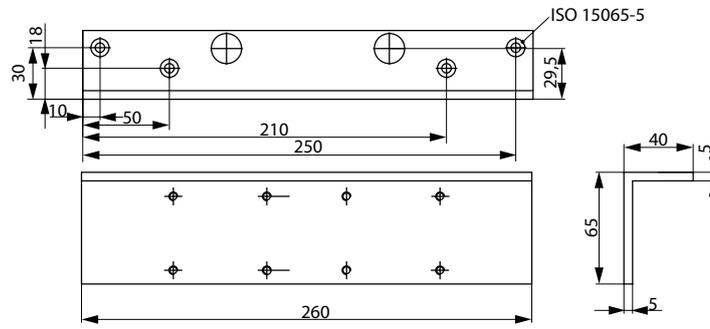
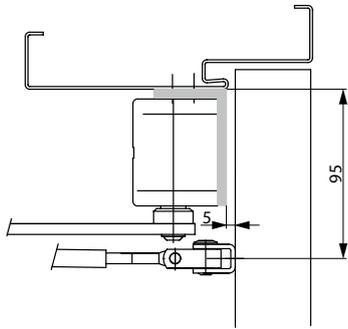
Fitting dimensions with mounting plate for frame mounting
Closer on non-hinge side of door frame. For doors where direct fitting is not possible.
Right hand door shown in diagram
Left hand door is the reverse

DC300DA with delayed action

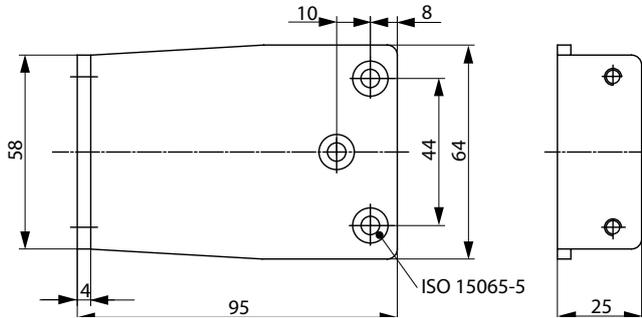
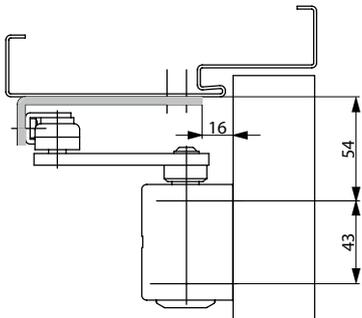
Accessories



Mounting plate A120
For mounting with drill template acc. to DIN EN 1154 Supplement 1 (fire and smoke protection doors) and for universal use



Angle bracket A123
For frame installation in case of deep jamb, headroom reduced by 70 mm.



Parallel arm bracket A154
For Parallel Arm installation.

Description	Order no.	Description	Order no.
DC300DA size 3-6, silver		Angle bracket A123, white, similar to RAL9016	
DC300DA size 3-6, white, similar to RAL9016		Angle bracket A123, brown, similar to RAL8014	
DC300DA size 3-6, brown, similar to RAL8014		Angle bracket A123, black, similar to RAL9005	
DC300DA size 3-6, black, similar to RAL9005		Angle bracket A123, customized finish	
DC300DA size 3-6, customized finish		Parallel arm bracket A154, silver	
Link arm L190, silver		Parallel arm bracket A154, white, similar to RAL9016	
Link arm L190, white, similar to RAL9016		Parallel arm bracket A154, brown, similar to RAL8014	
Link arm L190, brown, similar to RAL8014		Parallel arm bracket A154, black, similar to RAL9005	
Link arm L190, black, similar to RAL9005		Parallel arm bracket A154, customized finish	
Link arm L190, customized finish			
Mounting plate A120, galvanised			
Angle bracket A123, silver			

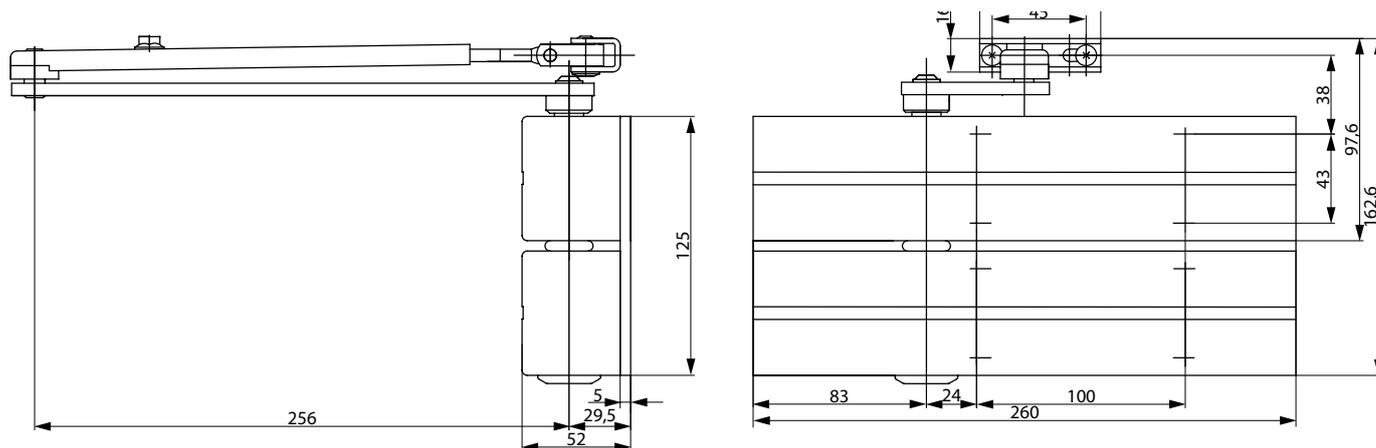
DC300 Tandem

ASSA ABLOY DC300 Tandem

- Rack and pinion door closer with link arm
- Two door closer are interlinked for extra wide and heavy doors
- Double closing torque in the DC300, size >7
- For single action doors up to 1800 mm wide

Characteristics DC300 Tandem

- Tandem mounting plate generally required
- Can only be used with a link arm
- Can be used for Left and Right hand doors
- Link arm height-adjustable up to 14 mm
- Adjustable door speed, latching speed and back-check from front facing regulator valves
- Thermodynamic valves for consistent performance
- Variable adjustable closing force
- Opening angle up to 180°
- Large range of applications
- Standard colour: Silver



DC300 Tandem

Technical attributes

Technical attributes	
Variable adjustable closing force	Size >7 (2 x DC300)
Door widths up to	1800 mm
Door swing direction	Left / Right hand door
Closing speed	Variable between 180°-0°
Latching speed	Variable between 15°-0°
Backcheck	Variable above 75°
Hold-open mode	e.g. for external holding magnet
Weight in kg	4,8 kg
Height	125 mm
Depth	52 mm
Length	260 mm

The advantages at a glance

Here you can see the individual advantages of our door closer models for your personal field of business.

Customer segment	Advantages
Architects & Specifiers	- Extensive range of uses, also for extra large and heavy doors
Builders & Installer	- One drilling template overall - Standard Door Closers DC300 can be used with Tandem mounting plates - Quick and easy installation - Quickly and easily adjustable - Suitable for Left and Right hand doors, in both door and frame mounted applications - Easily retrofitted without any reworking
Trade	- Reduced inventory costs due to modular product range
User	- Easily retrofitted with minimal rework

You can find the complete specifications on the Internet at:

Specifications for DC300 Tandem

- ASSA ABLOY Door Closer DC300 Tandem with drive rod
- Closing power continuously adjustable, size >7, for doors up to 1800 mm wide
 - Closing speed, latch speed and backcheck adjustable from front facing regulator valves
 - 14 mm height adjustable arm system for ease of fitting
 - Suitable for Left and Right hand doors

Consists of:

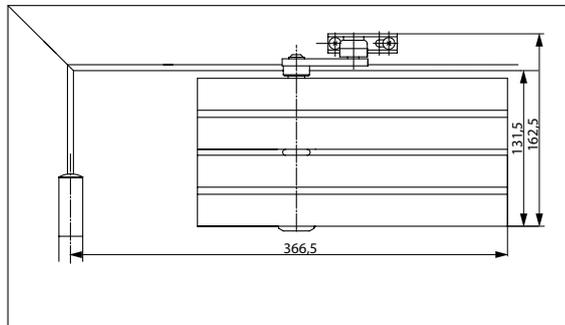
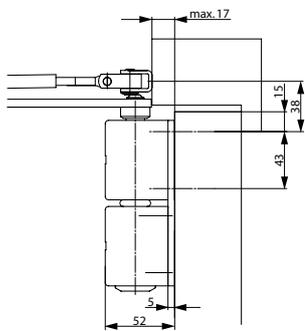
- 2 pieces DC300
- 1 piece mounting plate A121 (One piece of accessory pack contains mounting plate A121, extra long spindle and screw pack)
- 1 piece link arm L190

Colour:

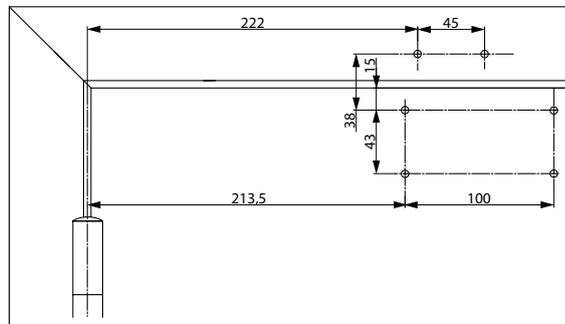
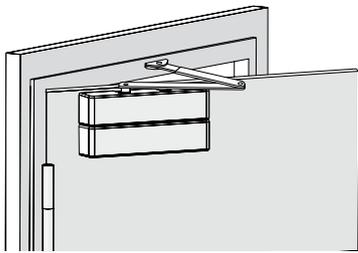
- Silver

DC300 Tandem

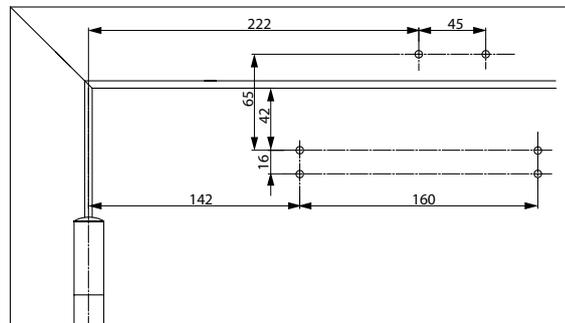
Dimensional drawings



Regular door mounting
Left hand door shown in diagram
Right hand door is the reverse

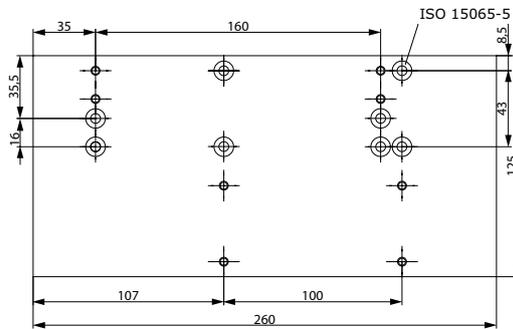
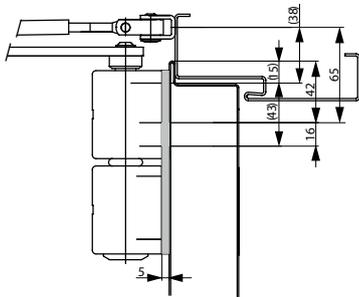


Installation dimensions for direct fitting
Left hand door shown in diagram
Right hand door is the reverse



Fitting dimensions with mounting plate
In compliance with EN 1154, Supplement 1, or for doors where direct fitting is not possible.
Left hand door shown in diagram
Right hand door is the reverse

DC300 Tandem Accessories



Mounting plate A121
For mounting with drill
template acc. to EN 1154
Supplement 1 and for
universal use

Tandem consists of (please order accordingly):

Description	Order no.
2 pieces DC300 size 3-6, silver	
1 piece Mounting plate A121, silver	
1 piece Link arm L190, silver	

Guide rail door closers

Modular and stylish

Guide rail door closers

The modular system enables cam-motion door closers to be combined with various guide rails for nearly any application.

Guide rail door closers match the door's appearance harmoniously and open a wide range of design possibilities to planners and architects. They also present vandals with very small surfaces to attack due to their close-fitting guide rails.

Low opening forces and guide rail door closers are not a contradiction.

The cam-motion technology reduces the counter pressure when opening the door and the door's handling is made considerably easier in comparison with conventional guide rail door closers.

Product-specific requirements as recommended in CEN guideline TR 15897 / DIN Spec 1104 (rapidly decreasing opening momentum) can already be realized with ASSA ABLOY guiderail door closers today.



ASSA ABLOY Cam motion door closers feature large variety and a high degree of convenience.



DC340



ASSA ABLOY DC340

- Rack and pinion door closer with height-adjustable guide rail G195 or standard guide rail G193
- Certified in compliance with EN 1154, size 1-4
- Suitable for fire and smoke protection doors
- For single action doors up to 1100 mm wide

Characteristics DC340

- Can be used with integrated concealed mounting plate, suitable for fire and smoke protection doors
- Can be used for Left and Right hand doors
- Guide rail height-adjustable up to 14 mm
- Adjustable door speed, latching speed and back-check from front facing regulator valves
- Thermodynamic valves for consistent performance
- Variable adjustable closing force
- Opening angle up to 180°
- Large range of applications
- Standard colours: Silver, white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request

Characteristics of Guide rail G195

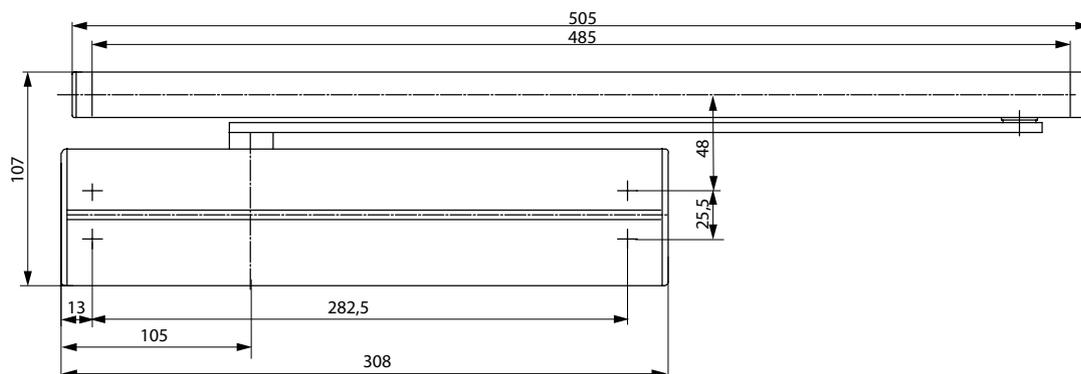
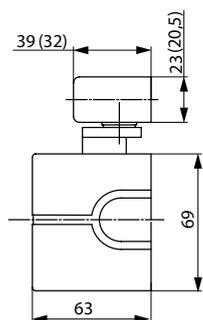
- Height-adjustable by 2 mm for tolerance
- Concealed fastening screws
- Installation dimensions: see diagram

Characteristics of Guide rail G193

- Without protective cover
- Visible fastening screws
- Installation dimensions: see diagram (dimensions in bracket)



CE	Abloy Oy	04
	PO Box 108 80101 Joensuu, Finland	
0432-CPD-0047	EN1154:1996+A1:2002	4 8 4 1 1 1 3



DC340

Technical attributes

Technical attributes	
Variable adjustable closing force	EN 1 – 4
Door widths up to	1100 mm
Fire and smoke protection	Yes
Door swing direction	Left / Right hand door
Closing speed	Variable between 180° – 0°
Latching speed	Variable between 15° – 0°
Backcheck	Variable above 75°
Weight	2.1 kg
Height	69 mm
Depth	63 mm
Length	308 mm
Certified in compliance with	EN 1154
CE marking for building products	Yes

The advantages at a glance

Here you can see the individual advantages of our door closer models for your personal field of business.

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Modern design - Compact design - Same dimensions and design with and without mounting plate - Comprehensive functions
Builders & Installers	<ul style="list-style-type: none"> - Adjustable to nearly all door and frame types - Quick and easy installation - Quickly and easily adjustable - Suitable for Left and Right hand doors, in both door and frame mounted applications
Trade	<ul style="list-style-type: none"> - One single product suitable for all fitting applications - Complimentary accessories available for the whole product range
User	<ul style="list-style-type: none"> - Largely unaffected by temperature fluctuations thanks to thermodynamic valves - Backcheck feature offers optimum protection for doors and walls

You can find the complete specifications on the Internet at:

Specifications for DC340

- ASSA ABLOY Door Closer DC340 featuring rack and pinion technology in compliance with EN 1154
- Closing power variable adjustable, EN size 1-4, for doors up to 1100 mm wide
- Closing speed, latching speed and backcheck adjustable from front facing regulator valves
- Can be used with integrated concealed mounting plate, suitable for fire and smoke protection doors
- With CE marking
- 14 mm height adjustable arm system for ease of fitting
- Suitable for Left and Right hand doors

Accessories:

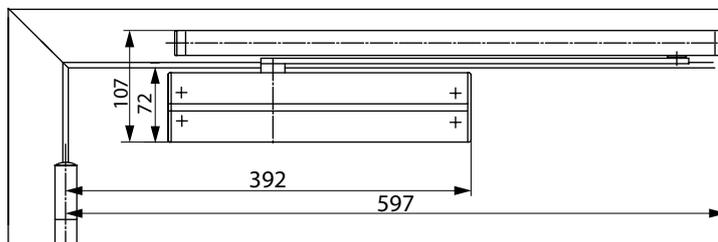
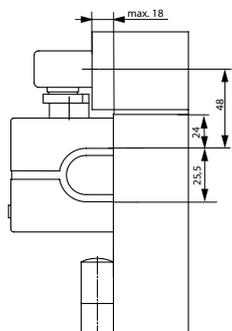
- Standard guide rail G193
- Height-adjustable guide rail G195
- Mounting plate A126
- Angle bracket A107
- Mounting plate A130 for guide rail G193 and G195
- Angle bracket A104 for guide rail G193
- Mechanical opening damper A153
- Mechanical hold open device A152 (not for fire and smoke protection doors)

Colour:

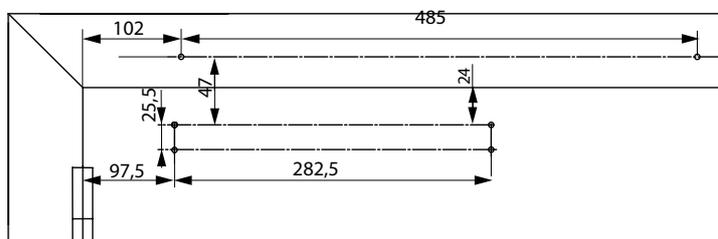
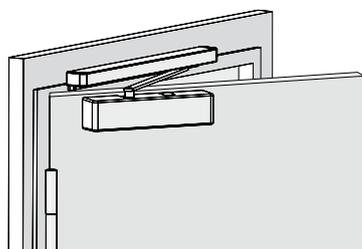
- Silver
- White, similar to RAL9016
- Brown, similar to RAL8014
- Black, similar to RAL9005
- Customized finish

DC340

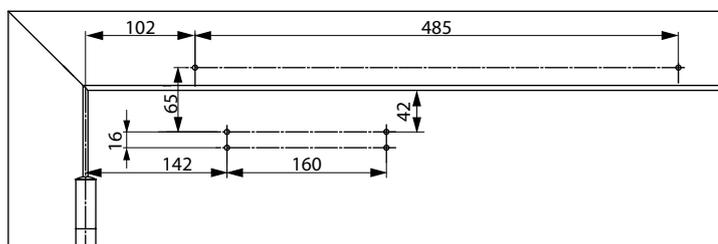
Dimensional drawings



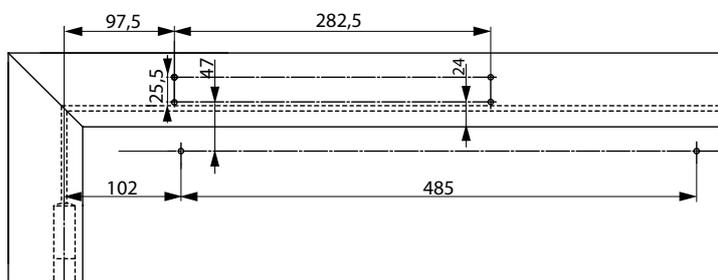
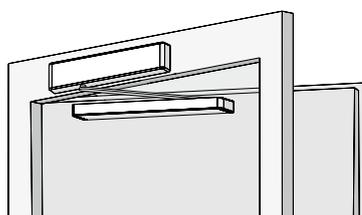
Regular door mounting
 Left hand door shown in diagram
 Right hand door is the reverse



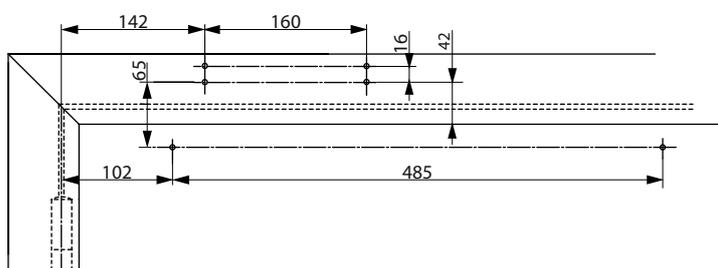
Installation dimension for direct fitting
 Left hand door shown in diagram
 Right hand door is the reverse



Fitting dimensions with mounting plate
 In compliance with EN 1154, Supplement 1, or for doors where direct fitting is not possible.
 Left hand door shown in diagram
 Right hand door is the reverse

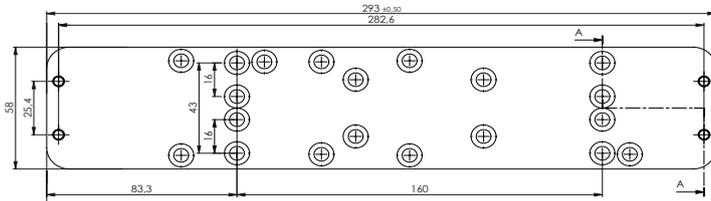
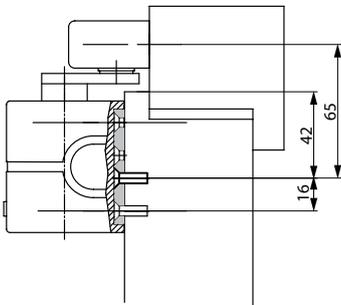


Frame mounting
 Closer on non-hinge side of door frame
 Right hand door shown in diagram
 Left hand door is the reverse

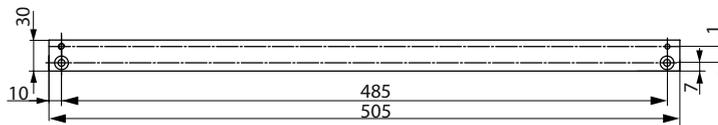
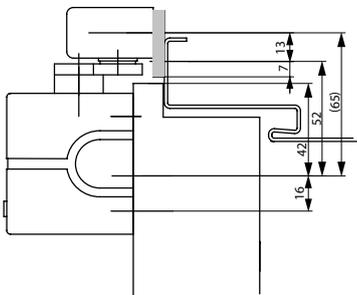


Fitting dimensions with mounting plate for frame mounting
 Closer on non-hinge side of door frame. For doors where direct fitting is not possible.
 Right hand door shown in diagram
 Left hand door is the reverse

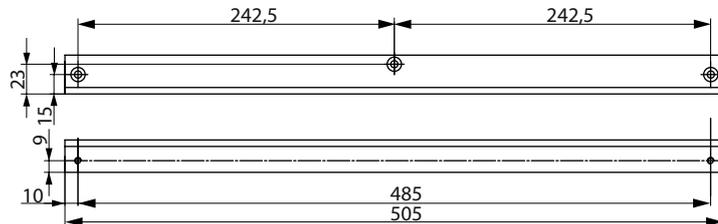
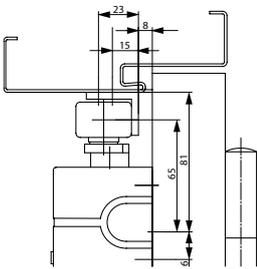
DC340 Accessories



Mounting plate A126
For mounting with drill template acc. to DIN EN 1154 Supplement 1 (fire and smoke protection doors) and for universal use



Mounting plate A130
For guide rail G193 and G195



Angle bracket A104
Only for standard guide rail G193

Hold open device A152

Simple fitting into guide rail G193 and G195.
Hold open angle max. 130°
Adjustable hold-open force.
Not approved for use on fire and smoke protection doors.



Opening damper A153

Helps to prevent the door and door handle from hitting a return wall. Simple fitting into guide rail G193 and G195. Opening damper continuously adjustable up to an opening angle of max. 130°. Does not replace door stop.



Description	Order no	Description	Order no
DC340 EN size 1 - 4, silver		Guide rail G193, black, similar to RAL9005	
DC340 EN size 1 - 4, white, similar to RAL9016		Guide rail G193, customized finish	
DC340 EN size 1 - 4, brown, similar to RAL8014		Guide rail G195, silver	
DC340 EN size 1 - 4, black, similar to RAL9005		Guide rail G195, white, similar to RAL9016	
DC340 EN size 1 - 4, customized finish		Guide rail G195, brown, similar to RAL8014	
Guide rail G193, silver		Guide rail G195, black, similar to RAL9005	
Guide rail G193, white, similar to RAL9016		Guide rail G195, customized finish	
Guide rail G193, brown, similar to RAL8014			

DC347



ASSA ABLOY DC347

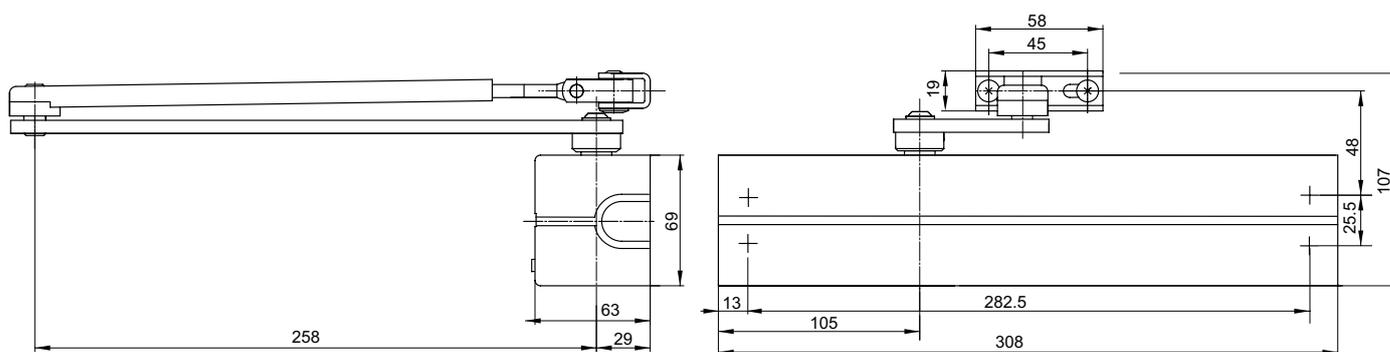
- Rack and pinion door closer with extra strong link arm L197
- Certified in compliance with EN 1154, size 5 - 7
- Suitable for fire and smoke protection doors
- For single action doors up to 1600 mm wide

Characteristics DC347

- For single action doors up to 1600 mm wide
- Can be used with integrated concealed mounting plate, suitable for fire and smoke protection doors
- Can be used for Left and Right hand doors
- Link arm height-adjustable up to 14 mm
- Adjustable door speed, latching speed and back-check from front facing regulator valves
- Thermodynamic valves for consistent performance
- Variable adjustable closing force
- Opening angle up to 180°
- For heavy door applications
- Standard colours: Silver, white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request



CE	Abloy Oy	04
	PO Box 108 80101 Joensuu, Finland	
1162-CPD-0131	EN1154:1996+A1:2002	4 8 7 1 1 3



DC347

Technical attributes

Technical attributes	
Variable adjustable closing force	EN 5 - 7
Door widths up to	1600 mm
Fire and smoke protection	Yes
Door swing direction	Left / Right hand door
Closing speed	Variable between 180° - 0°
Latching speed	Variable between 15° - 0°
Backcheck	Variable above 75°
Weight	2.2 kg
Height	69 mm
Depth	63 mm
Length	308 mm
Certified in compliance with	EN 1154
CE marking for building products	Yes

The advantages at a glance

Here you can see the individual advantages of our door closer models for your personal field of business.

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - For heavy doors, fire and smoke protection doors as well as standard doors - Modern design - Compact design - Same dimensions and design with and without mounting plate
Builders & Installers	<ul style="list-style-type: none"> - Quick and easy installation - Quickly and easily adjustable - Suitable for Left and Right hand doors, in both door and frame mounted applications
Trade	<ul style="list-style-type: none"> - One single product suitable for all fitting applications - Complimentary accessories available
User	<ul style="list-style-type: none"> - Largely unaffected by temperature fluctuations thanks to thermodynamic valves - Enough closing force for all type of heavy doors - Backcheck feature offers optimum protection for doors and walls

You can find the complete specifications on the Internet at:

Specifications for DC347

- ASSA ABLOY Door Closer DC347 featuring rack and pinion technology in compliance with EN 1154
- Closing power variable adjustable, EN size 5 - 7, for doors up to 1600 mm wide
 - Closing speed, latch speed and backcheck adjustable from front facing regulator valves
 - Can be used with integrated concealed mounting plate, suitable for fire and smoke protection doors
 - With CE marking
 - 14 mm height adjustable arm system for ease of fitting
 - Suitable for Left and Right hand doors

Accessories:

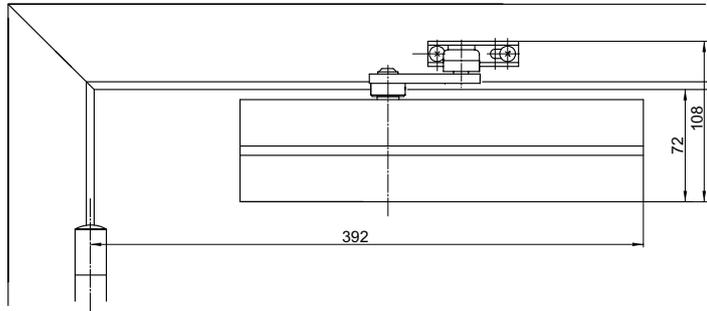
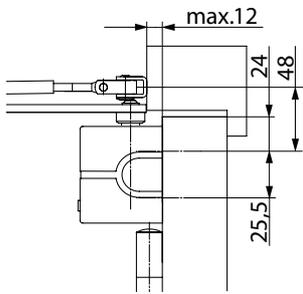
- Extra strong link arm L197
- Mounting plate A126
- Angle bracket A107

Colour:

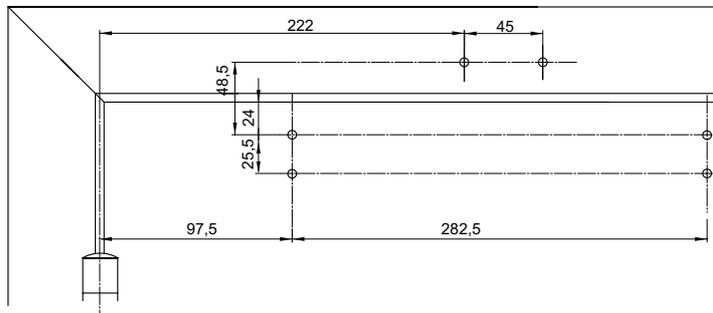
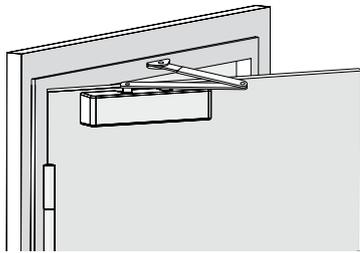
- Silver
- White, similar to RAL9016
- Brown, similar to RAL8014
- Black, similar to RAL9005
- Customized finish

DC347

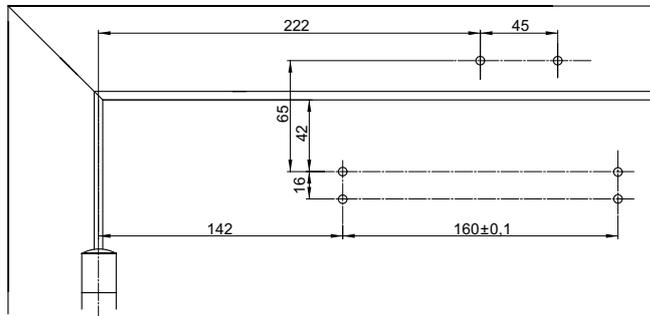
Dimensional drawings



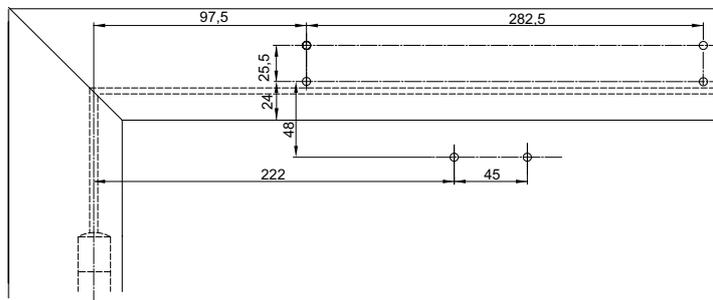
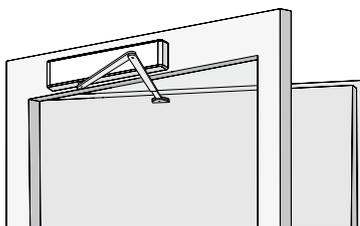
Regular door mounting
 Left hand door shown in diagram
 Right hand door is the reverse



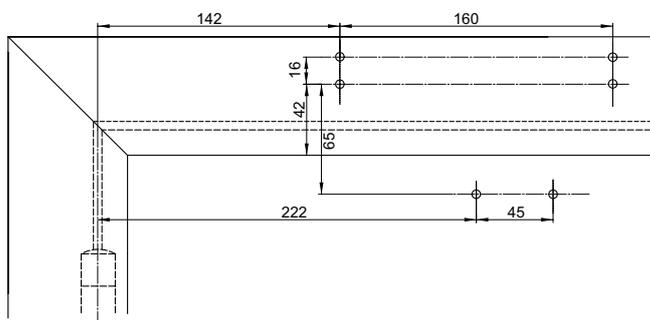
Installation dimension for direct fitting
 Left hand door shown in diagram
 Right hand door is the reverse



Fitting dimensions with mounting plate
 In compliance with EN 1154, Supplement 1, or for doors where direct fitting is not possible.
 Left hand door shown in diagram
 Right hand door is the reverse



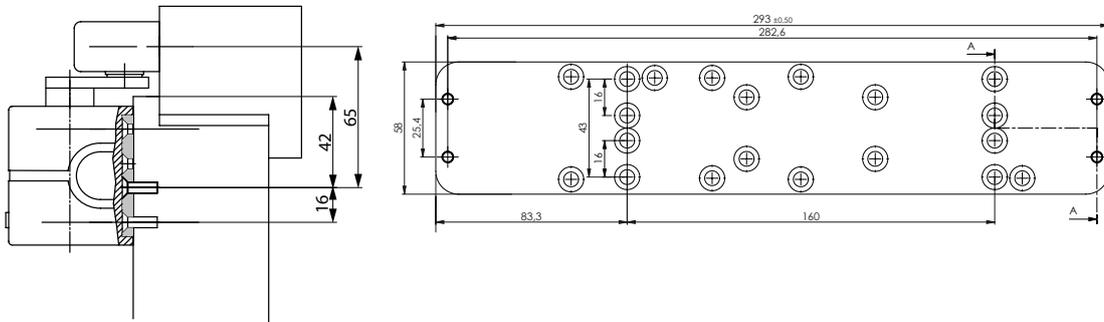
Frame mounting
 Closer on non-hinge side of door frame
 Right hand door shown in diagram
 Left hand door is the reverse



Fitting dimensions with mounting plate for frame mounting
 Closer on non-hinge side of door frame. For doors where direct fitting is not possible.
 Right hand door shown in diagram
 Left hand door is the reverse

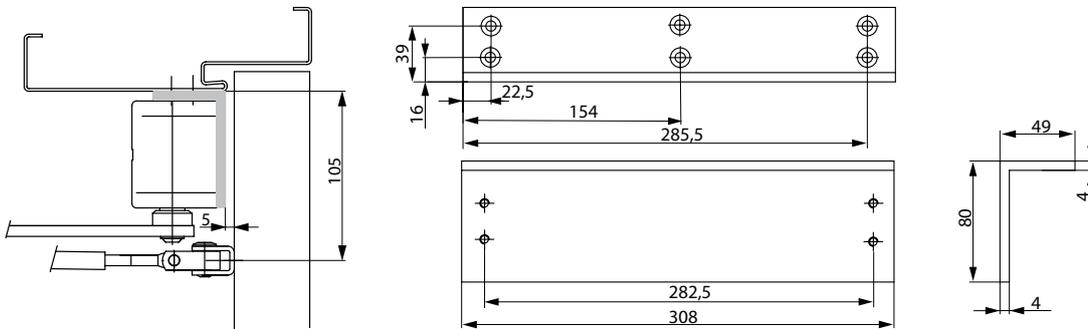
DC347

Accessories



Mounting plate A126

For mounting with drill template acc. to DIN EN 1154 Supplement 1 (fire and smoke protection doors) and for universal use



Angle bracket A107

For frame installation in case of deep jamb, headroom reduced by 70 mm. Check suitability for use on fire and smoke protection doors.

Description	Order no
DC347 EN size 5 - 7, silver	
DC347 EN size 5 - 7, white, similar to RAL9016	
DC347 EN size 5 - 7, brown, similar to RAL8014	
DC347 EN size 5 - 7, black, similar to RAL9005	
DC347 EN size 5 - 7, customized finish	
Extra strong link arm L197, silver	
Extra strong link arm L197, white, similar to RAL9016	
Extra strong link arm L197, brown, similar to RAL8014	
Extra strong link arm L197, black, similar to RAL9005	
Extra strong link arm L197, customized finish	
Mounting plate A126, galvanized	
Angle bracket A107, silver	
Angle bracket A107, customized finish	

DC500



ASSA ABLOY DC500

- Door closer with CAM Motion Technology and height-adjustable guide rail G195 or standard guide rail G193
- Fulfils barrier-free building requirements (DDA / CEN PR 15894)
- Certified in compliance with EN 1154, size 1-4
- Suitable for fire and smoke protection doors
- For single action doors up to 1100 mm wide
- Can be used in four installation types: hinge and non-hinge sides in standard and frame installation

Characteristics DC500

- Supplied with integrated concealed mounting plate, suitable for fire and smoke protection doors
- Can be used for Left and Right hand doors
- Guide rail height-adjustable to 14 mm
- Door speed and latching speed adjustable from facing regulation valves
- Thermodynamic valves for consistent performance
- Variable adjustable closing force
- Opening angle up to 170°
- Latching speed range adjustable
- Large range of applications
- Standard colours: Silver, white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request

Characteristics of Guide Rail G195

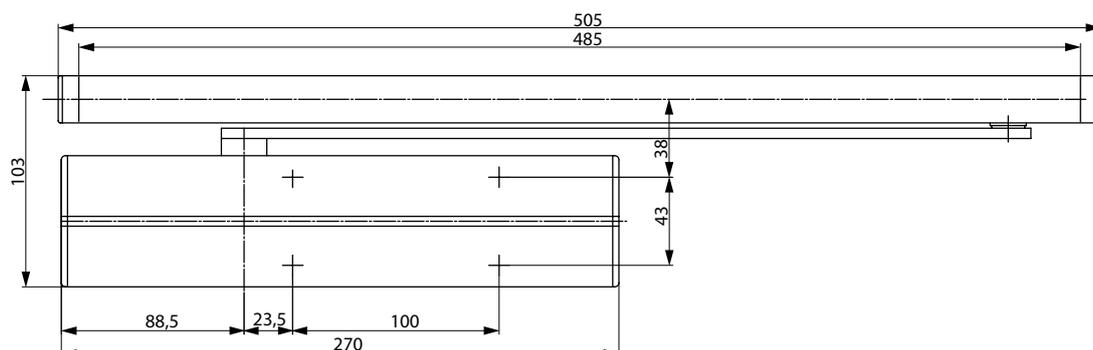
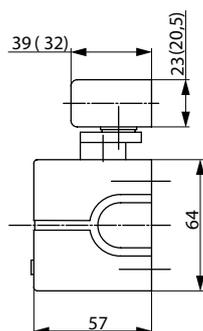
- Height adjustable by 2mm for easier fitting
- Concealed fastening screws
- Installation dimensions: see diagram

Characteristics of Standard Guide Rail G193

- Without protective cover
- Visible fastening screws
- Installation dimensions: see diagram (dimensions in bracket)



CE	Abloy OY	10
	PO Box 108 80101 Joensuu, Finland	
1162-CPD-0464	EN 1154:1996+A1:2003	3 8 $\frac{4}{1}$ 1 1 4



DC500

Technical attributes

Technical attributes	
Variable adjustable closing force	EN 1-4
Door widths up to	1100 mm
Fire and smoke protection	Yes
Door swing direction	Left / Right hand door
Standard and frame installation	Yes
Closing speed	Variable between 170°-0°
Latching speed	Variable between 15°-0°
Opening angle hinge side	Ca. 170°
Opening angle non-hinge side	Ca. 120°
Weight	2.7 kg
Height	64 mm
Depth	57 mm
Width	270 mm
Certified in compliance with	EN 1154
CE marking for building products	Yes

The advantages at a glance

Here you can see the individual advantages of our door closer models for your personal field of business.

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Modern design - Compact design - Fulfills barrier-free building requirements (DDA, CEN/PR 15894) - Same dimensions and design with and without mounting plate
Builders & Installers	<ul style="list-style-type: none"> - One drilling template overall - Adjustable to nearly all door and frame types - Quick and easy installation - Quickly and easily adjustable - Suitable for Left and Right hand doors for standard and frame fitting on hinge and non-hinge sides
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - Complementary accessories available for the whole product range
User	<ul style="list-style-type: none"> - Largely unaffected by temperature fluctuations thanks to thermodynamic valves - Easier door opening and improved accessibility due to CAM Motion Technology

You can find the complete specifications on the Internet at:

Specifications for DC500

ASSA ABLOY Door Closer DC500 with CAM Motion Technology and guide rail in compliance with EN 1154

- Closing power continuously adjustable, EN size 1-4, for doors up to 1100 mm wide
- Closing speed and latching speed continuously adjustable from front
- Supplied with integrated concealed mounting plate, suitable for fire and smoke protection doors
- CE approved
- 14 mm height adjustable arm system for ease of fitting
- Standard installation on hinge and non-hinge sides of the door
- Suitable for Left and Right hand doors

Accessories:

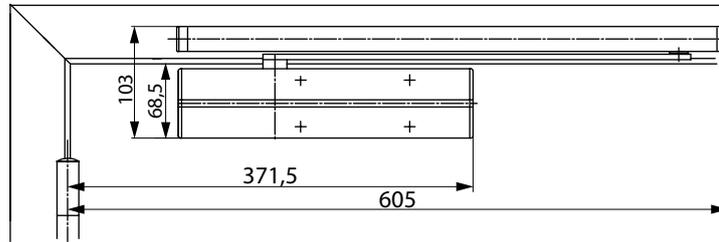
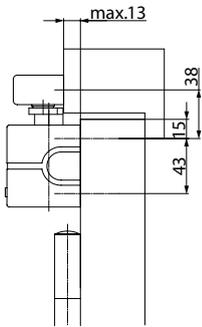
- Standard guide rail G193
- Height-adjustable guide rail G195
- Mounting plate A120
- Mounting plate A130 for Guide Rail G193 and G195
- Angle bracket A104 for Guide Rail G193
- Mechanical opening damper A153
- Mechanical hold open device A152 (not for fire and smoke protection doors)

Colour:

- Silver
- White, similar to RAL9016
- Brown, similar to RAL8014
- Black, similar to RAL9005
- Customized finish

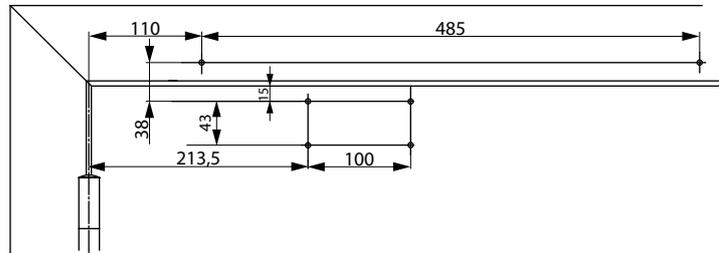
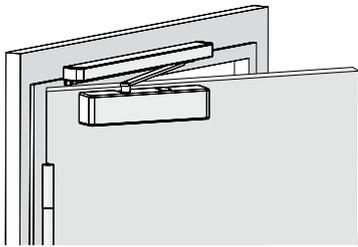
DC500

Dimensional drawings



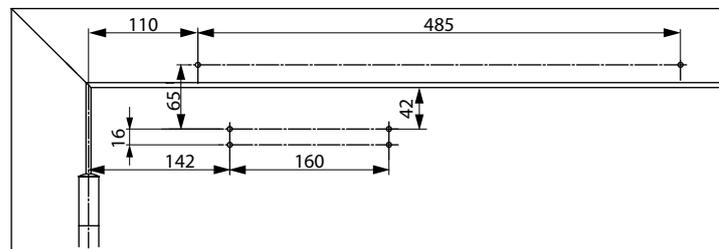
Space required on doors for standard installation on hinge side

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



Fitting dimensions for direct standard installation on hinge side

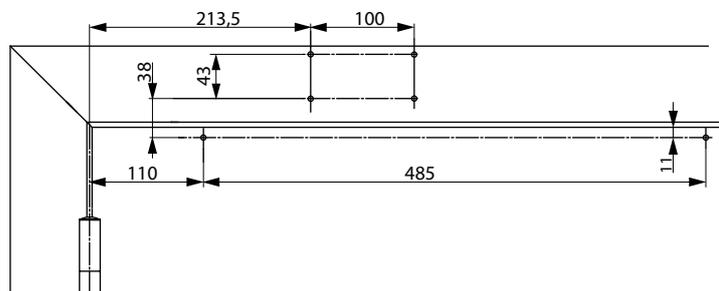
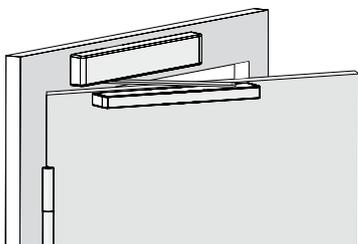
Left hand door shown in diagram
Right hand door is the reverse



Fitting dimensions with mounting plate for standard installation on hinge side

In compliance with EN 1154, Supplement 1, or for doors where direct fitting is not possible.

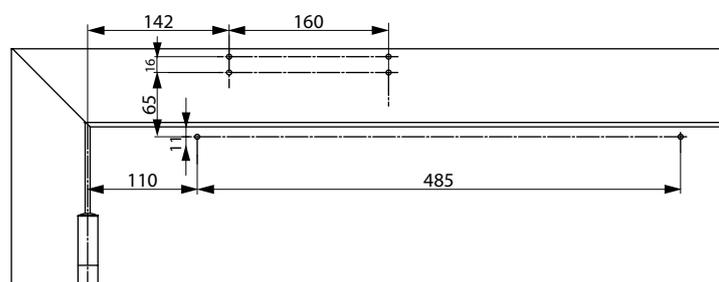
Left hand door shown in diagram
Right hand door is the reverse



Fitting dimensions for direct frame mounting on hinge side

Closer on hinge side of door frame.

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



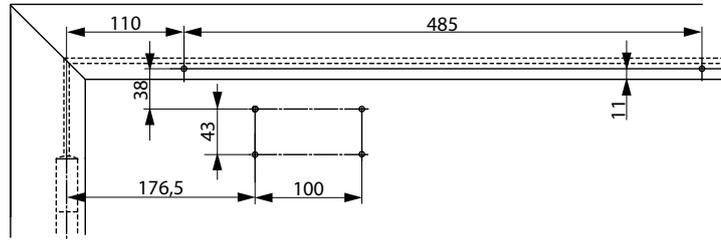
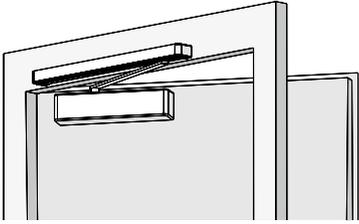
Fitting dimensions with mounting plate for frame mounting on hinge side

Closer on hinge side of door frame. For doors where direct fitting is not possible.

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

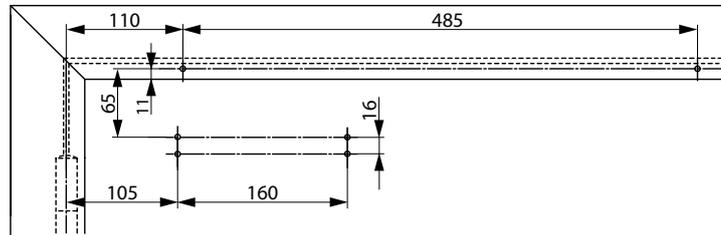
DC500

Dimensional drawings



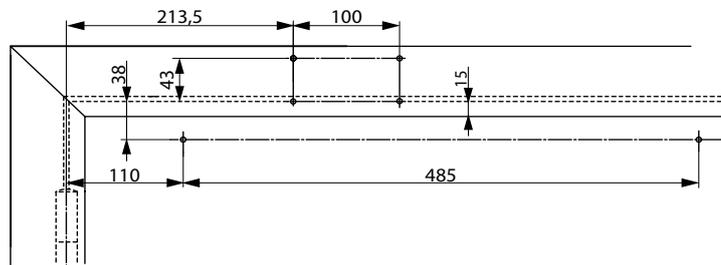
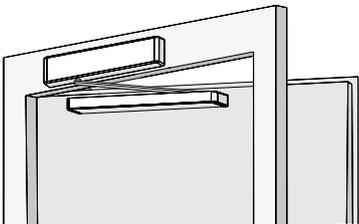
Fitting dimensions for direct standard installation non hinge side

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



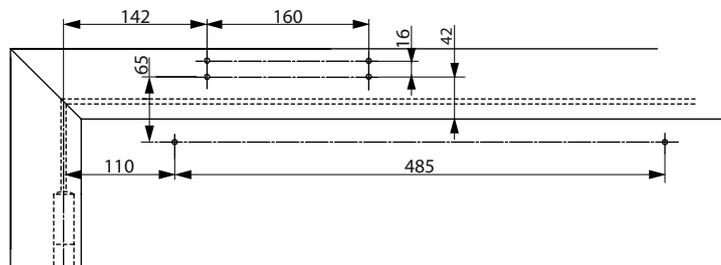
Fitting dimensions with mounting plate for standard installation non-hinge side

For doors where direct fitting is not possible.
Right hand door shown in diagram
Left hand door is the reverse



Fitting dimensions when mounted directly onto the frame hinge side

Closer on non-hinge side of door frame.
Right hand door shown in diagram
Left hand door is the reverse

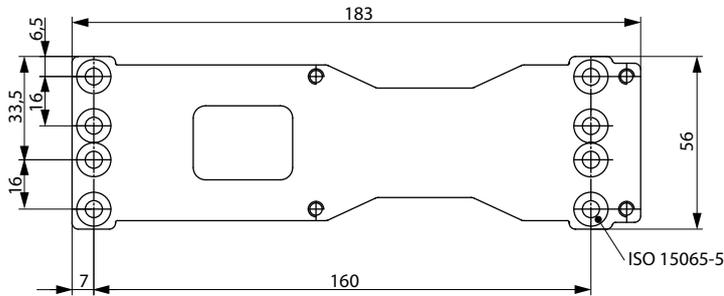
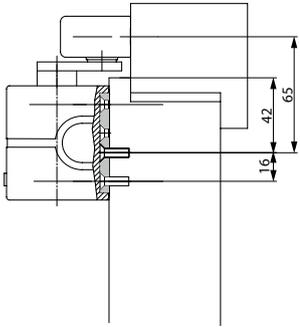


Fitting dimensions with mounting plate for frame mounting non-hinge side

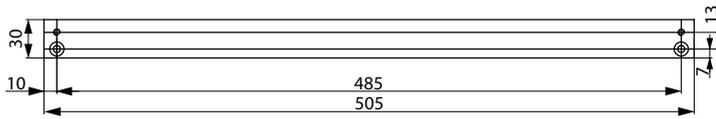
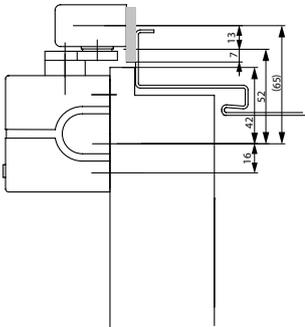
Closer on non-hinge side of door frame. For doors where direct fitting is not possible.
Right hand door shown in diagram
Left hand door is the reverse

DC500

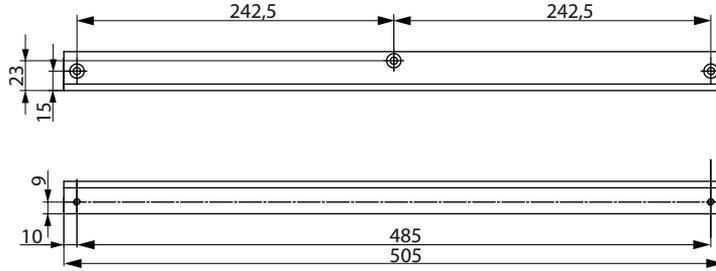
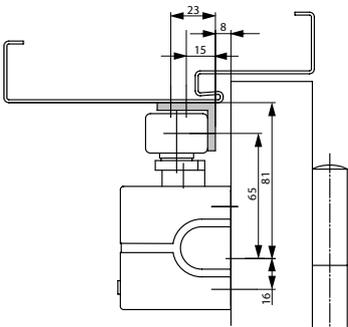
Accessories



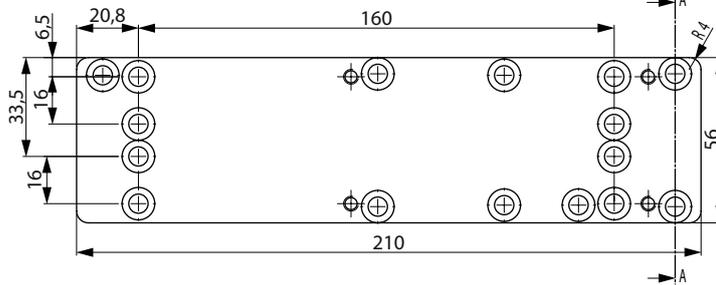
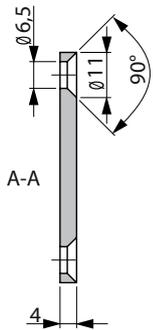
Mounting plate A120
For mounting with drill template acc. to EN 1154 Supplement 1 and for universal use



Mounting plate A130
For guide rail G193 and G195



Angle bracket A104
Only for standard guide rail G193



Replacement plate A124
Replacement plate A124

DC500

Accessories

Hold open device A152

Simple fitting into guide rail G193 and G195.
 Hold open angle max. 130°.
 Adjustable hold-open force.
 Not approved for use on fire and smoke protection doors.



Opening damper A153

Helps to prevent the door and door handle from hitting a return wall.
 Simple fitting into guide rail G193 and G195.
 Opening damper continuously adjustable up to an opening angle of max. 130°.
 Does not replace a door stop.



Description	Order no.	Description	Order no.
DC500 EN size 1-4, silver		Mounting plate A120, galvanised	
DC500 EN size 1-4, white, similar to RAL9016		Mounting plate A130, silver	
DC500 EN size 1-4, brown, similar to RAL8014		Mounting plate A130, white, similar to RAL9016	
DC500 EN size 1-4, black, similar to RAL9005		Mounting plate A130, brown, similar to RAL8014	
DC500 EN size 1-4, customized finish		Mounting plate A130, black, similar to RAL9005	
Guide rail G193, silver		Mounting plate A130, customized finish	
Guide rail G193, white, similar to RAL9016		Angle bracket A104, silver	
Guide rail G193, brown, similar to RAL8014		Angle bracket A104, RAL9016 white	
Guide rail G193, black, similar to RAL9005		Angle bracket A104, brown, similar to RAL8014	
Guide rail G193, customized finish		Angle bracket A104, black, similar to RAL9005	
Guide rail G195, silver		Angle bracket A104, customized finish	
Guide rail G195, white, similar to RAL9016		Hold open device A152	
Guide rail G195, brown, similar to RAL8014		Opening damper A153	
Guide rail G195, black, similar to RAL9005		Replacement plate A124, galvanised	
Guide rail G195, customized finish			

DC700



ASSA ABLOY DC700

- Door closer with CAM Motion Technology and height-adjustable guide rail G195 or standard guide rail G193
- Fulfils barrier-free building requirements (DDA / CEN PR 15894)
- Certified in compliance with EN 1154, size 3-6
- Suitable for fire and smoke protection doors
- For single action doors up to 1400 mm wide
- Can be used in four installation types: hinge and non-hinge sides in standard and frame installation

Characteristics DC700

- Supplied with integrated concealed mounting plate, suitable for fire and smoke protection doors
- Can be used for Left and Right hand doors
- Guide rail height-adjustable to 14 mm
- Adjustable door speed, latching speed and back-check from front facing regulator valves
- Thermodynamic valves for consistent performance
- Variable adjustable closing force
- Opening angle up to 170°
- Effective backcheck and latching speed range adjustable
- Large range of applications
- Standard colours: Silver, white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request



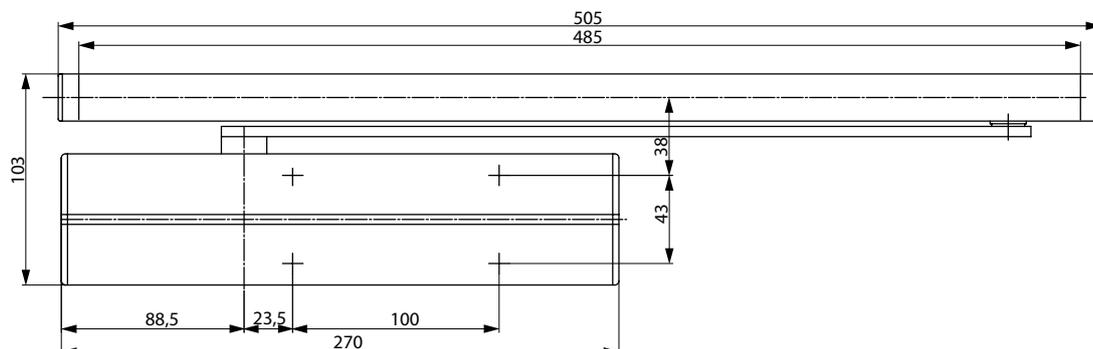
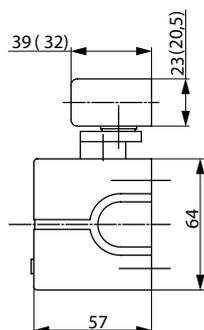
CE	Abloy OY	10
	PO Box 108 80101 Joensuu, Finland	
1162-CPD-0464	EN 1154:1996+A1:2003	3 8 6 1 1 4

Characteristics of Guide Rail G195

- Height adjustable by 2mm for easier fitting
- Concealed fastening screws
- Installation dimensions: see diagram

Characteristics of Standard Guide Rail G193

- Without protective cover
- Visible fastening screws
- Installation dimensions: see diagram (dimensions in brackets)



DC700

Technical attributes

Technical attributes	
Variable adjustable closing force	EN 3-6
Door widths up to	1400 mm
Fire and smoke protection	Yes
Door swing direction	Left / Right hand door
Standard and frame installation	Yes
Closing speed	Variable between 170°-0°
Latching speed	Variable between 15°-0°
Backcheck	Variable above 75°
Opening angle hinge side	Ca. 170°
Opening angle non-hinge side	Ca. 120°
Weight	2.7 kg
Height	64 mm
Depth	57 mm
Length	270 mm
Certified in compliance with	EN 1154
CE marking for building products	Yes

The advantages at a glance

Here you can see the individual advantages of our door closer models for your personal field of business.

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Modern design - Compact design - Fulfills barrier-free building requirements (DDA, CEN/TR 15894) - Same dimensions and design with and without mounting plate - Comprehensive functions, standard and optional
Builders & Installers	<ul style="list-style-type: none"> - One drilling template overall - Adjustable to nearly all door and frame types - Quick and easy installation - Quickly and easily adjustable - Suitable for Left and Right hand doors for standard and frame fitting on hinge and non-hinge sides
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - Complementary accessories available for the whole product range
User	<ul style="list-style-type: none"> - Largely unaffected by temperature fluctuations thanks to thermodynamic valves - Easier door opening and improved accessibility due to CAM Motion Technology - Backcheck feature offers optimum protection for doors and walls

You can find the complete specifications on the Internet at:

Specifications for DC700

ASSA ABLOY Door Closer DC700 with CAM Motion Technology and guide rail in compliance with EN 1154

- Closing power adjustable, EN size 3-6, for doors up to 1.400 mm wide
- Closing speed, latch speed and backcheck adjustable from front facing regulator valves
- Supplied with integrated concealed mounting plate, suitable for fire and smoke protection doors
- CE approved
- 14 mm height adjustable arm system for ease of fitting
- Standard installation on hinge and non-hinge sides of the door
- Suitable for Left and Right hand doors

Accessories:

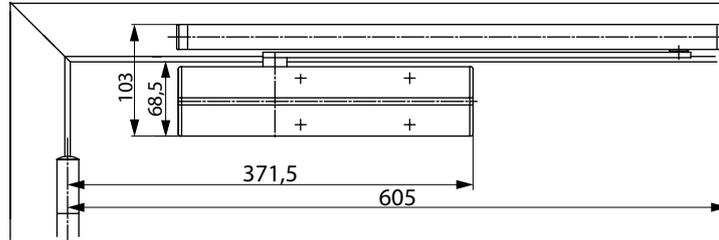
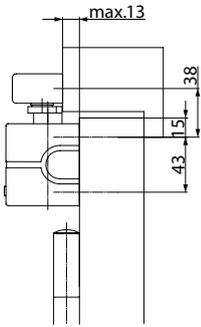
- Standard guide rail G193
- Height-adjustable guide rail G195
- Mounting plate A120
- Mounting plate A130 for Guide Rail G193 and G195
- Angle bracket A104 for Guide Rail G193
- Mechanical opening damper A153
- Mechanical hold open device A152 (not for fire and smoke protection doors)

Colour:

- Silver
- White, similar to RAL9016
- Brown, similar to RAL8014
- Black, similar to RAL9005
- Customized finish

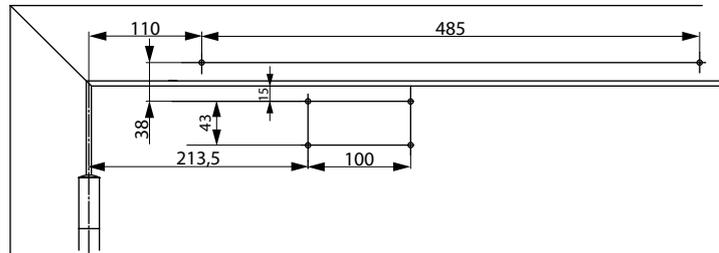
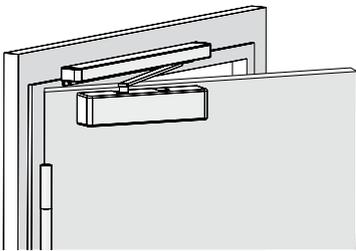
DC700

Dimensional drawings



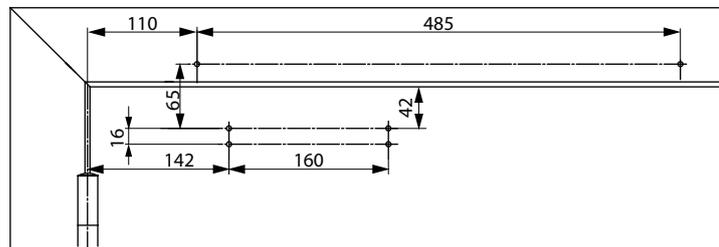
Space required on doors for standard installation on hinge side

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



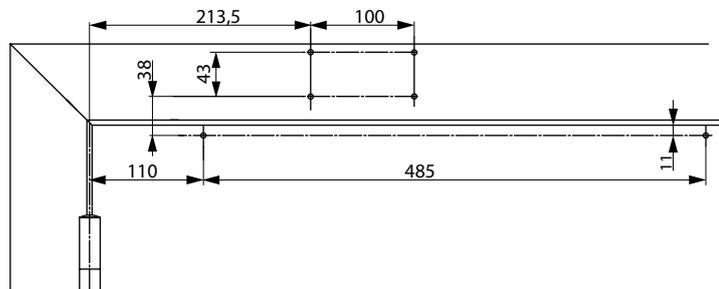
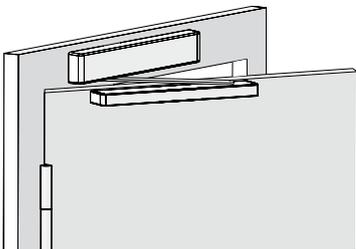
Fitting dimensions for direct standard installation on hinge side

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



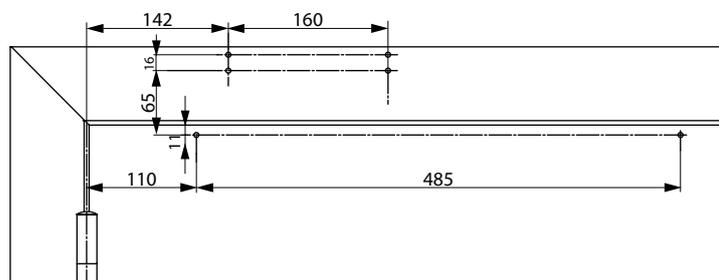
Fitting dimensions with mounting plate for standard installation on hinge side

In compliance with EN 1154, Supplement 1, or for doors where direct fitting is not possible.
Left hand door shown in diagram
Right hand door is the reverse



Fitting dimensions for direct frame mounting on hinge side

Closer on hinge side of door frame.
Left hand door shown in diagram
Right hand door is the reverse

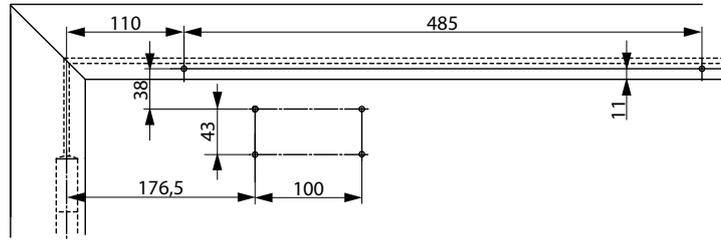
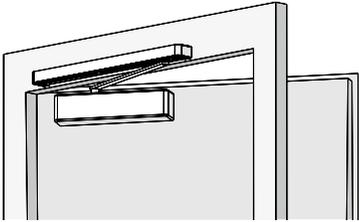


Fitting dimensions with mounting plate for frame mounting on hinge side

Closer on hinge side of door frame. For doors where direct fitting is not possible.
Left hand door shown in diagram
Right hand door is the reverse

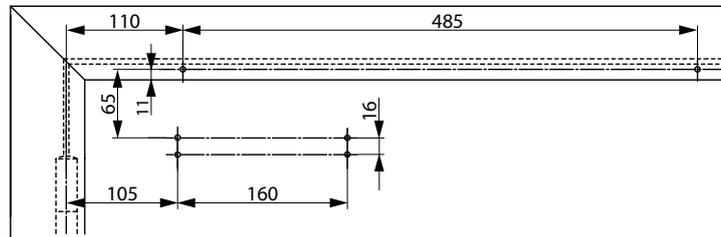
DC700

Dimensional drawings



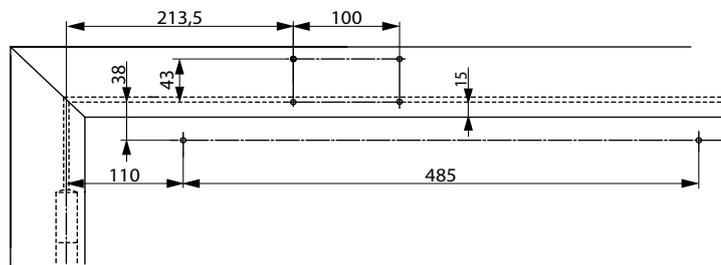
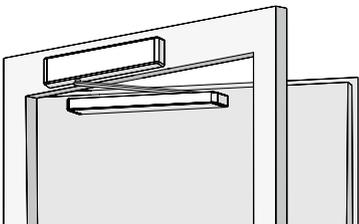
Fitting dimensions for direct standard installation non hinge side

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



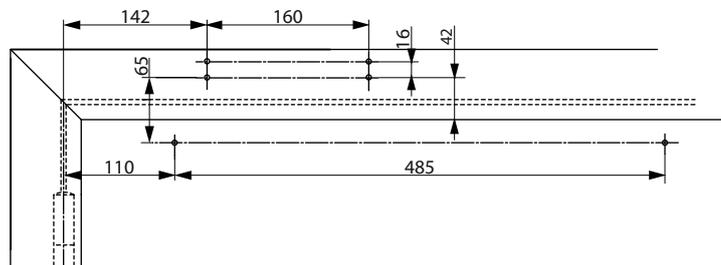
Fitting dimensions with mounting plate for standard installation non-hinge side

For doors where direct fitting is not possible.
Right hand door shown in diagram
Left hand door is the reverse



Fitting dimensions when mounted directly onto the frame hinge side

Closer on non-hinge side of door frame.
Right hand door shown in diagram
Left hand door is the reverse

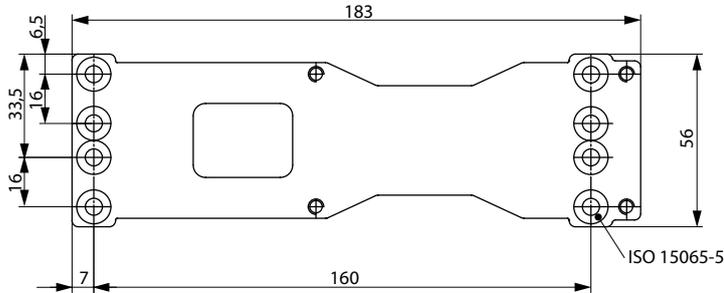
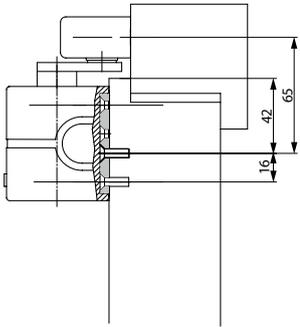


Fitting dimensions with mounting plate for frame mounting non-hinge side

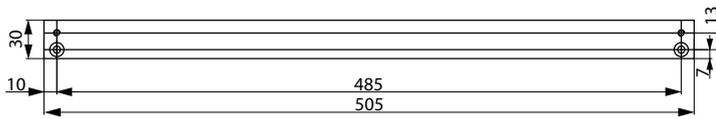
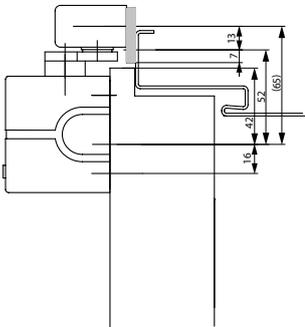
Closer on non-hinge side of door frame. For doors where direct fitting is not possible.
Right hand door shown in diagram
Left hand door is the reverse

DC700

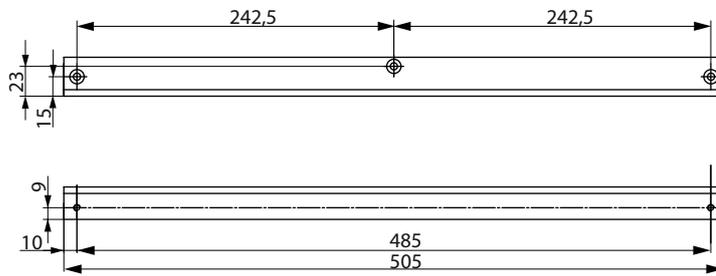
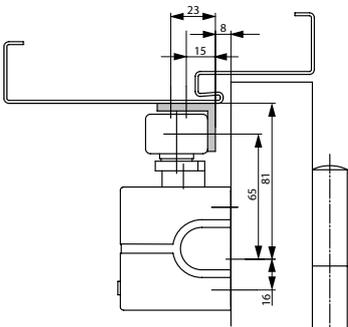
Accessories



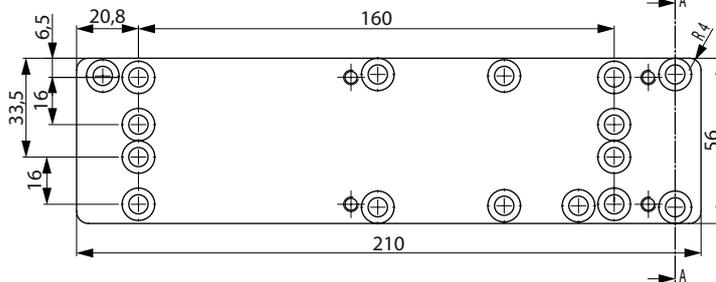
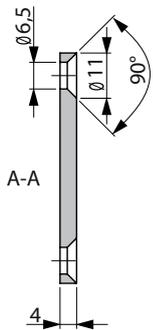
Mounting plate A120
For mounting with drill template acc. to EN 1154 Supplement 1 and for universal use



Mounting plate A130
For guide rail G193 and G195



Angle bracket A104
Only for standard guide rail G193



Replacement plate A124
Replacement plate A124

DC700

Accessories

Hold open device A152

Simple fitting into guide rail G193 and G195.
 Hold open angle max. 130°.
 Adjustable hold-open force.
 Not approved for use on fire and smoke protection doors.



Opening damper A153

Helps to prevent the door and door handle from hitting a return wall.
 Simple fitting into guide rail G193 and G195.
 Opening damper continuously adjustable up to an opening angle of max. 130°.
 Does not replace a door stop.



Description	Order no.	Description	Order no.
DC700 EN size 3-6, silver		Mounting plate A120, galvanised	
DC700 EN size 3-6, white, similar to RAL9016		Mounting plate A130, silver	
DC700 EN size 3-6, brown, similar to RAL8014		Mounting plate A130, white, similar to RAL9016	
DC700 EN size 3-6, black, similar to RAL9005		Mounting plate A130, brown, similar to RAL8014	
DC700 EN size 3-6, customized finish		Mounting plate A130, black, similar to RAL9005	
Guide rail G193, silver		Mounting plate A130, customized finish	
Guide rail G193, white, similar to RAL9016		Angle bracket A104, silver	
Guide rail G193, brown, similar to RAL8014		Angle bracket A104, RAL9016 white	
Guide rail G193, black, similar to RAL9005		Angle bracket A104, brown, similar to RAL8014	
Guide rail G193, customized finish		Angle bracket A104, black, similar to RAL9005	
Guide rail G195, silver		Angle bracket A104, customized finish	
Guide rail G195, white, similar to RAL9016		Hold open device A152	
Guide rail G195, brown, similar to RAL8014		Opening damper A153	
Guide rail G195, black, similar to RAL9005		Replacement plate A124, galvanised	
Guide rail G195, customized finish			

DC700G-E



ASSA ABLOY DC700G-E

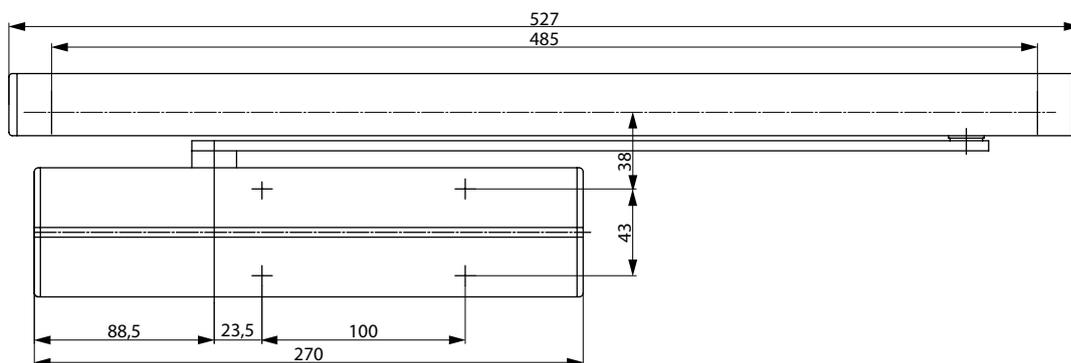
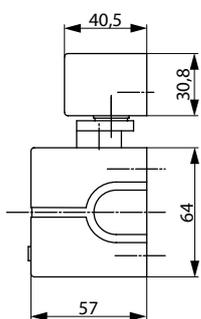
- Door closer with CAM Motion technology with electro-magnetic hold-open device for single-leaf doors
- Certified in compliance with EN 1154/1155, size 3-6
- Technical approval for different smoke detection systems
- Hold-open angle continuously adjustable between ca. 80° and 130°
- Hold-open point is traversable
- For fire and smoke protection doors up to 1400 mm
- Fulfils barrier-free building requirements (DDA / CEN PR 15894)

Characteristics DC700G-E

- Electro-mechanical hold-open device
- Continuously adjustable holding force
- Traversable hold-open point, continuously adjustable between ca. 80°-130°
- Can be used for Left and Right hand doors
- Standard installation types on the hinge and non-hinge sides
- Same drilling template as standard guide rails
- Guide rail height-adjustable 14 mm
- Adjustable door speed, latching speed and back-check from front facing regulator valves
- Thermodynamic valves for consistent performance
- Variable adjustable closing force
- Optional mounting plate, suitable for fire and smoke protection doors
- Large range of applications
- Standard colours: silver, white, similar to RAL9016
- Customized finishes available on request

CE	Abloy OY PO Box 108 80101 Joensuu, Finland	10					
	1162-CPD-0464	EN 1154:1996+A1:2003	3	8	$\frac{6}{3}$	1	1

CE	ASSA ABLOY Sicherheitstechnik GmbH Bildstockstraße 20 72458 Albstadt	10						
	0432-CPD-150	EN 1155:1997+A1:2002	3	8	$\frac{6}{3}$	1	1	3
Dangerous substances: None								



DC700G-E

Technical attributes

Guide Rail G-E

Technical attributes	
Voltage supply	24 V DC
Class of protection	IP 43
Weight	1,1 kg
Height	30 mm
Depth	40,5 mm
Length	527 mm
Certified in compliance with	EN 1155
CE marking for building products	Yes

Facts for door closer see DC700

Here you can see the individual advantages of our door closer models for your personal field of business.

The advantages at a glance

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Modern design - Compact design
Builders & Installers	<ul style="list-style-type: none"> - One drilling template overall - Adjustable to nearly all door and frame types - Quick and easy installation - Quickly and easily adjustable - Suitable for Left and Right hand doors for standard installation on hinge and non-hinge sides
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - A single model for both hinge and non-hinge sides
User	<ul style="list-style-type: none"> - Adjustable operating force, to meet door construction requirements and user need

You can find the complete specifications on the Internet at:

Specifications for DC700 GE

ASSA ABLOY Door Closer DC700GE with CAM Motion Technology, guide rail with electro-mechanical hold-open device, 24 V DC

- Closing power adjustable, EN size 3-6, for doors up to 1.400 mm wide
- Closing speed, latch speed and backcheck adjustable from front facing regulator valves
- Can be used with mounting plate for fire and smoke protection doors
- CE approved
- 14 mm height adjustable arm system for ease of fitting
- Standard installation on hinge and non-hinge sides of the door
- Suitable for Left and Right hand doors
- Hold-open device continuously adjustable between ca. 80° and 130°
- Hold-open point is traversable
- Technical approvals available for different smoke detector systems

Accessories:

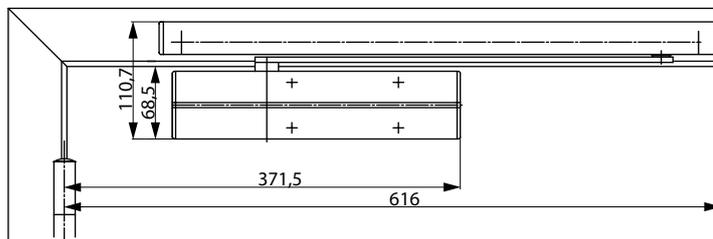
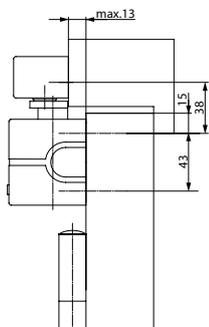
- Guide Rail G-E
- Mounting plate
- Mounting plate for Guide Rail G-E
- Smoke protection detector
- Flush-mounted or surface-mounted release button

Colour:

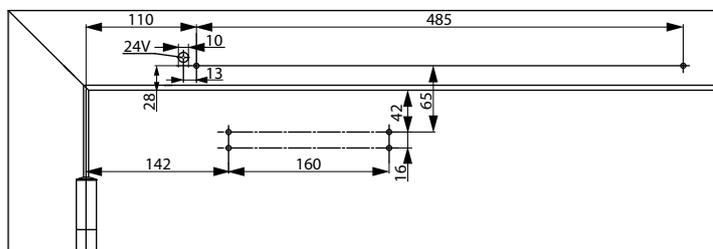
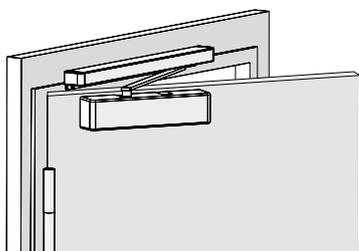
- Silver
- White, similar to RAL9016
- Customized finish

DC700G-E

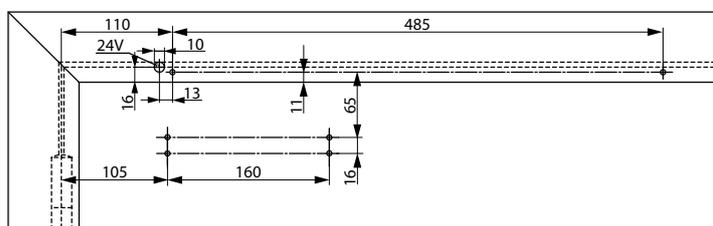
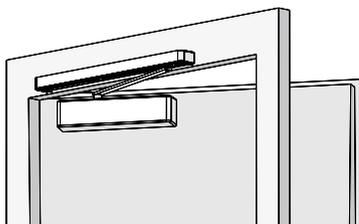
Dimensional drawings



Regular door mounting
 Left hand door shown in diagram
 Right hand door is the reverse



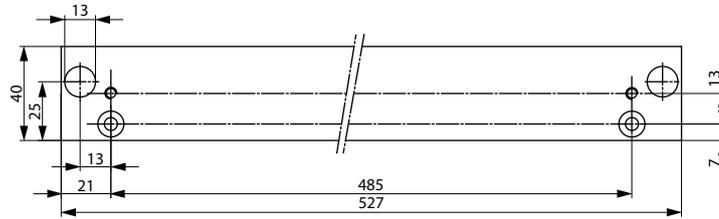
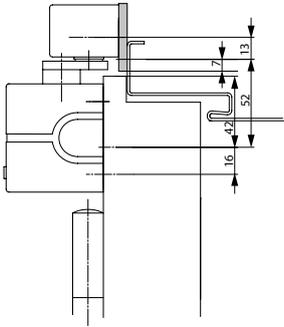
Fitting dimensions for direct frame mounting on hinge side
 In compliance with EN 1154, Supplement 1, or for doors where direct fitting is not possible.
 Left hand door shown in diagram
 Right hand door is the reverse



Fitting dimensions with mounting plate for standard installation non hinge side
 For doors where direct fitting is not possible.
 Left hand door shown in diagram
 Right hand door is the reverse

DC700G-E

Accessories



Mounting plate A131
For guide rail G-E

Description	Order no.
Guide rail with electro-mechanical hold-open mode, silver	
Guide rail with electro-mechanical hold-open mode, white, similar to RAL9016	
Guide rail with electro-mechanical hold-open mode, customized finish	

Description	Order no.
Mounting plate A131, silver	
Mounting plate A131, white, similar to RAL9016	
Mounting plate A131, customized finish	

DC700G-S



ASSA ABLOY DC700G-S

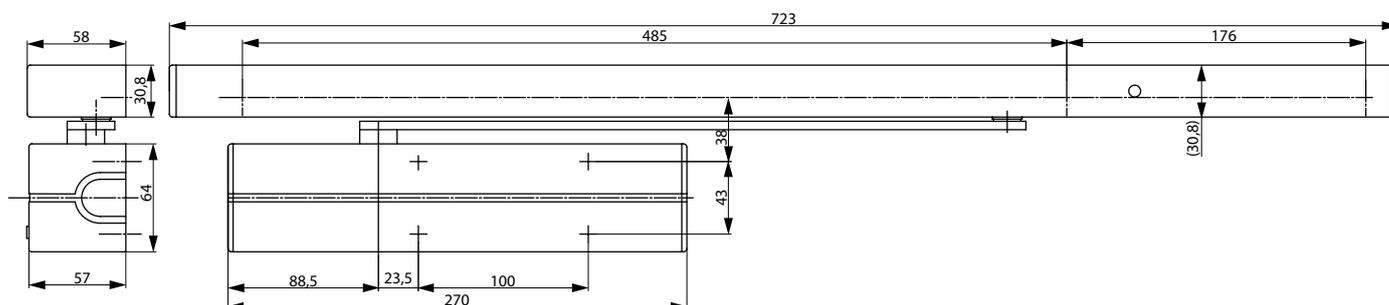
- Door closer with CAM Motion technology with electro-magnetic hold-open device and smoke detector for single-leaf doors
- Certified in compliance with EN 1155 size 3-6
- Smoke detector contamination indicator and alarm threshold monitoring
- Integrated 230 V AC power supply
- All components fully integrated into guide rail
- Fulfills barrier-free building requirements (DDA / CEN PR 15894)
- For single action doors up to 1400 mm wide

Characteristics DC700G-S

- Optical smoke detector
- Status displayed on LED: operational mode, alarm, maintenance
- Integrated potential-free alarm relay
- Can be activated by a fire alarm system
- Connectivity for release button and additional smoke detectors
- Electro-mechanical hold-open device
- Continuously adjustable holding force
- Traversable hold-open point, continuously adjustable between ca. 80°-130°
- Can be used for Left and Right hand doors
- Standard installation types on the hinge and non-hinge sides
- Same drilling template as standard guide rails
- Guide rail height-adjustable 14 mm
- Adjustable door speed, latching speed and back-check from front facing regulator valves
- Variable adjustable closing force
- Thermodynamic valves for consistent performance
- With mounting plate, suitable for fire and smoke protection doors
- Standard colours: silver, white, similar to RAL9016
- Customized finishes available on request

CE	Abloy OY PO Box 108 80101 Joensuu, Finland	10			
	1162-CPD-0464	EN 1154:1996+A1:2003	3	8	$\frac{6}{3}$ 1 1 4

CE	ASSA ABLOY Sicherheitstechnik GmbH Bildstockstraße 20 72458 Albstadt	10			
	0432-CPD-150	EN 1155:1997+A1:2002	3	8	$\frac{6}{3}$ 1 1 3
Dangerous substances: None					



DC700G-S

Technical attributes

Guide Rail G-S

Technical attributes	
Voltage supply	230 V supply voltage
Continuous duty	100%
Class of protection	IP 20
Weight	Not provided
Height	30 mm
Depth	58 mm
Length	723 mm
Certified in compliance with	EN 14637 and guidelines for hold-open systems
CE marking for building products	Yes, for arrestor systems EN1155

Facts for door closer see DC700

The advantages at a glance

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Modern design - Compact design
Builders & Installers	<ul style="list-style-type: none"> - One drilling template overall - Adjustable to nearly all door and frame types - Pre-assembled component modules for quick installation - Quickly and easily adjustable - Suitable for Left and Right hand doors for standard and frame fitting on hinge and non-hinge sides - Integrated function test button
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - A single model for both hinge and non-hinge sides
User	<ul style="list-style-type: none"> - Automatic alarm re-set - Adjustable operating force, to meet door construction requirements and user need

Here you can see the individual advantages of our door closer models for your personal field of business.

You can find the complete specifications on the Internet at:

Specifications for DC700G-S

- ASSA ABLOY Door Closer DC700 with CAM Motion Technology, guide rail with electro-magnetic hold-open device and integrated smoke detector. Requires 230 V power supply in compliance with EN 1154/1155
- Closing power adjustable, EN size 3-6, for doors up to 1.400 mm wide
 - Closing speed, latch speed and backcheck adjustable from front facing regulator valves
 - With CE and conformity marking
 - Can be used with mounting plate for fire and smoke protection doors
 - 14 mm height adjustable arm system for ease of fitting
 - Standard installation on the hinge and non-hinge sides
 - Suitable for Left and Right hand doors
 - Hold-open device continuously adjustable between ca. 80° and 130°
 - Hold-open is traversable
 - Integrated smoke detector with contamination indicator and alarm threshold monitoring
 - Two ceiling smoke detectors can be connected

Accessories:

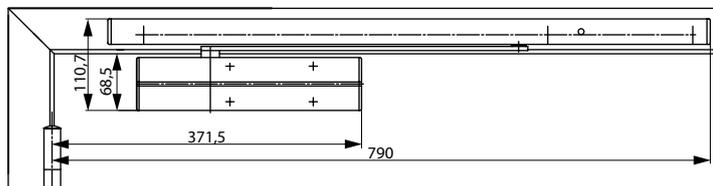
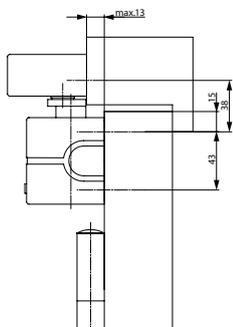
- Guide Rail G-S
- Mounting plate A120
- Mounting plate A132 for guide rail G-S
- Ceiling smoke detector
- Flush-mounted or surface-mounted release button

Colour:

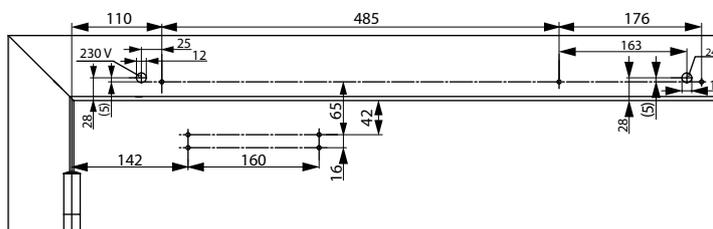
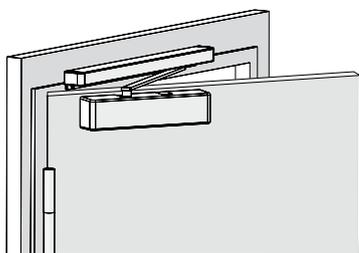
- Silver
- White, similar to RAL9016
- Customized finish

DC700G-S

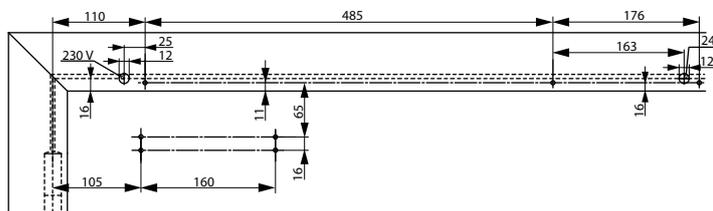
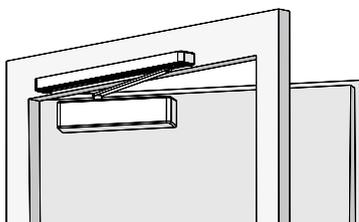
Dimensional drawings



Regular door mounting
 Left hand door shown in diagram
 Right hand door is the reverse



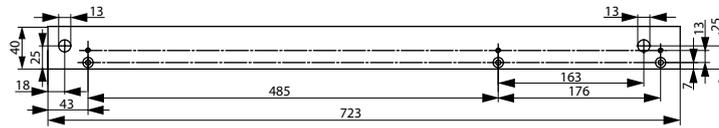
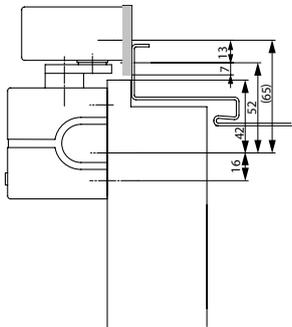
Fitting dimensions for direct frame mounting on hinge side
 In compliance with EN 1154, Supplement 1, or for doors where direct fitting is not possible.
 Right hand door shown in diagram
 Left hand door is the reverse



Fitting dimensions with mounting plate for standard installation non hinge side
 For mounting with drill template acc. to EN 1154 Supplement 1 and for universal use

DC700G-S

Accessories



Mounting plate A132
For guide rail G-S

Description	Order no.
Guide rail with smoke detector, silver	
Guide rail with smoke detector, white, similar to RAL9016	
Guide rail with smoke detector, customized finish	

Description	Order no.
Mounting plate A132, silver	
Mounting plate A132, white, similar to RAL9016	
Mounting plate A132, customized finish	

DC700 with G460



ASSA ABLOY G460

- Door closer with CAM Motion technology and guide rail with electro-mechanical hold open device for single doors
- Certified in compliance with EN1155, size 3-6
- Hold open angle continuously adjustable between 70°-130°
- For fire and smoke protection doors up to 1400 mm

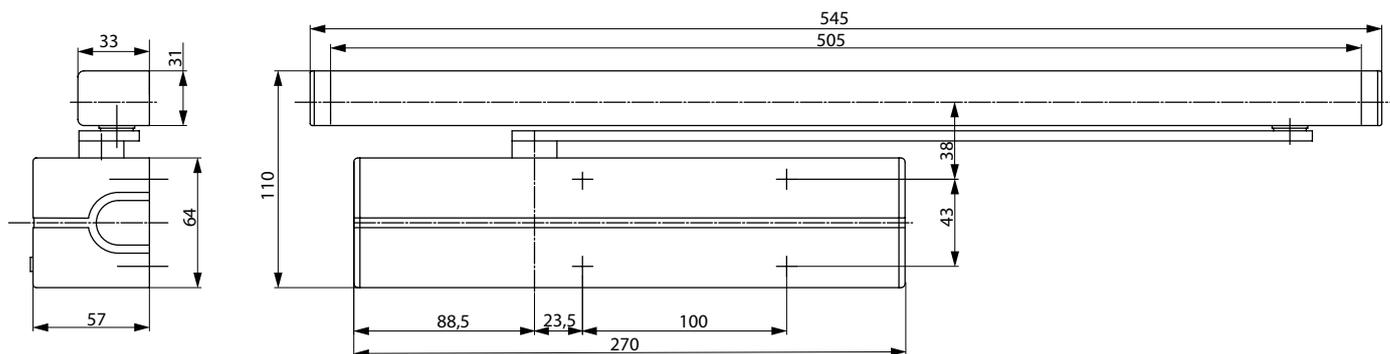
Characteristics G460

- Electro-mechanical hold open device
- Continuously adjustable hold open force
- Hold open angle adjustable between 70°-130°
- Door opening angle up to 130°
- Can be used for Left and Right hand doors
- Standard installation types on the hinge side and non-hinge side
- Guide rail height adjustable of 14 mm
- Large range of applications
- Standard colours: silver, white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request



CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	10			
	0432-BPR-0050	EN1155:1997+A1:2002	3	8	$\frac{6}{3}$ 1 1 3

CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	10			
	1162-CPD-0464	EN1154:1996+A1:2002	3	8	$\frac{6}{3}$ 1 1 4



DC700 with G460

Technical attributes

Technical attributes	
Voltage supply	24 V DC
Max. consumption	60 mA
Door widths up to	1400 mm
Hold open angle	70°-130°
Weight	1,2 kg
Height	31 mm
Depth	33 mm
Length	545 mm
Certified in compliance with	EN 1155
CE mark for building products	Yes
Facts for door closer see DC700	

Here you can see the individual advantages of our door closer models for your personal field of business.

The advantages at a glance

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors - Modern design - Compact design
Builders & Installers	<ul style="list-style-type: none"> - Adjustable to nearly any door and frame types - Quick and easy installation - Quickly and easily adjustable - Suitable for Left and Right hand doors for standard installation in hinge and non-hinge side
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - A single model for all hinge and non-hinge sides
User	<ul style="list-style-type: none"> - Adjustable operating force, to meet door construction requirements and user need

You can find the complete specification on the Internet at:

Specification for G460

ASSA ABLOY guide rail with electro-mechanical hold open device used with DC700 CAM Motion door closer

- Power supply 24 V DC
- Hold open force continuously adjustable, EN size 3 – 6
- Hold open angle adjustable between 70°-130°
- Can be used for Left and Right hand doors
- Standard installation types on the hinge side and non-hinge side
- Guide rail height adjustable of 14 mm
- Large range of applications
- With technical approval for different smoke detection systems

Accessories:

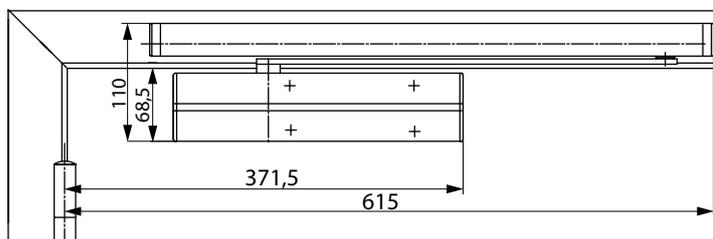
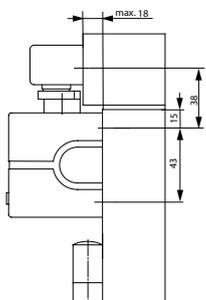
- Mounting plate A115
- Angle bracket A116
- Power supply
- Smoke protection detector
- Flush mounted or surface mounted release button

Colour:

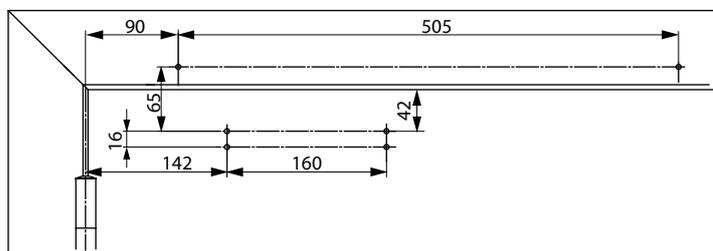
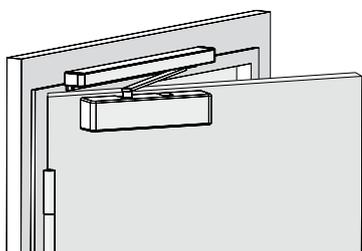
- Silver
- White, similar to RAL9016
- Brown, similar to RAL8015
- Black, similar to RAL9005
- Customized finish

DC700 with G460

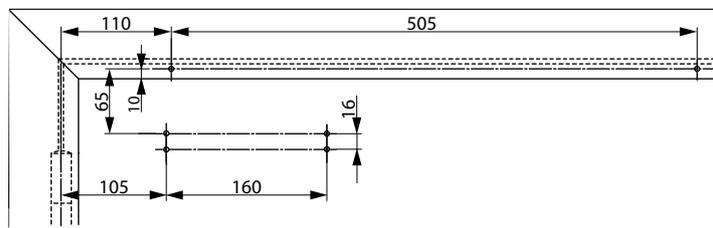
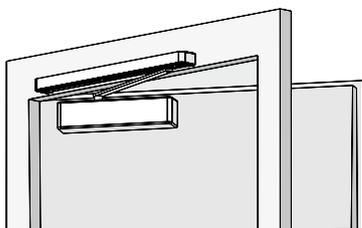
Dimensional drawings



Regular door mounting
 Left hand door shown in diagram
 Right hand door is the reverse

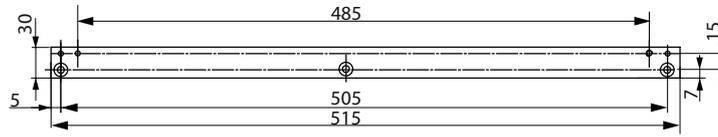
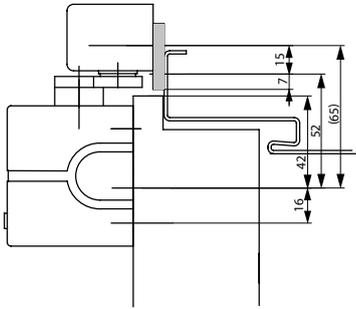


Fitting dimensions with mounting plate for standard installation on hinge side
 In compliance with EN 1154, Supplement 1, or for doors where direct fitting is not possible.
 Left hand door shown in diagram
 Right hand door is the reserve

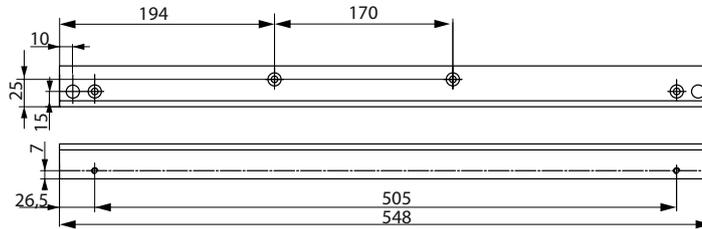
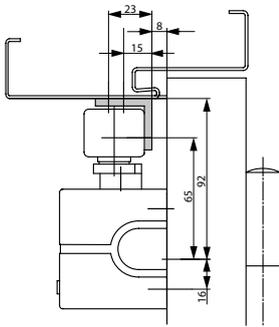


Fitting dimensions with mounting plate for standard installation on non-hinge side
 For doors where direct fitting is not possible.
 Right hand door shown in diagram
 Left hand door is the reserve

DC700 with G460 Accessories



Mounting plate A115
For guide rail G460



Angle bracket A116
For guide rail G460 non-hinge side installations

Description	Order no.
Guide rail G460 with electro-mechanical hold open device, silver	
Guide rail G460 with electro-mechanical hold open device, white, similar to RAL9016	
Guide rail G460 with electro-mechanical hold open device, brown, similar to RAL8014	
Guide rail G460 with electro-mechanical hold open device, black, similar to RAL 9005	
Guide rail G460 with electro-mechanical hold open device, customized finish	

Description	Order no.
Mounting plate A115, silver	
Mounting plate A115, customized finish	
Angle bracket A116, silver	
Angle bracket A116, customized finish	

DC640



ASSA ABLOY DC640

- Rack and pinion door closer with free swing function
- Certified in compliance with EN 1155
- Suitable for fire and smoke protection doors
- Door widths up to 1400 mm with link arm free swing L690 and up to 1100 mm with guide rail free swing G694

Characteristics DC640

- Electro-hydraulic door closer
- Supplied with integrated concealed mounting plate, suitable for fire and smoke protection doors
- Can be used for Left and Right hand doors
- Arm height-adjustable up to 14 mm
- Adjustable door speed, latching speed and back-check from front facing regulator valves
- Thermodynamic valves for consistent performance
- Variable adjustable closing force
- Opening angle up to 180°
- Large range of applications
- Standard colours: silver, white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request

Performance characteristics guide rail free swing G694

- Free swing angle adjustable up to 180°
- Closing force EN 3 - 4
- Door width up to 1100 mm

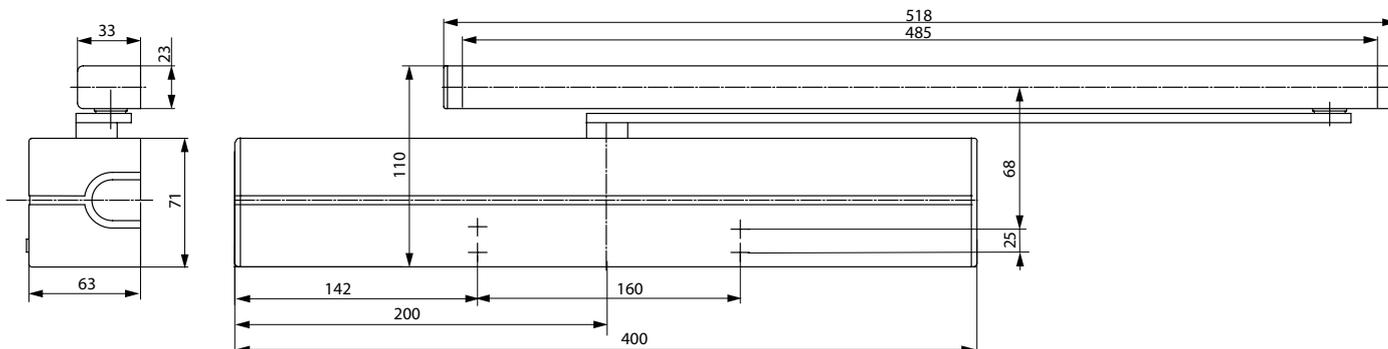
Performance characteristics link arm free swing L690

- Free swing angle adjustable up to 180°
- Closing force EN 3 - 6
- Door width up to 1400 mm



CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	07
	0432-CPD-0124	EN1155:1997+A1:2002 3 8 $\frac{4}{3}$ 1 1 3

CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	07
	0432-CPD-0124	EN1155:1997+A1:2002 3 8 $\frac{6}{3}$ 1 1 3



DC640

Technical attributes

Technical attributes	
Continuously adjustable closing force with guide rail free swing / link arm free swing	EN 3 - 4 / EN 3 - 6
Door widths up to	1100 mm / 1400 mm
Fire and smoke protection	Yes
Door swing direction	Left / Right
Closing speed	Variable 180° - 0°
Latching speed	Variable 15° - 0°
Backcheck	Variable above 75°
Weight	4.0 kg
Height	71 mm
Depth	63 mm
Length	400 mm
Certified in compliance with	EN 1155
CE marking for building products	Yes

Here you can see the individual advantages of our door closer models for your personal field of business.

The advantages at a glance

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Free swing function - CE certified with link arm and guide rail - Modern design - Standard functions built-in - Fulfils barrier-free building requirements
Builders & Installers	<ul style="list-style-type: none"> - Adjustable to nearly all door and frame types - Quick and easy installation - Quickly and easily adjustable - Suitable for Left and Right hand doors, in both door and frame mounted applications
Trade	<ul style="list-style-type: none"> - One single product suitable for all fitting applications - Complimentary accessories available for the whole product range
User	<ul style="list-style-type: none"> - After first opening door could be opened without any opening resistance - Largely unaffected by temperature fluctuations thanks to thermodynamic valves - Backcheck feature offers optimum protection for doors and walls

You can find the complete specifications on the Internet at:

Specifications for DC640

- ASSA ABLOY Door Closer DC640 featuring free swing technology in compliance with EN 1155
- With link arm free swing L690 closing power variable adjustable, EN size 3-6, for doors up to 1400 mm wide
- With guide rail free swing G694 closing power variable adjustable, EN size 3-4, for doors up to 1100 mm wide
- Closing speed, latching speed and backcheck adjustable from front facing regulator valves
- Supplied with integrated concealed mounting plate, suitable for fire and smoke protection doors
- With CE marking
- 14 mm height adjustable arm system for ease of fitting
- Suitable for Left and Right hand doors

Accessories:

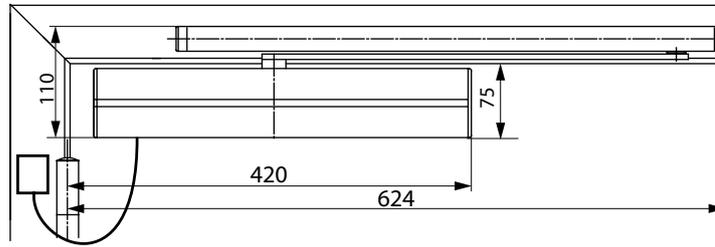
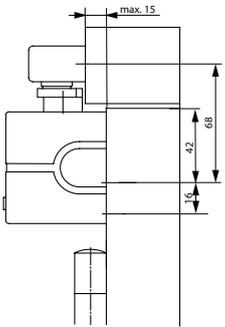
- Link arm free swing L690
- Guide rail freeswing G694
- Connection box A140 for door leaf installations
- Mounting plate A130 for guide rail G694
- Angle bracket A104 for guide rail G694

Colour:

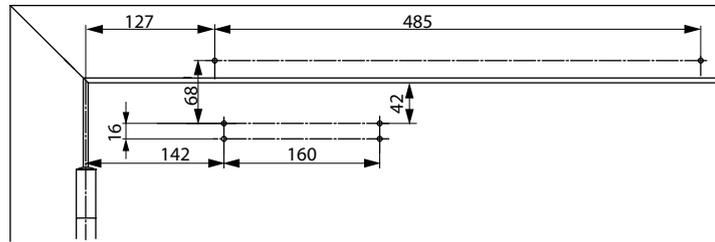
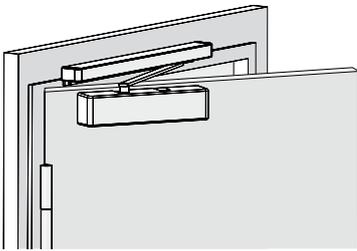
- Silver
- White, similar to RAL9016
- Brown, similar to RAL8014
- Black, similar to RAL9005
- Customized finish

DC640

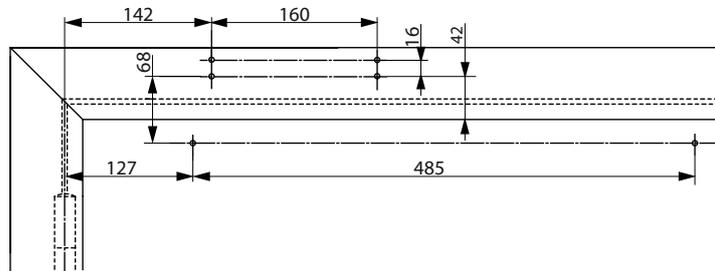
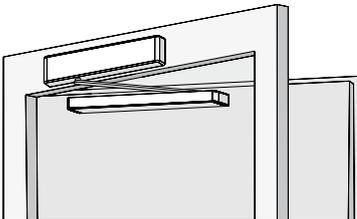
Dimensional drawings



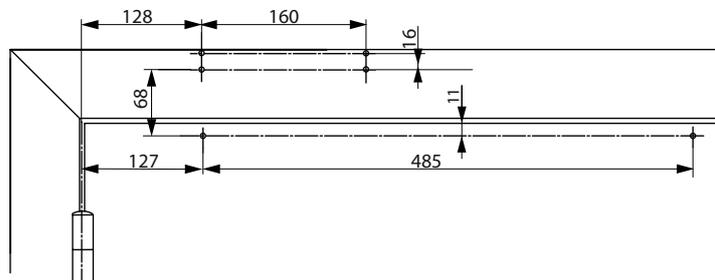
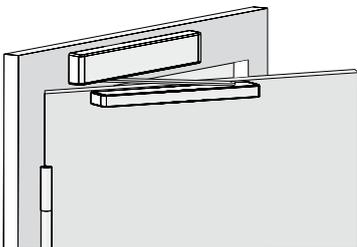
Regular door mounting
 Left hand door shown in diagram
 Right hand door is the reverse



Fitting dimensions for standard installation on hinge side with guide rail
 Left hand door shown in diagram
 Right hand door is the reverse



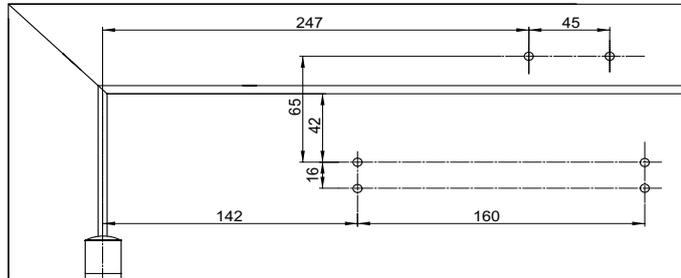
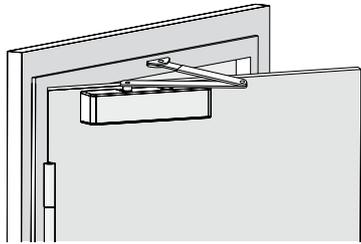
Fitting dimension for standard installations on non-hinge side with guide rail
 Closer on non-hinge side of door frame
 Right hand door shown in diagram
 Left hand door is the reverse



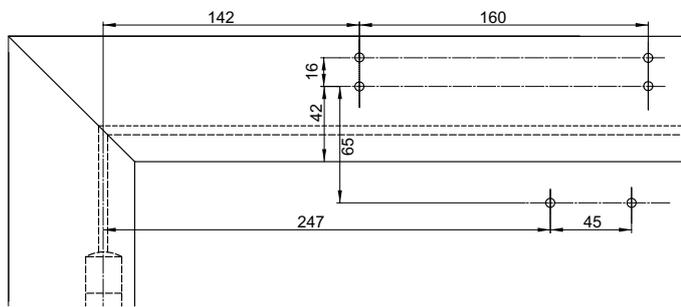
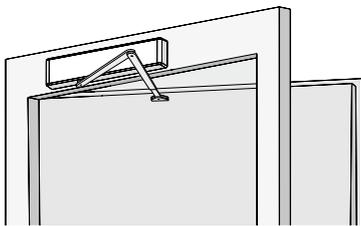
Fitting dimension for standard installations on hinge side frame mounting with guide rail
 Closer on hinge side of door frame
 Left hand door shown in diagram
 Right hand door is the reverse

DC640

Dimensional drawings

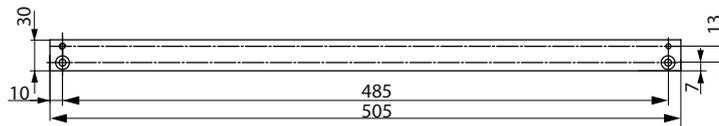
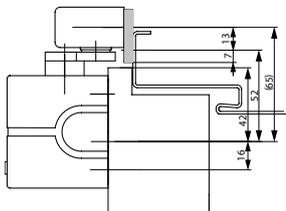


Fitting dimension for standard installations on hinge side with link arm
 Left hand door shown in diagram
 Right hand door is the reverse

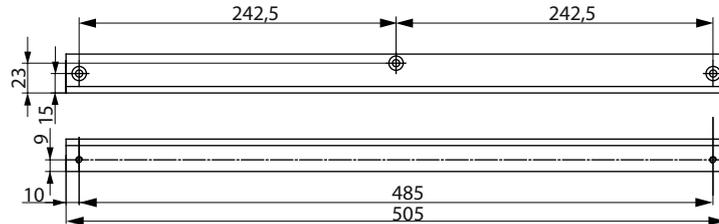
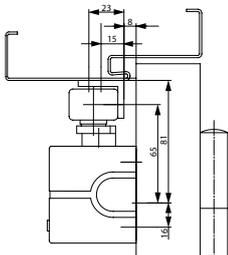


Fitting dimension for standard installations on non-hinge side with link arm
 Closer on non-hinge side of door frame
 Right hand door shown in diagram
 Left hand door is the reverse

Accessories



Mounting plate A130
 For guide rail G193 and L694



Angle bracket A104
 Only for standard guide rail L694

Description	Order no.	Description	Order no.
DC640 EN size 3 - 6 / EN size 3 - 4, silver		Link arm free swing L690, black, similar to RAL 9005	
DC640 EN size 3 - 6 / EN size 3 - 4, white, similar to RAL 9016		Link arm free swing L690, customized finish	
DC640 EN size 3 - 6 / EN size 3 - 4, brown, similar to RAL 8014		Guide rail free swing L694, silver	
DC640 EN size 3 - 6 / EN size 3 - 4, black, similar to RAL 9005		Guide rail free swing L694, white, similar to RAL 9016	
DC640 EN size 3 - 6 / EN size 3 - 4, customized finish		Guide rail free swing L694, brown, similar to RAL 8014	
Link arm free swing L690, silver		Guide rail free swing L694, black, similar to RAL 9005	
Link arm free swing L690, white, similar to RAL 9016		Guide rail free swing L694, customized finish	
Link arm free swing L690, brown, similar to RAL 8014		Connection box A140	

DC475



ASSA ABLOY DC475

Floor spring with adjustable closing force for large and very heavy doors. Certified in compliance with EN1154, size 3-6. Suitable for fire and smoke protection doors. For double and single action door up to 300kg.

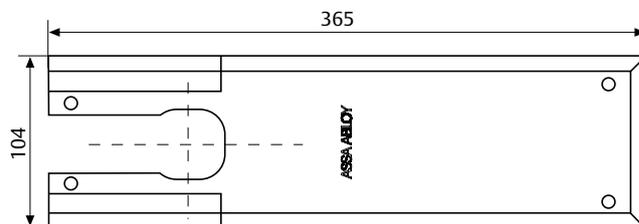
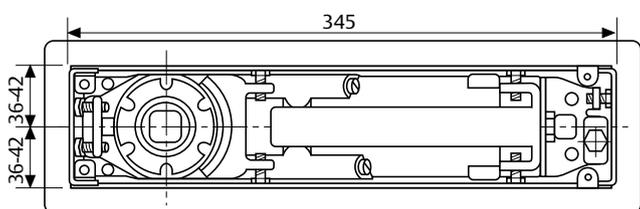
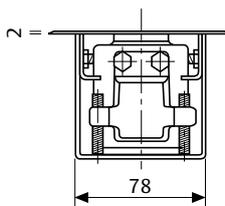
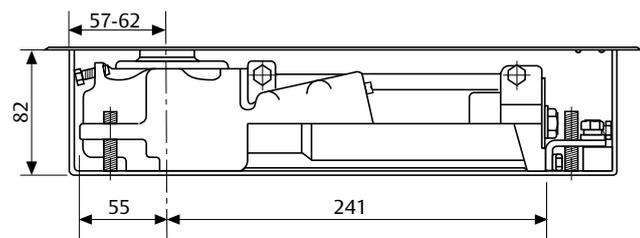
Characteristics DC475

- Closing from 175° in both swings order with hydraulic control from 150°.
- Two thermodynamic valves for consistent performance.
- Adjustable door speed and latching speed from front facing regulator valves.
- Back check effect.
- Cast iron body.
- Cement box in hot zinc plated.
- Interchangeable spindle from 0 to +30mm.
- Available without hold open, with hold-opening angle 90° and 105°.

DC475.2



CE	ASSA ABLOY Italia S.p.A. Via Modena, 66 40017 San Giovanni in Persiceto Bologna - Italy		04			
	0425 DO.0663	EN 1154:1996+A1:2002	3	8	$\frac{3}{6}$	1 1 4



DC475

Technical attributes

Technical attributes	
Variable adjustable closing force	EN 3 -6
Door widths up to	1400 mm
Fire and smoke protection	Yes
Door swing direction	Left / Right hand door or double action
Closing speed	Variable between 150°-0°
Latching speed	Variable between 15°-0°
Hold-open mode	90°/105°/Non Hold Open
Weight	7.3 kg
Height	82 mm
Width	78 mm
Length	345 mm
Certified in compliance with	EN 1154
CE marking for building products	Yes

Here you can see the individual advantages of our door closer models for your personal field of business.

The advantages at a glance

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors. - Hold open at 90°, 105° and non hold open. - Variety of available spindles: square Italian, square French, rectangular German. - Architectural finishes: coverplate in polished stainless steel, satin stainless steel, polished brass.
Builders & Installers	<ul style="list-style-type: none"> - Universal for Left/Right handed and double action doors. - Overpressure relief valve to protect unit against abuse. - Large range of adjustment within cement box to solve possible alignment problems on the site without taking down the door.
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range. - One single product suitable for all fitting applications. - Complementary accessories available for the whole product range.
User	<ul style="list-style-type: none"> - Adjustable operating force to meet door construction requirements and user needs. - Easier door opening and improved accessibility due to cam motion technology. - Backchek feature offers optimum protection for doors and walls.

You can find the complete specifications on the Internet at:

Specifications for DC475

ASSA ABLOY Floor spring DC475 featuring cam action technology in compliance with EN 1154

- Closing power variable adjustable, EN size 3-6, for doors up to 1400 mm wide
- Closing speed, latch speed adjustable from front facing regulator valves
- With CE marking
- 9 mm height adjustable within cement box
- Suitable for Left/Right hand and double leaf doors

Accessories:

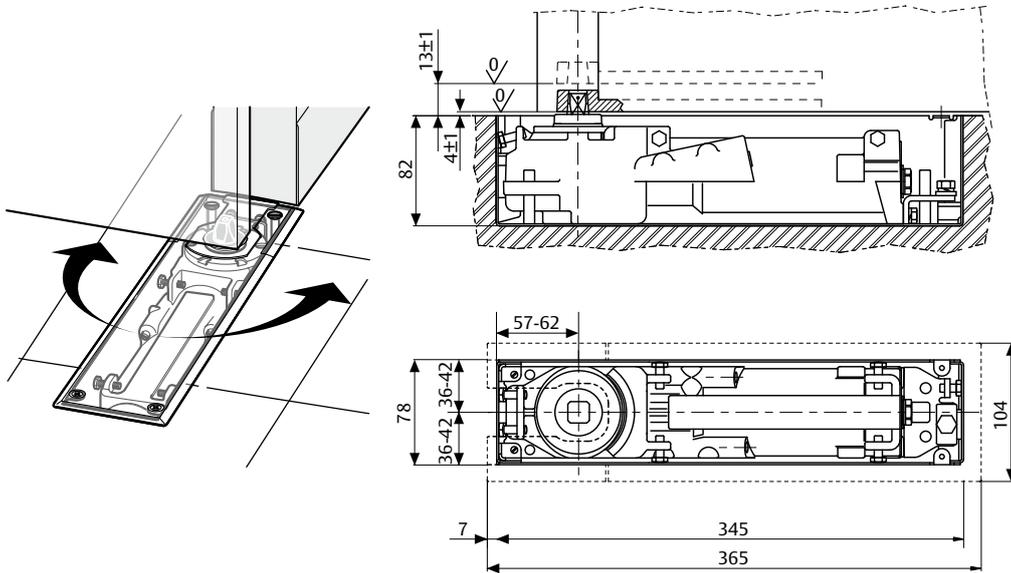
- AC115 - Reversible Bottom Arm Italian spindle
- AC393 - Reversible Bottom Arm German Spindle
- AC8 - Double action Top Pivot
- AC583 - Right and left bottom arm. Square Italian spindle.
- AC392 - Right & Left bottom Arm German Spindle
- AC384 - Top pivot for left or right doors.
- AC373 - Right bottom arm. Square French spindle.
- AC374 - Left bottom arm. Square French spindle.
- AC612- Sealing Compound for floor springs.

Cover plates AC269:

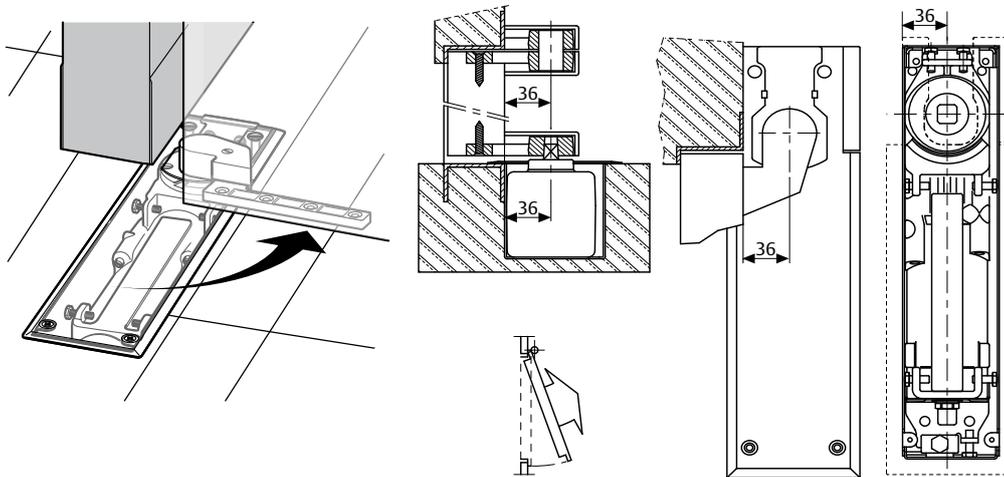
- Polished stainless steel A0269IR
- Satin stainless steel A0269HR
- Polished brass A0269PR

DC475

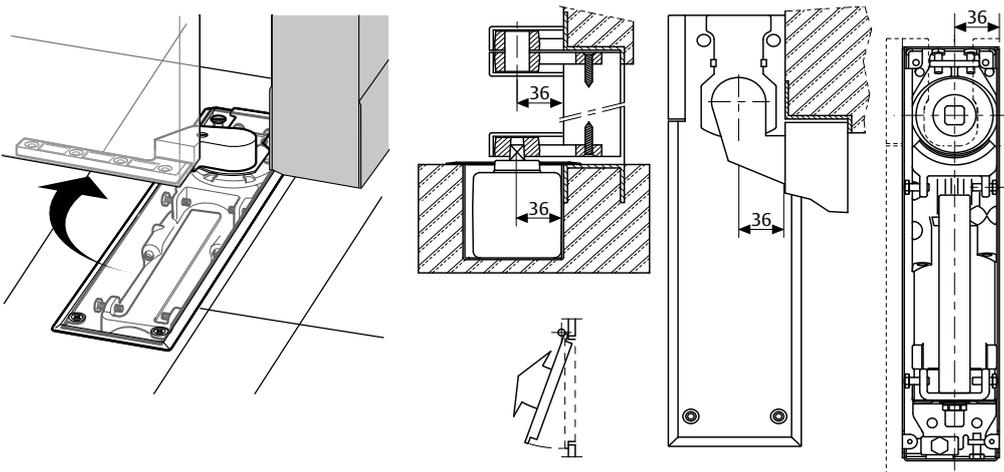
Dimensional drawings



Double action door mounting.



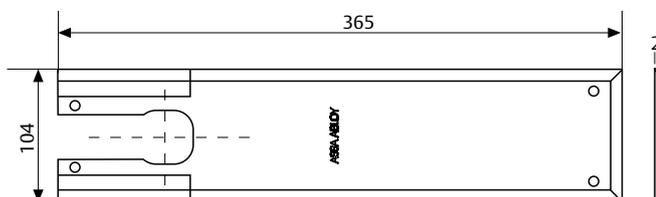
Left-hand door mounting (DIN Right).



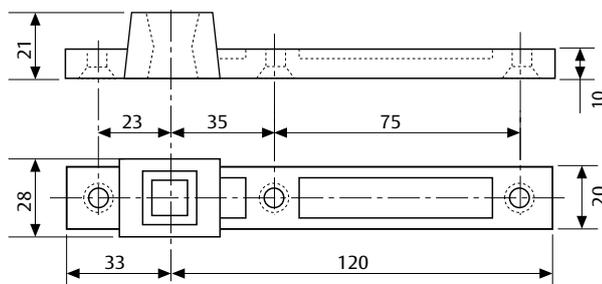
Right-hand door mounting (DIN Left).

DC475

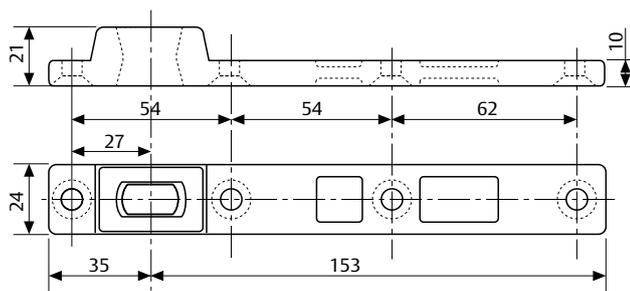
Accessories



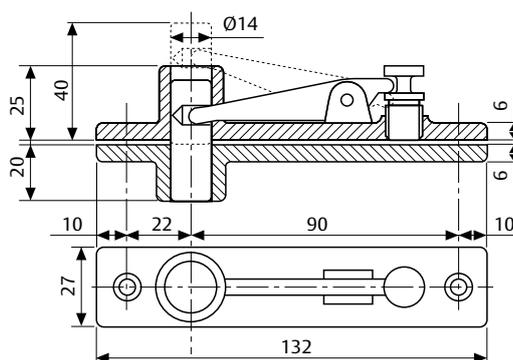
AC269
Available in satin stainless steel, polished stainless steel and polished brass.



AC115
Reversible bottom arm in steel for double action doors. Square Italian spindle.



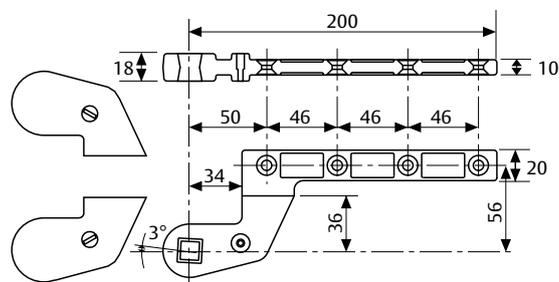
AC393
Reversible bottom arm in steel for double action doors. Rectangular German spindle.



AC8
Double action top pivot.

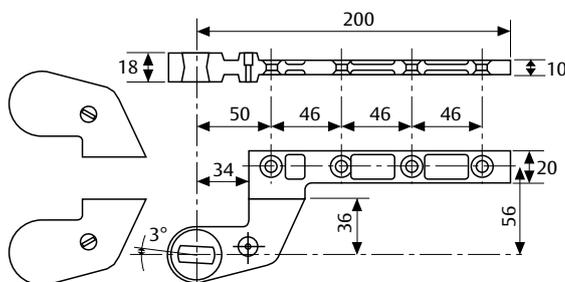
DC475

Accessories



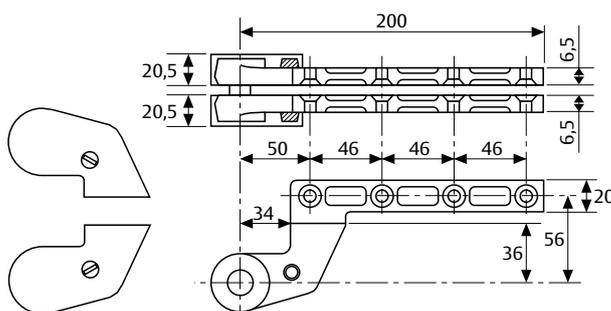
AC583

Right and left bottom arm in steel for single action doors, 36 mm. offset. Square Italian spindle. Silver painted ABS covers.



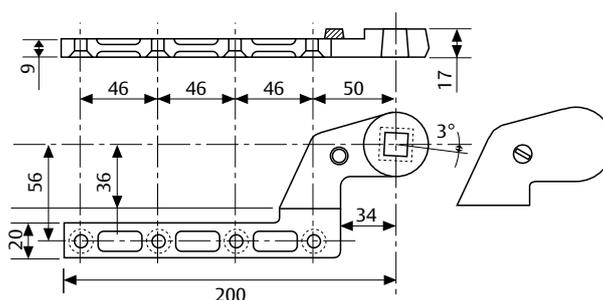
AC392

Right and left bottom arm in steel for single action doors, 36 mm. offset. Rectangular German socket. Silver painted ABS covers.



AC384

Double action top pivot in full steel 36 mm. offset. Silver painted ABS covers.

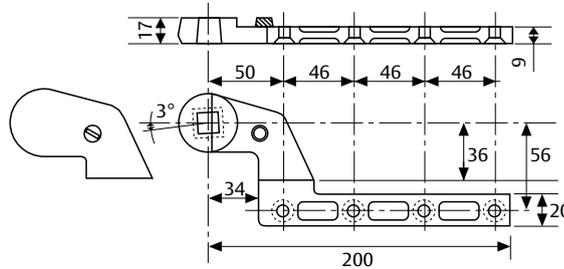


AC373

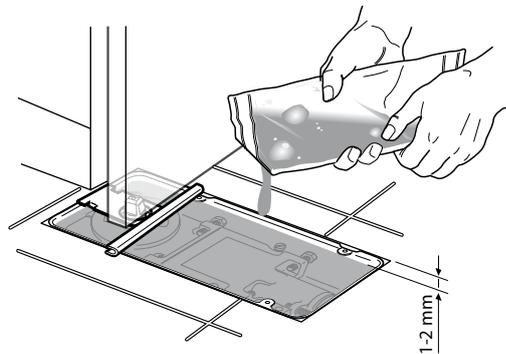
Right bottom arm in steel for single action doors, 36mm. offset. Square French spindle. Silver painted ABS covers.

DC475

Accessories

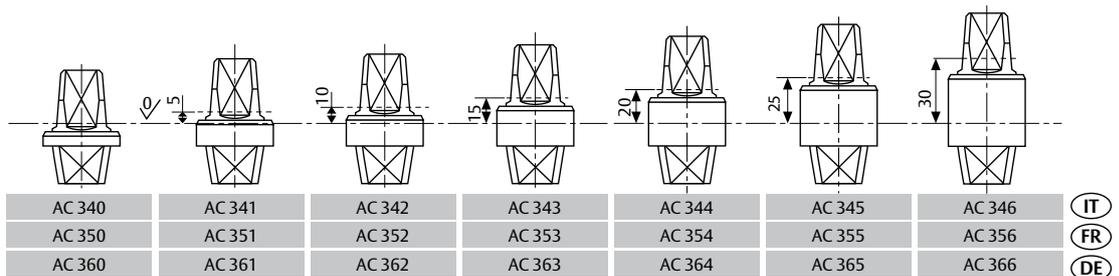


AC374
Left bottom arm in steel for single action doors. Square French spindle. Silver painted ABS covers.



AC612
Sealing Compound for floor springs.

Detachable spindles



Description	Order no.	Description	Order no.
DC475.0 size 3-6, H.O. 105°		AC8 Double action top pivot.	
DC475.2 size 3-6, without H.O.		AC583 Right and left bottom arm. Square Italian spindle.	
DC475.5 size 3-6, H.O. 90°		AC392 Right and left bottom arm. Rectangular German socket.	
AC269 Cover plate satin stainless steel		AC384 Double action top pivot.	
AC269 Cover plate polished stainless steel		AC373 Right bottom arm. Square French spindle.	
AC269 Cover plate polished brass		AC374 Left bottom arm in steel for single action doors.	
Requested spindle (IT, FR, DE)		AC612 Sealing compound for floor springs.	
AC115 Reversible bottom arm. Square Italian spindle.			
AC393 Reversible bottom arm. Rectangular German spindle.			

DC477



ASSA ABLOY DC477

Floor spring with adjustable closing force
for large and heavy doors
Certified in compliance with EN1154, size 2-4
Suitable for fire and smoke protection doors
For double and single action doors up to 170kg

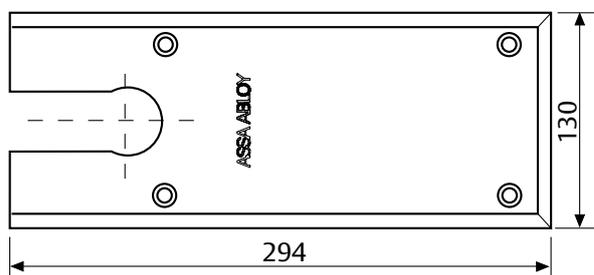
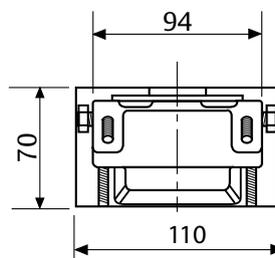
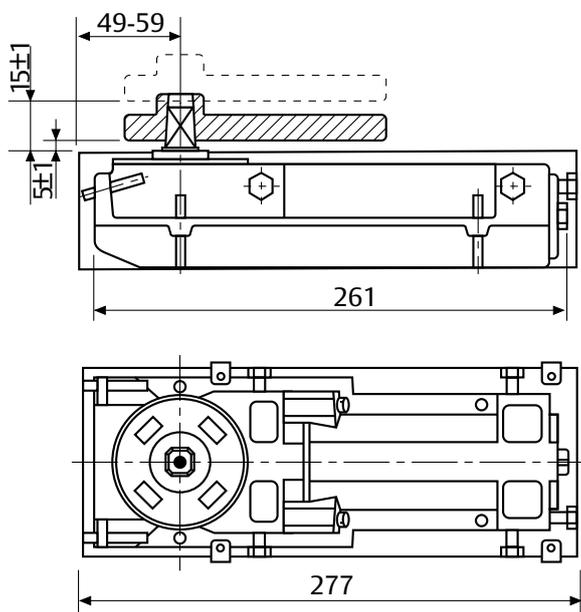
Characteristics DC477

- from 175° in both swings order with hydraulic control from 150°.
- Two thermodynamic valves for consistent performance.
- Adjustable door speed and latching speed from front facing regulator valves.
- Back check effect.
- Cast iron body.
- Cement box in hot zinc plated.
- Interchangeable spindle from 0 to +30mm.
- Available without hold open, with hold-opening angle 90° and 105°.

DC477.2



CE	ASSA ABLOY Italia S.p.A. Via Modena, 68 40017 San Giovanni in Persiceto Bologna - Italy			10			
	0425.DO.2221	EN 1154:1996+A1:2002	3	8	2 4	1	1



DC477

Technical attributes

Technical attributes	
Variable adjustable closing force	EN 2-4
Door widths up to	1100 mm
Fire and smoke protection	Yes
Door swing direction	Left / Right hand door or double action
Closing speed	Variable between 150°-0°
Latching speed	Variable between 15°-0°
Hold-open mode	90° / 105° / Non Hold Open
Weight	5.4 kg
Height	70 mm
Depth	110 mm
Length	277 mm
Certified in compliance with	EN 1154
CE marking for building products	Yes

The advantages at a glance

Here you can see the individual advantages of our door closer models for your personal field of business.

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors. - Hold open at 90°, 105° or any angle from 150° to 180° and non hold open version. - Variety of available spindles: square Italian, square French, rectangular German. - Architectural finishes: cover plates in polished stainless steel, satin stainless steel, polished brass.
Builders & Installers	<ul style="list-style-type: none"> - Universal for Left/Right handed and double action doors. - Overpressure relief valve to protect unit against abuse. - Large range of adjustment within cement box to solve possible alignment problems on the site without taking down the door.
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range. - One single product suitable for all fitting applications. - Complementary accessories available for the whole product range.
User	<ul style="list-style-type: none"> - Ideal for residential interiors thanks to adjustable opening/closing force that makes opening/closing easy. - Adjustable operating force to meet door construction requirements and user needs. - Easier door opening and improved accessibility due to cam motion technology. - Backcheck feature offers optimum protection for doors and walls.

You can find the complete specifications on the Internet at:

Specifications for DC477

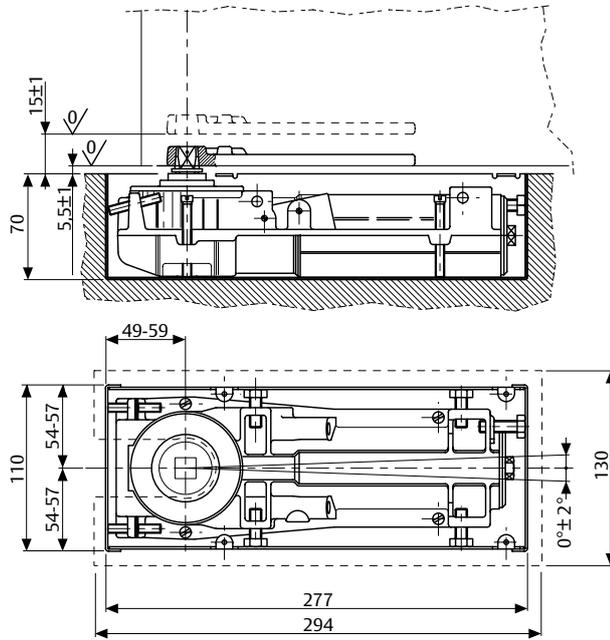
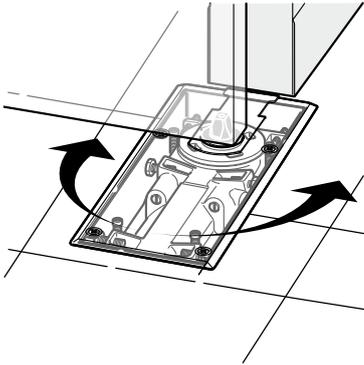
- ASSA ABLOY Floor spring DC477 featuring rack and pinion technology in compliance with EN 1154
- Closing power variable adjustable, EN size 2-4, for doors up to 1100 mm wide
 - Closing speed, latch speed and backcheck adjustable from front facing regulator valves
 - With CE marking
 - 9 mm height adjustable within cement box
 - Suitable for Left/Right hand and double leaf doors

Accessories:

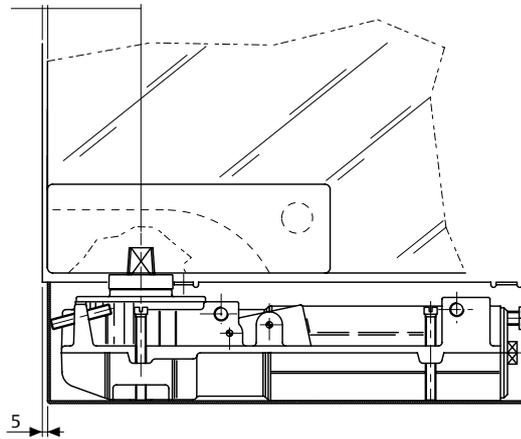
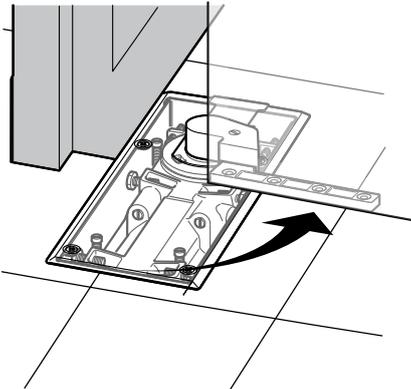
- AC115 - Reversible Bottom Arm Italian spindle
 - AC393 - Reversible Bottom Arm German Spindle
 - AC8 - Double action Top Pivot
 - AC583 - Right and left bottom arm. Square Italian spindle.
 - AC392 - Right & Left bottom Arm German Spindle
 - AC384 - Top pivot for left or right doors.
 - AC373 - Right bottom arm. Square French spindle.
 - AC374 - Left bottom arm. Square French spindle.
 - AC612 - Sealing Compound for floor springs.
- Cover plates AC534:
- Polished stainless steel A0534IR
 - Satin stainless steel A0534HR
 - Polished brass A0534PR

DC477

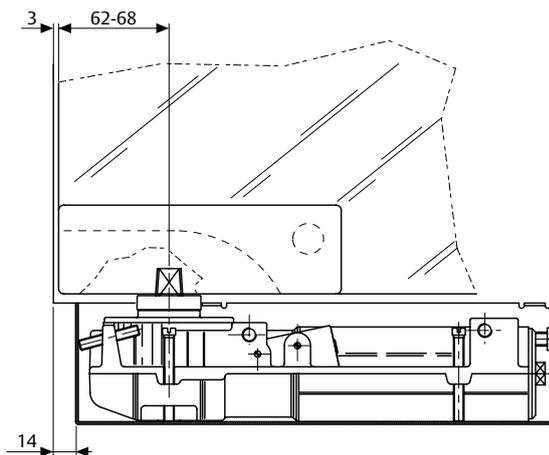
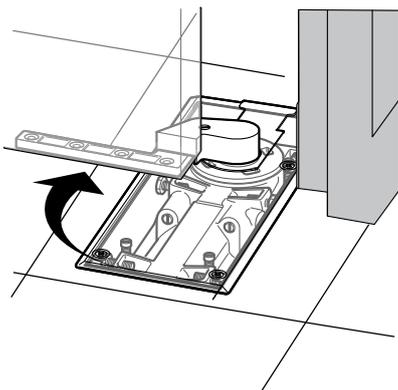
Dimensional drawings



Double action door mounting.



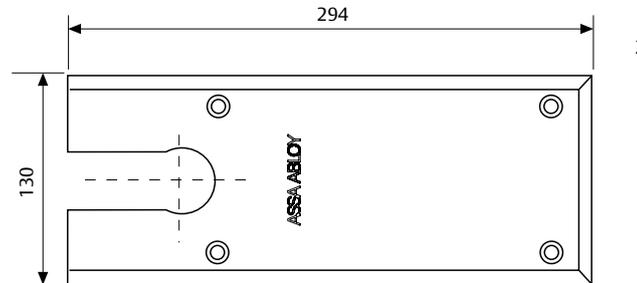
Left-hand door mounting (DIN Right).



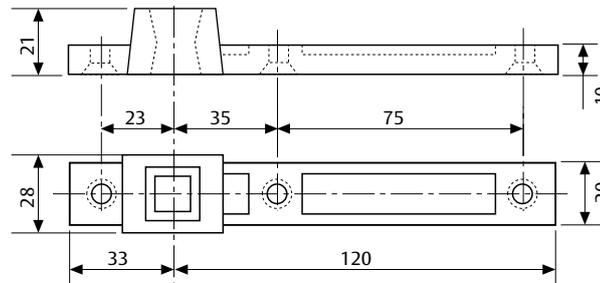
Right-hand door mounting (DIN Left).

DC477

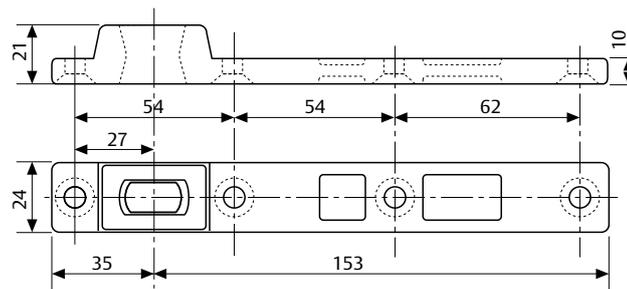
Accessories



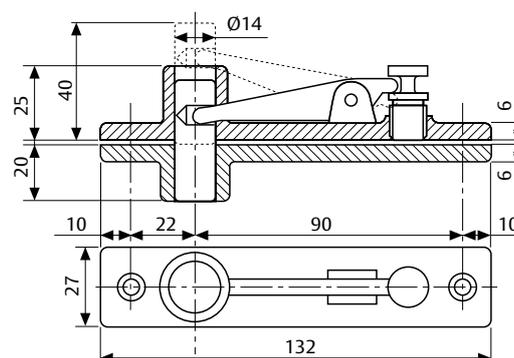
AC269
Available in satin stainless steel, polished stainless steel and polished brass.



AC115
Reversible bottom arm in steel for double action doors. Square Italian spindle



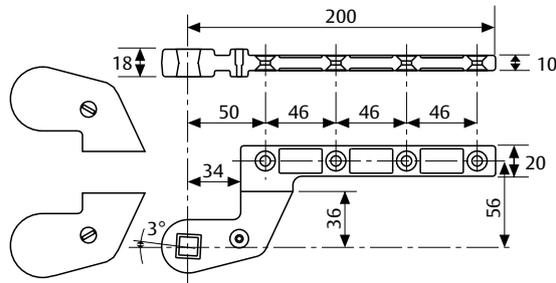
AC393
Reversible bottom arm in steel for double action doors. Rectangular German spindle.



AC8
Double action top pivot.

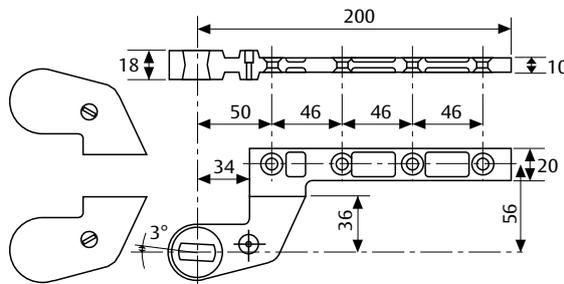
DC477

Accessories



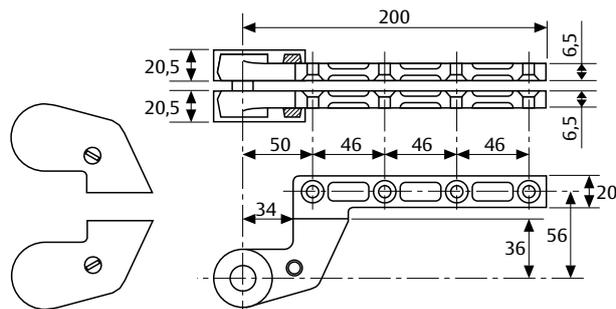
AC583

Right and left bottom arm in steel for single action doors, 36 mm. offset. Square Italian spindle. Silver painted ABS covers.



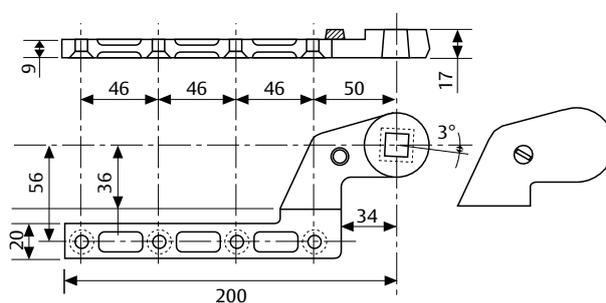
AC392

Right and left bottom arm in steel for single action doors, 36 mm. offset. Rectangular German socket. Silver painted ABS covers.



AC384

Double action top pivot in full steel 36 mm. offset. Silver painted ABS covers.

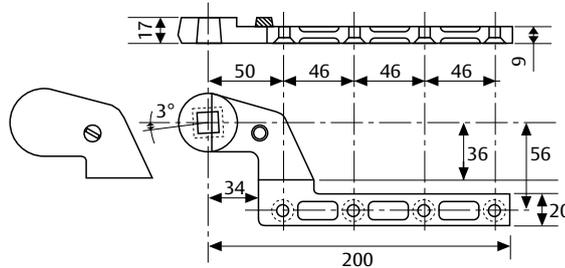


AC373

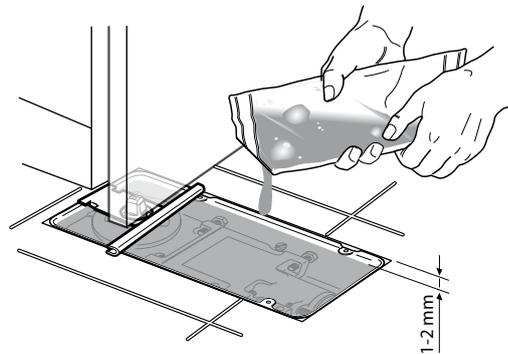
Right bottom arm in steel for single action doors, 36mm. offset. Square French spindle. Silver painted ABS covers.

DC477

Accessories

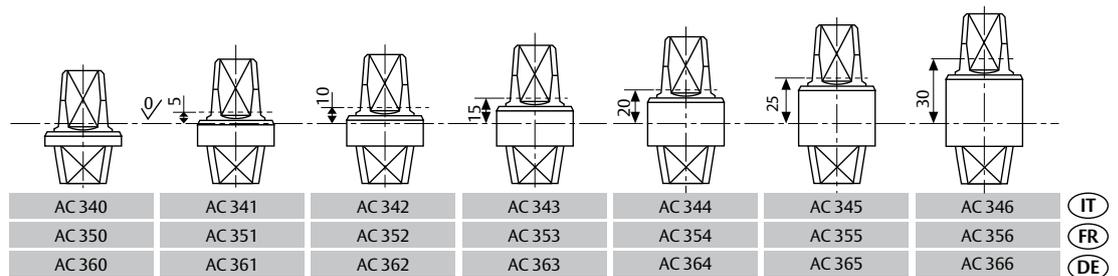


AC374
Left bottom arm in steel for single action doors. Square French spindle. Silver painted ABS covers.



AC612
Sealing Compound for floor springs.

Detachable spindles



Description	Order no.	Description	Order no.
DC477.0 size 2-4, H.O. 105°		AC8 Double action top pivot.	
DC477.2 size 2-4, without H.O.		AC583 Right and left bottom arm. Square Italian spindle.	
DC477.5 size 2-4, H.O. 90°		AC392 Right and left bottom arm. Rectangular German socket.	
AC534 Cover plate satin stainless steel		AC384 Double action top pivot.	
AC534 Cover plate polished stainless steel		AC373 Right bottom arm. Square French spindle.	
AC534 Cover plate polished brass		AC374 Left bottom arm in steel for single action doors.	
Requested spindle (IT, FR, DE)		AC612 Sealing compound for floor springs.	
AC115 Reversible bottom arm. Square Italian spindle.			
AC393 Reversible bottom arm. Rectangular German spindle.			

DC820



ASSA ABLOY DC820

- Concealed door closer with rack and pinion technology and sliding arm
- Certified in compliance with EN 1154, selectable 2 and 3
- Suitable for fire and smoke protection doors
- For single action doors up to 950 mm wide

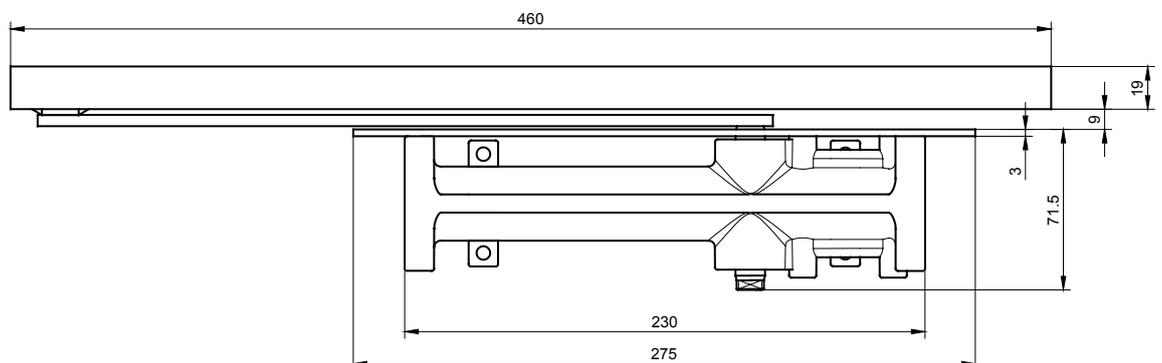
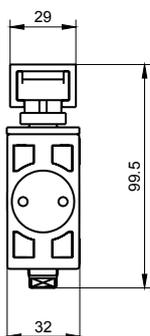
Characteristics DC820

- Can be used for left and right hand doors
- Opening angle: 150 degree maximum for EN2 and EN3
- Closing speed control - Valve 1: controls 150° to 15°
- Latching speed control - Valve 2: controls 15° to 0°
- Maximum door weight (kg) and maximum door leaf width (mm):
EN2 : < 40kg , < 850mm
EN3 : < 60kg , < 950mm
- Back-check (available upon request)
- Opening angle up to 180°
- Hold-open angle adjustable up to 150°
- Colour: Black, Silver, Gold, Almond, White, Brown

CE	IC 1000E Door Closer			10			
	Guli Security Products Ltd. 33-35 Chrysanthemum Road, Xiaolan, Zhongshan, Guangdong, P.R. China						
Certificate No. 1162-CPD-0286	EN 1154: 1996/A1: 2002	4	8	2	1	1	3



CE	IC 1000E Door Closer			10			
	Guli Security Products Ltd. 33-35 Chrysanthemum Road, Xiaolan, Zhongshan, Guangdong, P.R. China						
Certificate No. 1162-CPD-0286	EN 1154: 1996/A1: 2002	4	8	3	1	1	3



DC820

Technical attributes

Technical attributes	
Closing force	EN 2, EN 3
Door widths up to	EN2: 850mm; EN3: 950mm
Fire and smoke protection (Please check the useability according your local regulations)	Yes
Door swing direction	Left / Right hand door
Closing speed	Variable 150° – 0°
Latching speed	Variable 15° – 0°
Hold-open mode	Variable between 45°- 150°
Weight	0,97 kg
Height	76,5 mm
Depth	32 mm
Length	230 mm
Certified in compliance with	EN 1154 : 1996
CE marking for building products	Yes

Here you can see the individual advantages of our door closer models for your personal field of business.

The advantages at a glance

Customer segment	Advantages
Project planners	- Extensive range of uses: Fire and smoke protection doors as well as standard doors - Modern design - Compact design
Builders & Installers	- Slim size (32 mm wide) that fits almost any door - Suitable for left and right hand doors - One installation template
User	- Concealed installation - Adjustable closing speed

You can find the complete specifications on the Internet at:

Specifications for DC820

ASSA ABLOY Door Closer DC820 with sliding arm

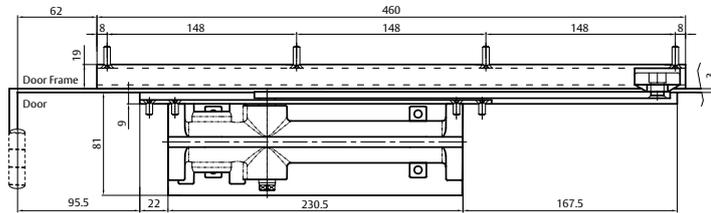
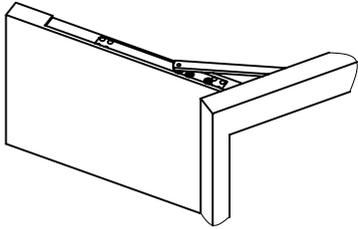
- Conceal installation
- Closing force: EN2 and EN3
- Closing and latching speed adjustable
- For fire and smoke protection doors
- With CE marking
- Suitable for left and right hand doors

Colour:

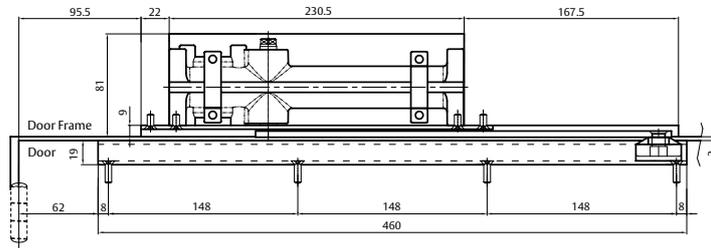
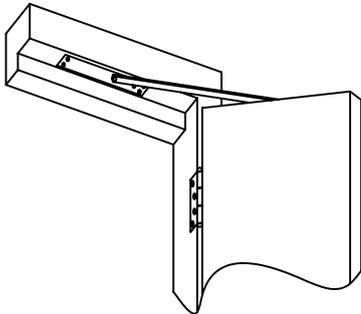
- Silver
- Gold
- Almond
- White, similar to RAL9016
- Brown, similar to RAL8014

DC820

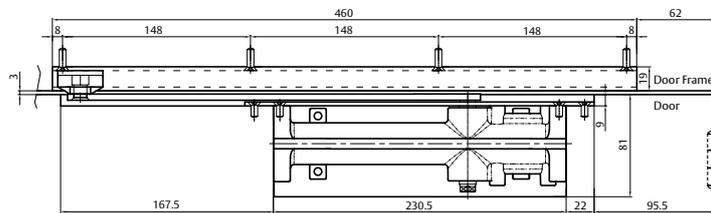
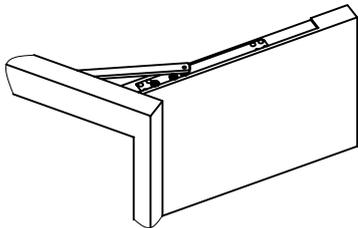
Dimensional drawings



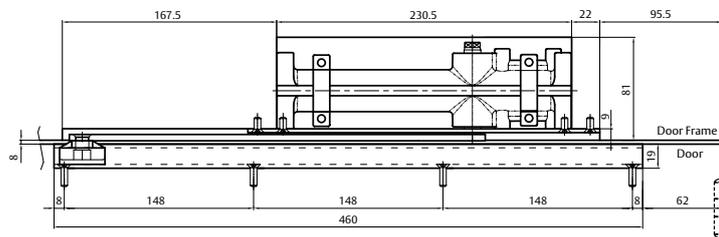
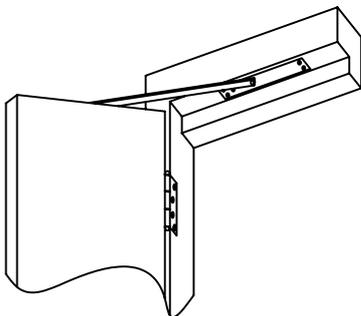
Installation dimensions
for standard application
Left hand door shown in
diagram



Installation dimensions
for top jamb application
Left hand door shown in
diagram



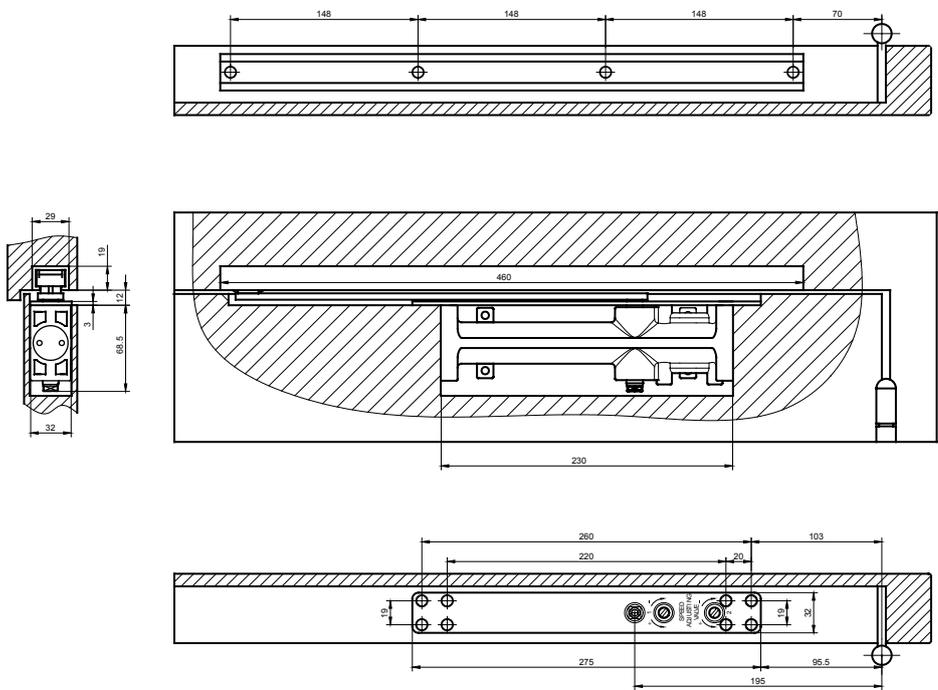
Installation dimensions
for standard application
Right hand door shown in
diagram



Installation dimensions
for top jamb application
Right hand door shown in
diagram

DC820

Template Installation Dimensions



Installation dimensions for standard door fitting
Right hand door shown in diagram.
Left hand door is the reverse

DC860



ASSA ABLOY DC860

- Concealed door closer with CAM Motion Technology and small standard concealed guide rail G892 or standard concealed guide rail G893
- Fullfills barrier-free building requirements (DDA / CEN PR 15894)
- Certified in compliance with EN 1154, size 1-5
- Suitable for fire and smoke protection doors
- For single action doors up to 1250 mm wide
- Can be installed into door leaf or door frame

Characteristics DC860

- For single action doors up to 1250mm wide
- Suitable for fire and smoke protection doors
- Can be used for Left and Right hand doors
- Speed and latching speed adjustable from top using the regulating valves
- Built-in backcheck
- Variable adjustable closing force
- Thermodynamic valves for consistant performance
- Opening angle up to 120°
- Large range of applications
- Versions with 4 mm and 8 mm spindle extensions
- Standard colour: Silver
- Customized finishes available on request



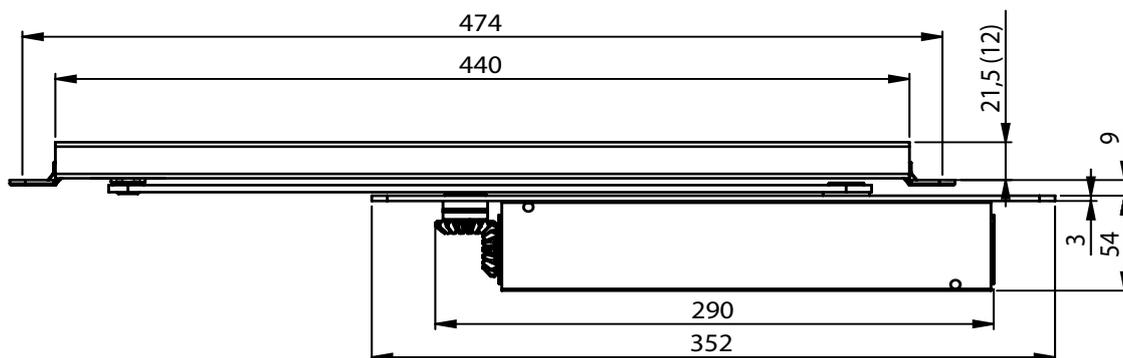
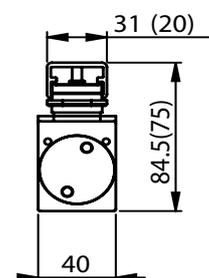
CE	Abloy Oy	09
	PO Box 108 80101 Joensuu, Finland	
0432-CPD-0047	EN1154:1996+A1:2002	3 8 5 1 1 2

Characteristics of Guide rail G892

- Small size guide rail
- For standard applications
- Installation dimensions: see diagram (dimensions in bracket)

Characteristics of Guide rail G893

- Available with mechanical hold open device and opening damper
- Installation dimensions: see diagram



DC860

Technical attributes

Technical attributes	
Variable adjustable closing force	EN 1 – 5
Door widths up to	1250 mm
Fire and smoke protection (Please check the useability according your local regulations)	Yes
Door swing direction	Left / Right hand door
Closing speed	Variable 120° – 0°
Latching speed	Variable 7° – 0°
Backcheck	Fixed about 80°
Opening angle	Ca. 120°
Weight	2.3 kg
Height	51 mm
Width	40 mm
Length	290 mm
Certified in compliance with	EN 1154
CE mark for building products	Yes

The advantages at a glance

Here you can see the individual advantages of our door closer models for your personal field of business.

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Concealed door closer products offers esthetic advantages for every solutions - Standard functions built-in - Fulfills barrier-free building requirements - Possibility to use with concealed fire door closing system
Builders & Installers	<ul style="list-style-type: none"> - Quick and easy installation - Quickly and easily adjustable - Suitable for Left and Right hand doors
Trade	<ul style="list-style-type: none"> - Low stock keeping costs thanks non-handed design in closer and arm system - One single product suitable for all fitting applications - Complimentary accessories available
User	<ul style="list-style-type: none"> - Door easy to use thanks to the greatly reduced torque - Largely unaffected by temperature fluctuations thanks to thermodynamic valves - Protection for door and wall thanks to built-in backcheck and pressure relief valve

You can find the complete specifications on the Internet at:

Specifications for DC860

ASSA ABLOY Concealed Door Closer DC860 with CAM Motion Technology and concealed guide rail in compliance with EN 1154

- Closing power continuously adjustable, EN size 1 – 5
- Closing speed, latching speed and closing force continuously adjustable from top
- With CE marking
- Versions with 4 mm and 8 mm spindle extensions
- Suitable for Left and Right hand doors

Accessories:

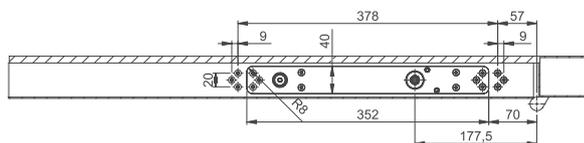
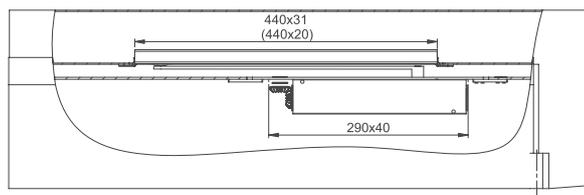
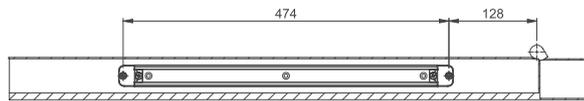
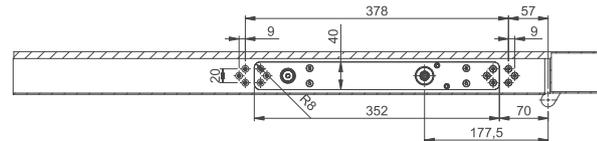
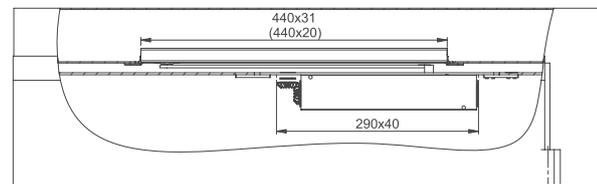
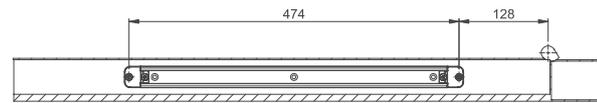
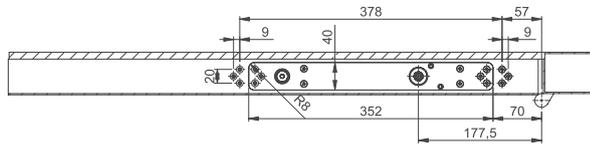
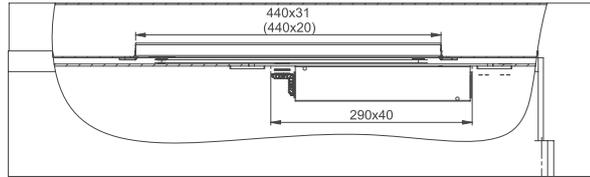
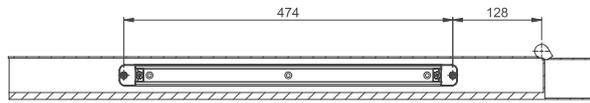
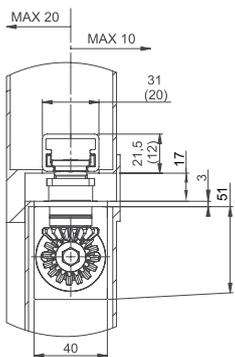
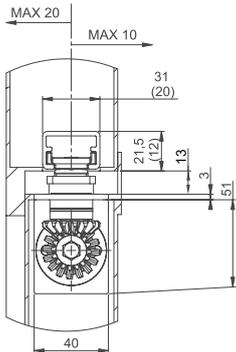
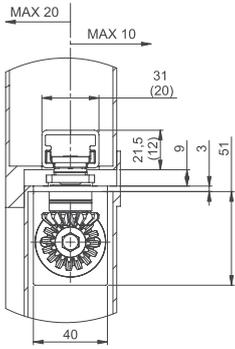
- Small concealed guide rail DC892
- Standard concealed guide rail DC893
- Mechanical hold open device A152 (not for fire and smoke protection doors)
- Mechanical opening damper A153
- Fixing plate 812775

Colour:

- Silver
- Customized finish

DC860

Dimensional drawings



Installation dimension
for standard door fitting
Right hand door shown
in diagram
Left hand door is the
reverse

Installation dimensions
with 4 mm spindle
extension
Right hand door shown
in diagram
Left hand door is the
reverse

Installation dimensions
with 8 mm spindle
extension
Right hand door shown
in diagram
Left hand door is the
reverse

DC860

Accessories

Hold open device A152

Simple fitting into guide rails G893
 Hold open angle max. 130°
 Adjustable hold open force
 Not approved for use on fire and smoke protection doors



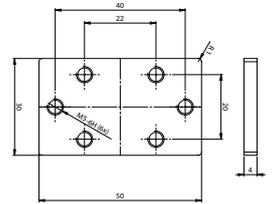
Opening damper A153

Helps to prevent the door and door handle from hitting a return wall. Simple fitting into guide rails G893. Opening damper continuously adjustable up to an opening angle of max. 130°. Does not replace door stop.



Fixing plate 812775

For closer fixing in profile doors when mounting plate need to be fixed same level as profile.



Description	Order no.
DC 860 EN size 1 – 5, silver	
DC 860 EN size 1 – 5, customized finish	
DC 860 EN size 1 – 5, spindle extension 4 mm, silver	
DC 860 EN size 1 – 5, spindle extension 4 mm, customized finish	
DC 860 EN size 1 – 5, spindle extension 8 mm, silver	
DC 860 EN size 1 – 5, spindle extension 8 mm, customized finish	
Concealed standard guide rail small G892, silver	
Concealed standard guide rail small G892, customized finish	
Concealed standard guide rail G893, silver	
Concealed standard guide rail G893, customized finish	
Hold open device A152	
Opening damper A153	
Fixing plate 812775	

DC860 with G880



ASSA ABLOY G880

- Concealed door closer with CAM Motion technology and guide rail with electro-mechanical hold open device for single doors
- Guide rail is certified in compliance with EN1155, size 3-6
- Closer is certified in compliance with EN1154, size 1-5
- Hold open angle continuously adjustable between 80°-120°
- For fire and smoke protection doors up to 1400 mm

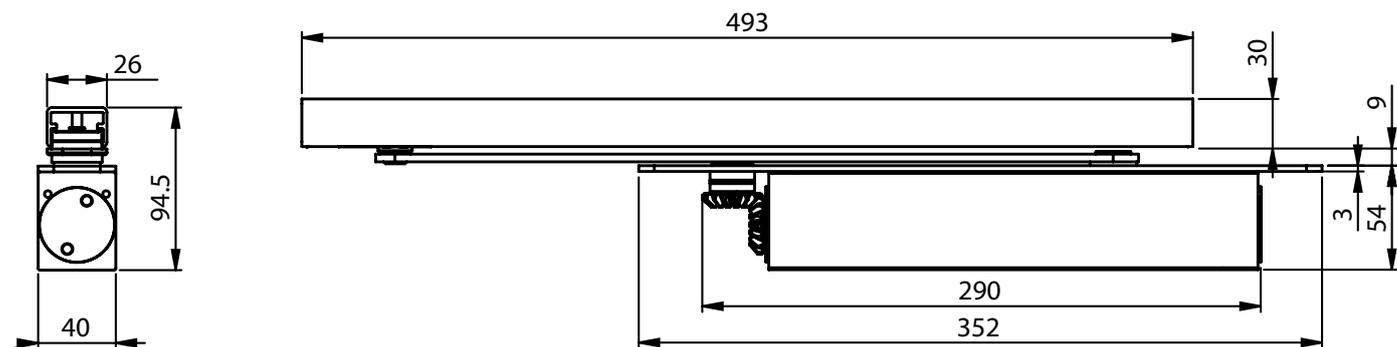
Characteristics G880

- Concealed electro-mechanical hold open device
- Continuously adjustable hold open force
- Hold open angle adjustable between 80°-120°
- Can be used for Left and Right hand doors
- Standard colours: silver
- Customized finishes available on request



CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	10				
	0432-BPR-0050	EN1155:1997+A1:2002	3	8	$\frac{6}{3}$	1 1 0

CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	09				
	0432-CPD-0047	EN1154:1996+A1:2002	3	8	$\frac{5}{1}$	1 1 2



DC860 with G880

Technical attributes

Technical attributes	
Voltage supply	24 V DC
Max. consumption	60 mA
Door widths up to	1400 mm
Weight	0,9 kg
Height	30 mm
Depth	26 mm
Length	493 mm
Certified in compliance with	EN 1155
CE mark for building products	Yes

Facts for door closer see DC860

Here you can see the individual advantages of our door closer models for your personal field of business.

The advantages at a glance

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Concealed door closer products prefers esthetic advantages for every solutions - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Compact design, small size - Suitable for steel, wooden and aluminium profile doors
Builders & Installers	<ul style="list-style-type: none"> - Quick and easy installation - Quickly and easily adjustable - Suitable for Left and Right hand doors
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - A single model for all single door concealed installation
User	<ul style="list-style-type: none"> - Adjustable operating force, to meet door construction requirements and user need

You can find the complete specification on the Internet at:

Specification for G880

ASSA ABLOY concealed guide rail with electro-mechanical hold open device used with DC860 concealed CAM Motion door closer

- Power supply 24 V DC
- Hold open force continuously adjustable, EN size 3 – 6
- Hold open angle adjustable between 80° - 120°
- Can be used for Left and Right hand doors
- Large range of applications
- With technical approval for different smoke detection systems

Accessories:

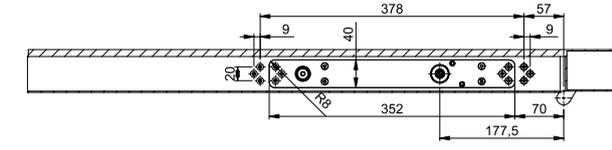
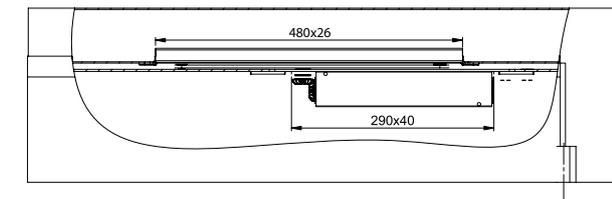
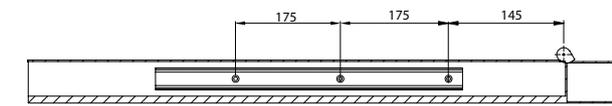
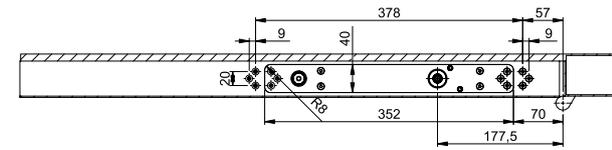
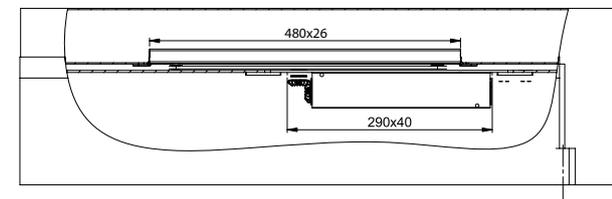
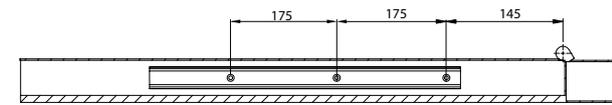
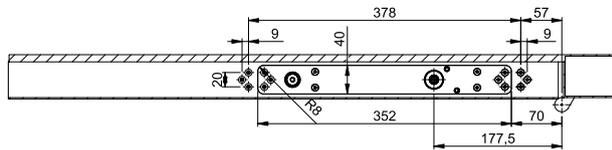
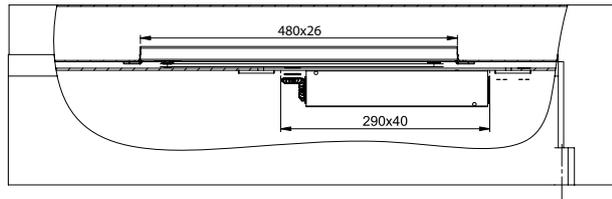
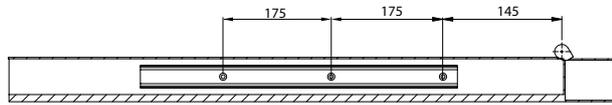
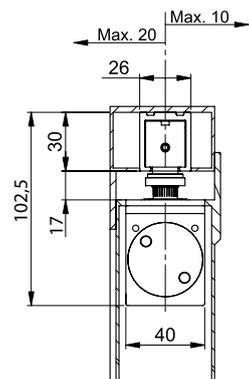
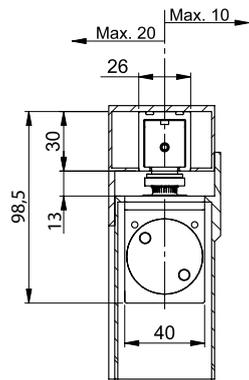
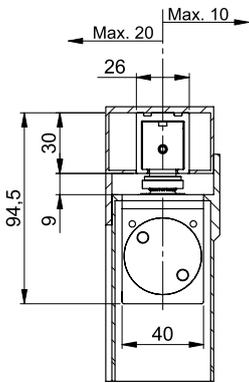
- Power supply
- Smoke protection detector
- Flush mounted or surface mounted release button

Colour:

- Silver
- Customized finish

DC860 with G880

Dimensional drawings



Installation dimension for standard door fitting
 Right hand door shown in diagram
 Left hand door is the reverse

Installation dimensions with 4 mm spindle extension
 Right hand door shown in diagram
 Left hand door is the reverse

Installation dimensions with 8 mm spindle extension
 Right hand door shown in diagram
 Left hand door is the reverse

DC860 with G880

Accessories

Description	Order no.
Concealed guide rail G880 with electro-mechanical hold open device, silver	
Concealed guide rail G880 with electro-mechanical hold open device, customized finish	

DC700 with G461



ASSA ABLOY G461

- Door closer with CAM Motion technology and guide rail with integrated mechanical co-ordinator for double leaf doors.
- Certified in compliance with EN 1158, size 3-6
- Operates independently of door closers and offers best possible safety and reliability
- For fire and smoke protection double doors, hinge distance 1250 - 2800 mm

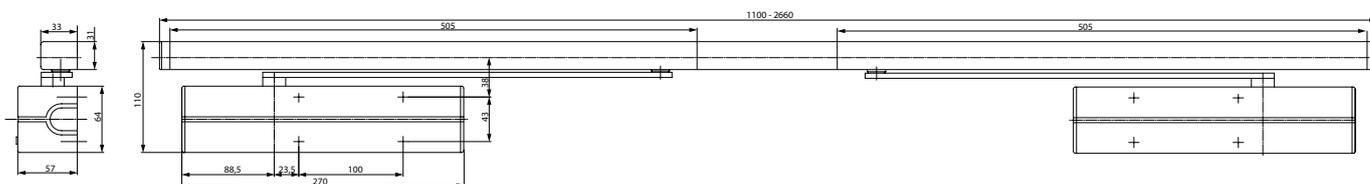
Characteristics G461

- Integrated mechanical co-ordinator for double doors
- Correct closing sequence guaranteed because inactive leaf must be very near of closed position before active leaf start to close
- Active leaf could stay open in any selected angle up to 150° when inactive leaf is opened
- Standard installation types on the hinge side and non-hinge side
- Non-hinge side installation needs hook arm G120
- Guide rail height adjustable of 14 mm
- Large range of applications
- Standard colours: silver, white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request



CE	Abloy Oy PO Box 108 80101 Joensuu, Finland					10
	0432-BPR-0049	EN1158:1997+A1:2002	3	8	$\frac{6}{3}$	1 1 3

CE	Abloy Oy PO Box 108 80101 Joensuu, Finland					10
	1162-CPD-0464	EN1154:1996+A1:2002	3	8	$\frac{6}{3}$	1 1 4



DC700 with G461

Technical attributes

Technical attributes	
Hinge distance	1250 - 2800 mm
Fire and smoke protection	Yes
Max. opening angle of active leaf (hinge side / non-hinge side)	150° / 120°
Max. opening angle of inactive leaf (hinge side / non-hinge side)	170° / 120°
Weight	2,6 kg
Height	31 mm
Depth	33 mm
Length	Depends on hinge distance
Certified in compliance with	EN 1158
CE mark for building products	Yes

Facts for door closer see DC700

Here you can see the individual advantages of our door closer models for your personal field of business.

The advantages at a glance

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Modern design - Compact design
Builders & Installers	<ul style="list-style-type: none"> - Adjustable to nearly any door and frame types - Quick and easy installation - Quickly and easily adjustable - Suitable for hinge and non-hinge side installations
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - A single model for all hinge and non-hinge sides
User	<ul style="list-style-type: none"> - Correct closing sequence guaranteed in every situation

You can find the complete specification on the Internet at:

Specification for G461

ASSA ABLOY guide rail with mechanical coordinator for double doors used with DC700 CAM Motion door closers

- Hinge distance 1250 - 2800 mm
- Active leaf could stay open in any selected angle up to 150° when inactive leaf is opened
- Standard installation types on the hinge side and non-hinge side
- Non-hinge side installation needs hook arm G120
- Guide rail height adjustable of 14 mm
- Large range of applications

Accessories:

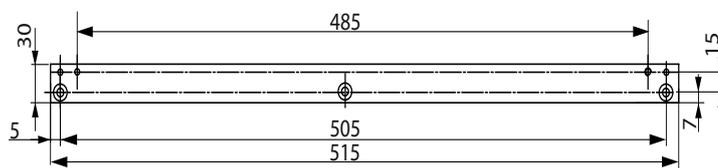
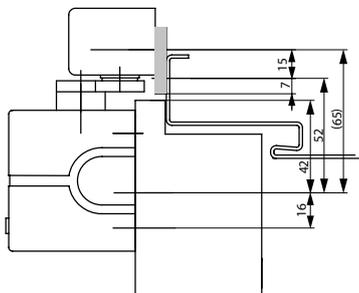
- Mounting plate A115
- Angle bracket A116
- Angle bracket A117
- Hook arm G120 for non-hinge side installations
- Carry bar

Colour:

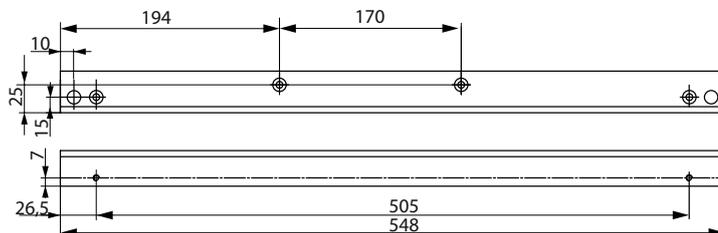
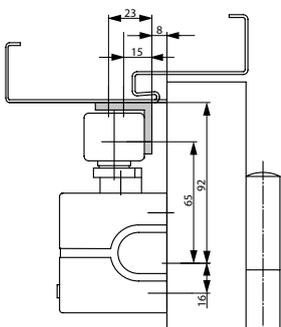
- Silver
- White, similar to RAL9016
- Brown, similar to RAL8015
- Black, similar to RAL9005
- Customized finish

DC700 with G461

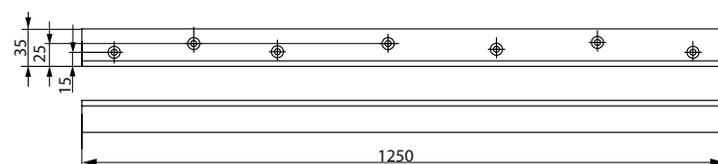
Accessories



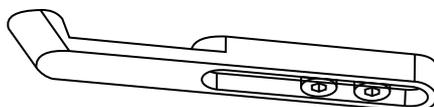
Mounting plate A115
For guide rail G461



Angle bracket A116
For guide rail G461 non-hinge side installations



Angle bracket A117
Middle bracket for guide rail G461 non-hinge side installations



Hook arm G120
For double doors non-hinge side installations

Description	Order no.
Guide rail G461 with mechanical co-ordinator, silver	
Guide rail G461 with mechanical co-ordinator, white, similar to RAL9016	
Guide rail G461 with mechanical co-ordinator, brown, similar to RAL8014	
Guide rail G461 with mechanical co-ordinator, black, similar to RAL 9005	
Guide rail G461 with mechanical co-ordinator, customized finish	

Description	Order no.
Mounting plate A115, silver	
Mounting plate A115, customized finish	
Angle bracket A116, silver	
Angle bracket A116, customized finish	
Angle bracket A117, silver	
Angle bracket A117, customized finish	
Hook arm G120, silver	
Hook arm G120, white, similar to RAL9016	
Hook arm G120, brown, similar to RAL8014	
Hook arm G120, black, similar to RAL 9005	
Hook arm G120, customized finish	

DC700 with G462



CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	10					
	0432-BPR-0050	EN1155:1997+A1:2002	3	8	6 3	1	1

CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	10					
	0432-BPR-0049	EN1158:1997+A1:2002	3	8	6 3	1	1

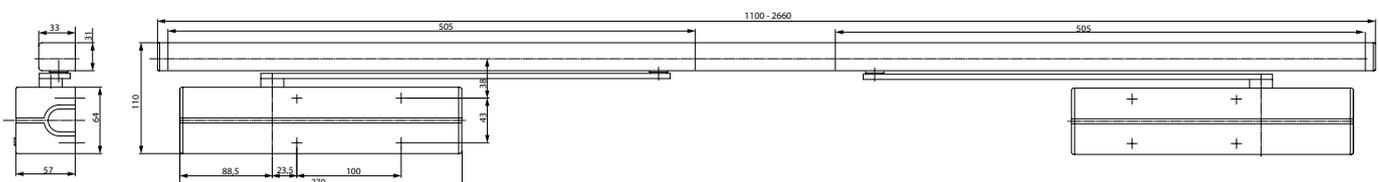
CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	10					
	1162-CPD-0464	EN1154:1996+A1:2002	3	8	6 3	1	1

ASSA ABLOY G462

- Door closer with CAM Motion technology and guide rail with integrated mechanical co-ordinator and two electro-mechanical hold open devices for double doors
- Certified in compliance with EN 1155 and EN 1158, size 3-6
- Operates independently of door closers and offers best possible functions, safety and reliability
- For fire and smoke protection double doors, hinge distance 1250 - 2800 mm

Characteristics G462

- Integrated mechanical co-ordinator with two electro-mechanical hold open devices
- Possible to keep active leaf or both door leaves open
- Hold open angle adjustable between 70° - 130°
- Continuously adjustable hold open force
- Correct closing sequence guaranteed because inactive leaf must be very near of closed position before active leaf start to close
- Standard installation types on the hinge side and non-hinge side
- Non-hinge side installation needs hook arm G120
- Guide rail height adjustable of 14 mm
- Large range of applications
- Standard colours: silver, white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request



DC700 with G462

Technical attributes

Technical attributes	
Voltage supply	24 V DC
Max. consumption	120 mA
Hinge distance	1250 - 2800 mm
Fire and smoke protection	Yes
Hold open angle hinge side installation	70° - 130°
Hold open angle non-hinge side installation	70° - 120°
Weight	3,1 kg
Height	31 mm
Depth	33 mm
Length	Depends on hinge distance
Certified in compliance with	EN 1155 and EN 1158
CE mark for building products	Yes

Facts for door closer see DC700

The advantages at a glance

Here you can see the individual advantages of our door closer models for your personal field of business.

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors - Modern design - Compact design - Applications where active door leaf or both door leaves need to keep open
Builders & Installers	<ul style="list-style-type: none"> - Adjustable to nearly any door and frame types - Quick and easy installation - Quickly and easily adjustable - Suitable for hinge and non-hinge side installations
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - A single model for all hinge and non-hinge sides
User	<ul style="list-style-type: none"> - Correct closing sequence guaranteed in every situation - Adjustable operating force, to meet door construction requirements and user need

You can find the complete specification on the Internet at:

Specification for G462

ASSA ABLOY guide rail with mechanical coordinator and two electro-mechanical hold open devices for double doors used with DC700 CAM Motion door closers

- Hinge distance 1250 - 2800 mm
- Possible to keep active leaf or both door leaves open
- Hold open angle adjustable between 70° - 130°
- Continuously adjustable hold open force
- Correct closing sequence guaranteed because inactive leaf must be very near of closed position before active leaf start to close
- Standard installation types on the hinge side and non-hinge side
- Non-hinge side installation needs hook arm G120
- Guide rail height adjustable of 14 mm

Accessories:

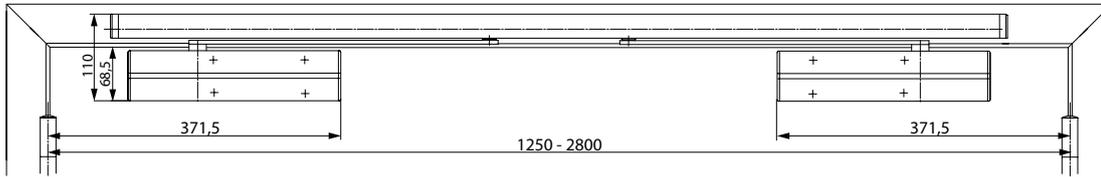
- Mounting plate A115
- Angle bracket A116
- Angle bracket A117
- Hook arm G120 for non-hinge side installations
- Carry bar
- Power supply
- Smoke protection detector
- Flush mounted or surface mounted release button

Colour:

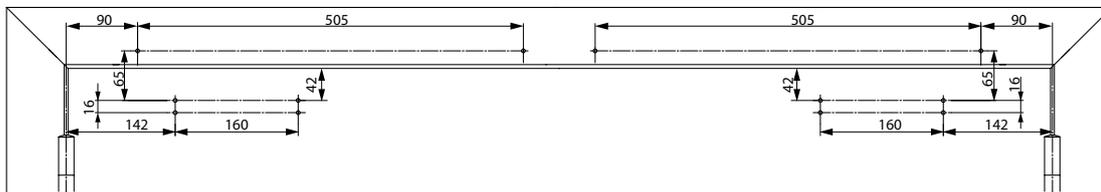
- Silver
- White, similar to RAL9016
- Brown, similar to RAL8015
- Black, similar to RAL9005
- Customized finish

DC700 with G462

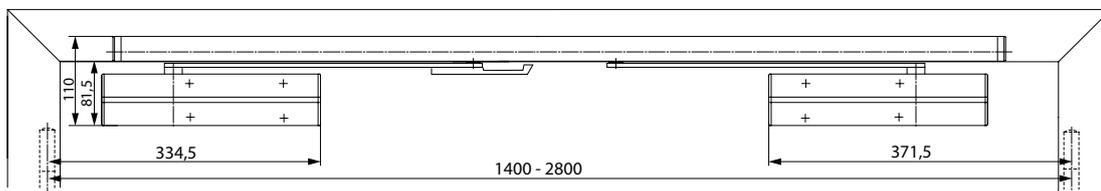
Dimensional drawings



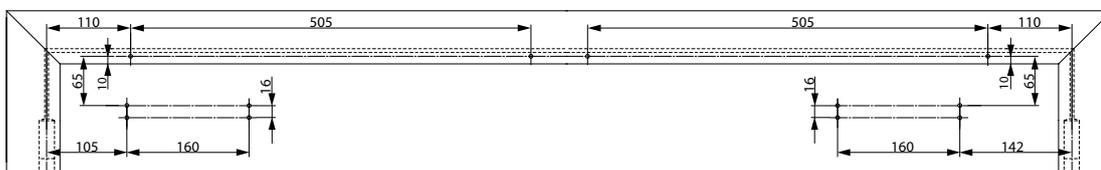
Regular mounting on hinge side
 Right hand door is active leaf
 Left hand door is inactive leaf



Fitting dimensions with mounting plate for standard installation on hinge side
 Right hand door is active leaf
 Left hand door is inactive leaf

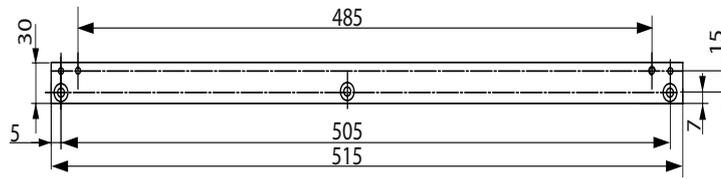
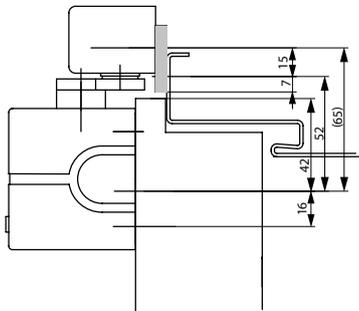


Regular mounting on non-hinge side
 Right hand door is active leaf
 Left hand door is inactive leaf

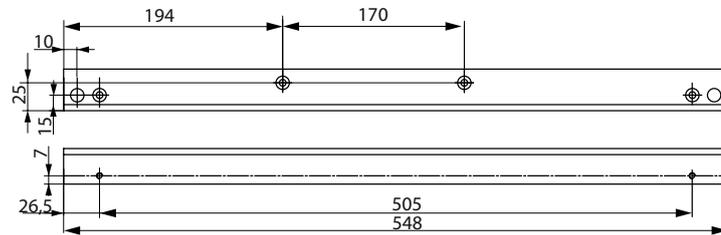
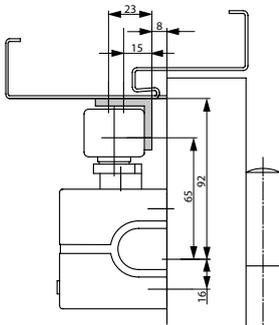


Fitting dimensions with mounting plate for standard installation on non-hinge side
 Right hand door is active leaf
 Left hand door is inactive leaf

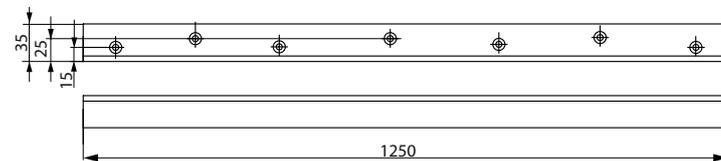
DC700 with G462 Accessories



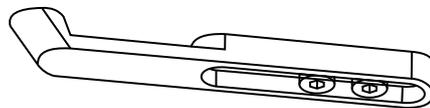
Mounting plate A115
For guide rail G461



Angle bracket A116
For guide rail G461 non-hinge side installations



Angle bracket A117
Middle bracket for guide rail G461 non-hinge side installations



Hook arm G120
For double doors non-hinge side installations

Description	Order no.	Description	Order no.
Guide rail G462 with mechanical co-ordinator and two electro-mechanical hold open devices, silver		Mounting plate A115, silver	
Guide rail G462 with mechanical co-ordinator and two electro-mechanical hold open devices, white, similar to RAL9016		Mounting plate A115, customized finish	
Guide rail G462 with mechanical co-ordinator and two electro-mechanical hold open devices, brown, similar to RAL8014		Angle bracket A116, silver	
Guide rail G462 with mechanical co-ordinator and two electro-mechanical hold open devices, black, similar to RAL 9005		Angle bracket A116, customized finish	
Guide rail G462 with mechanical co-ordinator and two electro-mechanical hold open devices, customized finish		Angle bracket A117, silver	
		Angle bracket A117, customized finish	
		Hook arm G120, silver	
		Hook arm G120, white, similar to RAL9016	
		Hook arm G120, brown, similar to RAL8014	
		Hook arm G120, black, similar to RAL 9005	
		Hook arm G120, customized finish	

DC700 with G464



CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	10					
	0432-BPR-0050	EN1155:1997+A1:2002	3	8	$\frac{6}{3}$	1	1

CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	10					
	0432-BPR-0049	EN1158:1997+A1:2002	3	8	$\frac{6}{3}$	1	1

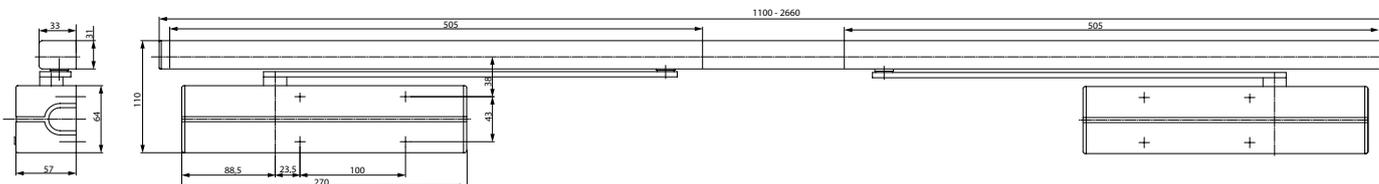
CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	10					
	1162-CPD-0464	EN1154:1996+A1:2002	3	8	$\frac{6}{3}$	1	1

ASSA ABLOY G464

- Door closer with CAM Motion technology and guide rail with integrated mechanical co-ordinator and electro-mechanical hold open device for double doors
- Certified in compliance with EN 1155 and EN 1158, size 3-6
- Operates independently of door closers and offers best possible functions, safety and reliability
- For fire and smoke protection double doors, hinge distance 1250 - 2800 mm

Characteristics G464

- Integrated mechanical co-ordinator with electro-mechanical hold open device
- Possible to keep both door leaves open
- Hold open angle of inactive door leaf adjustable between 70° - 130°
- Continuously adjustable hold open force
- Active door leaf could stay open in any selected angle up to 150° when inactive leaf is opened
- Correct closing sequence guaranteed because inactive leaf must be very near of closed position before active leaf start to close
- Standard installation types on the hinge side and non-hinge side
- Non-hinge side installation needs hook arm G120
- Guide rail height adjustable of 14 mm
- Large range of applications
- Standard colours: silver, white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request



DC700 with G464

Technical attributes

Technical attributes	
Voltage supply	24 V DC
Max. consumption	60 mA
Hinge distance	1250 - 2800 mm
Fire and smoke protection	Yes
Max. opening angle of active leaf (hinge side / non-hinge side)	150° / 120°
Hold open angle of inactive leaf (hinge side / non-hinge side)	70° - 130° / 70° - 120°
Weight	2,9 kg
Height	31 mm
Depth	33 mm
Length	Depends on hinge distance
Certified in compliance with	EN 1155 and EN 1158
CE mark for building products	Yes

Facts for door closer see DC700

The advantages at a glance

Here you can see the individual advantages of our door closer models for your personal field of business.

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors - Modern design - Compact design - Applications where both door leaves need to keep open
Builders & Installers	<ul style="list-style-type: none"> - Adjustable to nearly any door and frame types - Quick and easy installation - Quickly and easily adjustable - Suitable for hinge and non-hinge side installations
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - A single model for all hinge and non-hinge sides
User	<ul style="list-style-type: none"> - Correct closing sequence guaranteed in every situation - Adjustable operating force, to meet door construction requirements and user need

You can find the complete specification on the Internet at:

Specification for G464

ASSA ABLOY guide rail with mechanical co-ordinator and electro-mechanical hold open device for double doors used with DC700 CAM Motion door closers

- Hinge distance 1250 - 2800 mm
- Possible to keep both door leaves open
- Hold open angle of inactive leaf adjustable between 70° - 130°
- Continuously adjustable hold open force
- Active door leaf could stay open in any selected angle up to 150° when inactive leaf is opened
- Correct closing sequence guaranteed because inactive leaf must be very near of closed position before active leaf start to close
- Standard installation types on the hinge side and non-hinge side
- Non-hinge side installation needs hook arm G120
- Guide rail height adjustable of 14 mm
- Large range of applications

Accessories:

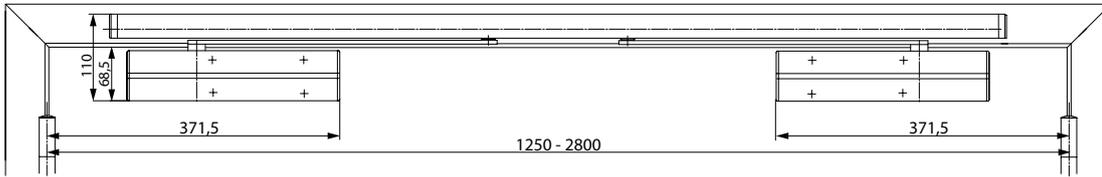
- Mounting plate A115
- Angle bracket A116
- Angle bracket A117
- Hook arm G120 for non-hinge side installations
- Carry bar
- Power supply
- Smoke protection detector
- Flush mounted or surface mounted release button

Colour:

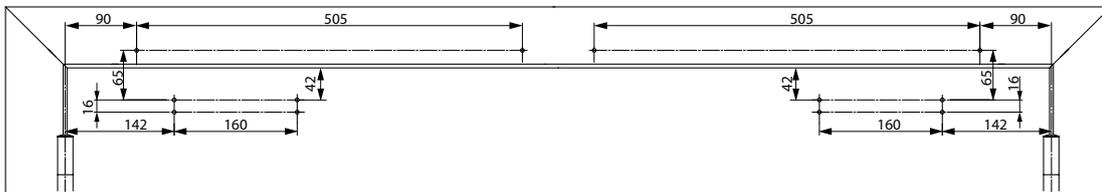
- Silver
- White, similar to RAL9016
- Brown, similar to RAL8015
- Black, similar to RAL9005
- Customized finish

DC700 with G464

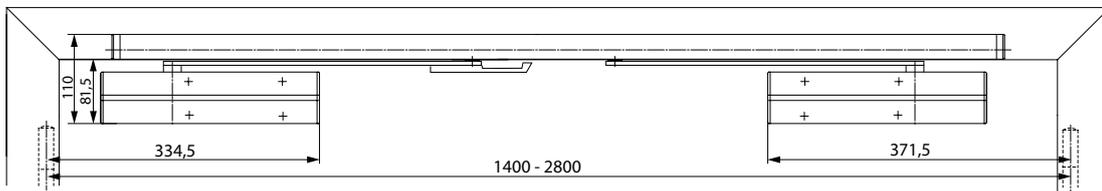
Dimensional drawings



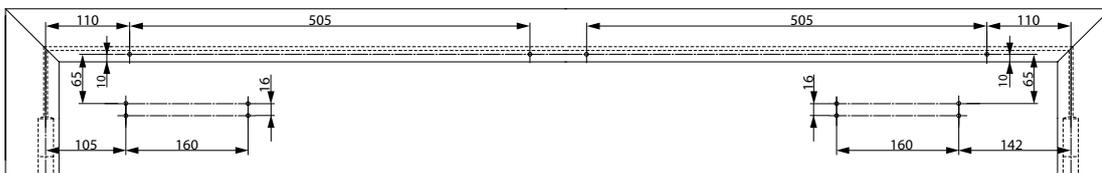
Regular mounting on hinge side
 Right hand door is active leaf
 Left hand door is inactive leaf



Fitting dimensions with mounting plate for standard installation on hinge side
 Right hand door is active leaf
 Left hand door is inactive leaf



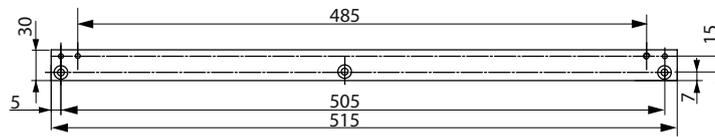
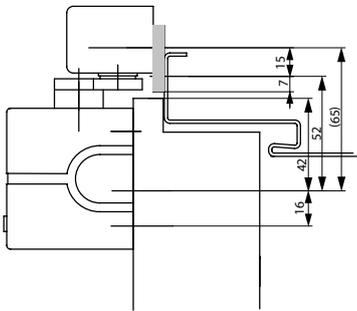
Regular mounting on non-hinge side
 Right hand door is active leaf
 Left hand door is inactive leaf



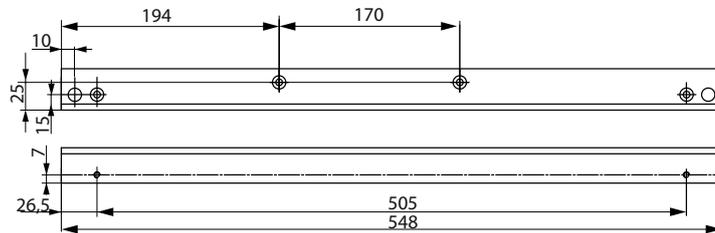
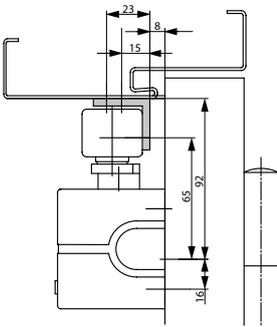
Fitting dimensions with mounting plate for standard installation on hinge side
 Right hand door is active leaf
 Left hand door is inactive leaf

DC700 with G464

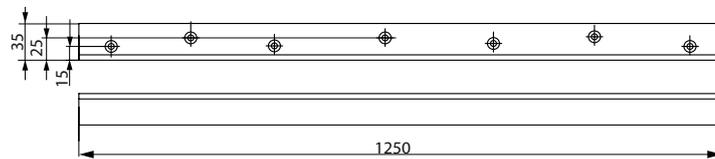
Accessories



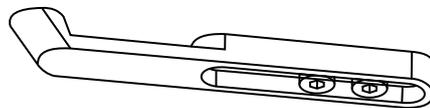
Mounting plate A115
For guide rail G461



Angle bracket A116
For guide rail G461 non-hinge side installations



Angle bracket A117
Middle bracket for guide rail G461 non-hinge side installations



Hook arm G120
For double doors non-hinge side installations

Description	Order no.
Guide rail G464 with mechanical co-ordinator and electro-mechanical hold open device, silver	
Guide rail G464 with mechanical co-ordinator and electro-mechanical hold open device, white, similar to RAL9016	
Guide rail G464 with mechanical co-ordinator and electro-mechanical hold open device, brown, similar to RAL8014	
Guide rail G464 with mechanical co-ordinator and electro-mechanical hold open device, black, similar to RAL 9005	
Guide rail G461 with mechanical co-ordinator and electro-mechanical hold open device, customized finish	

Description	Order no.
Mounting plate A115, silver	
Mounting plate A115, customized finish	
Angle bracket A116, silver	
Angle bracket A116, customized finish	
Angle bracket A117, silver	
Angle bracket A117, customized finish	
Hook arm G120, silver	
Hook arm G120, white, similar to RAL9016	
Hook arm G120, brown, similar to RAL8014	
Hook arm G120, black, similar to RAL 9005	
Hook arm G120, customized finish	

DC860 with G881



ASSA ABLOY G881

- Concealed door closer with CAM Motion technology and guide rail with integrated mechanical co-ordinator for double leaf doors
- Guide rail is certified in compliance with EN 1158, size 3-6
- Closer is certified in compliance with EN 1154, size 1-5
- Operates independently of door closers and offers best possible safety and reliability
- For fire and smoke protection double doors, hinge distance 1350 - 2800 mm

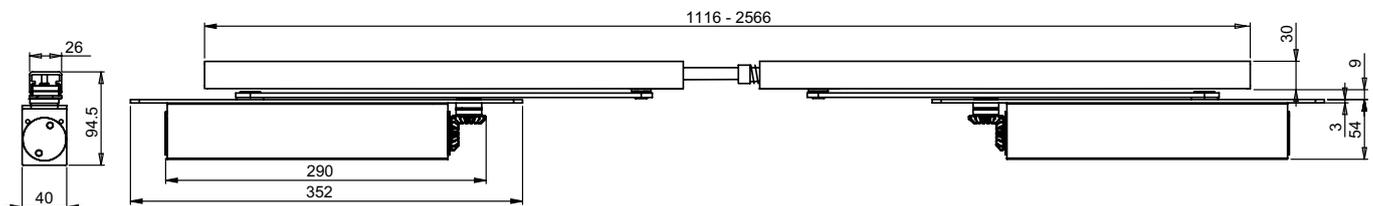
Characteristics G881

- Concealed mechanical door co-ordinator for double doors
- Correct closing sequence guaranteed because inactive leaf must be very near of closed position before active leaf start to close
- Active leaf could stay open in any selected angle up to 120° when inactive leaf is opened
- Large range of applications
- Standard colour: silver
- Customized finishes available on request



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	0432-BPR-0049	EN1158:1997+A1:2002	3	8	6 3	1	1

CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	09					
	0432-CPD-0047	EN1154:1996+A1:2002	3	8	5 1	1	1



DC860 with G881

Technical attributes

Technical attributes	
Hinge distance	1350 - 2800 mm
Fire and smoke protection	Yes
Max. opening angle of active leaf	120°
Max. opening angle of inactive leaf	120°
Weight	2,0 kg
Height	30 mm
Depth	26 mm
Length	Depends on hinge distance
Certified in compliance with	EN 1158
CE mark for building products	Yes

Facts for door closer see DC860

Here you can see the individual advantages of our door closer models for your personal field of business.

The advantages at a glance

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Concealed door closer products prefers esthetic advantages for every solutions - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Compact design, small size - Suitable for steel, wooden and aluminium profile doors
Builders & Installers	<ul style="list-style-type: none"> - Quick and easy installation - Quickly and easily adjustable
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - A single model for all concealed double door solutions
User	<ul style="list-style-type: none"> - Correct closing sequence guaranteed in every situation

You can find the complete specification on the Internet at:

Specification for G881

ASSA ABLOY concealed guide rail with mechanical coordinator for double doors used with DC860 concealed CAM Motion door closers

- Hinge distance 1350 - 2800 mm
- Correct closing sequence guaranteed because inactive leaf must be very near of closed position before active leaf start to close
- Active leaf could stay open in any selected angle up to 120° when inactive leaf is opened
- Large range of applications

Accessories:

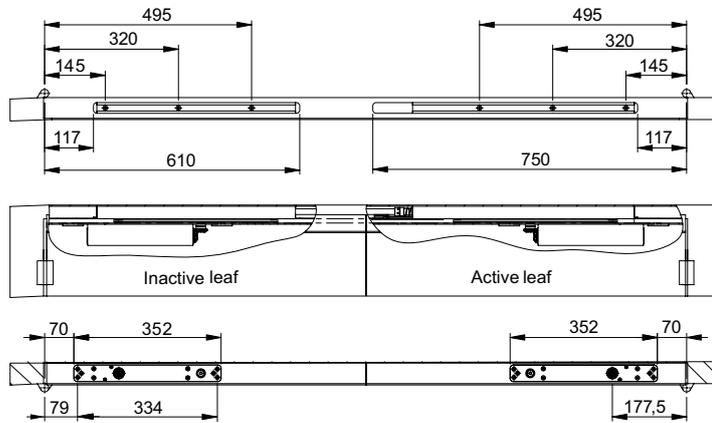
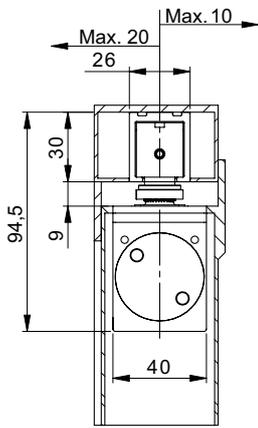
- Carry bar

Colour:

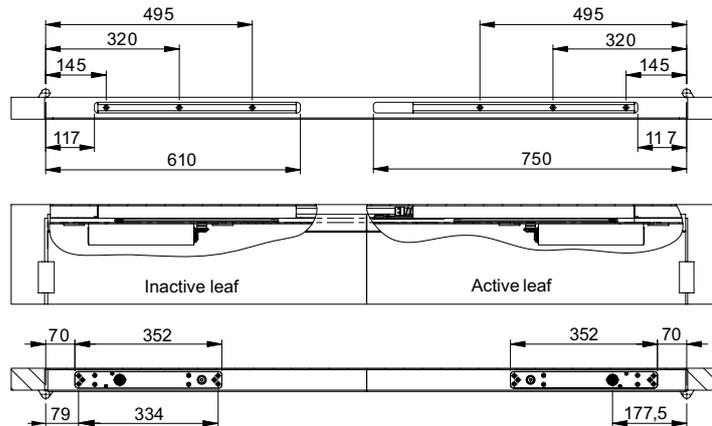
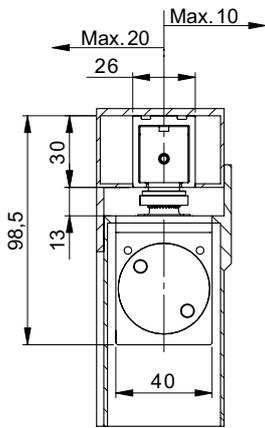
- Silver
- Customized finish

DC860 with G881

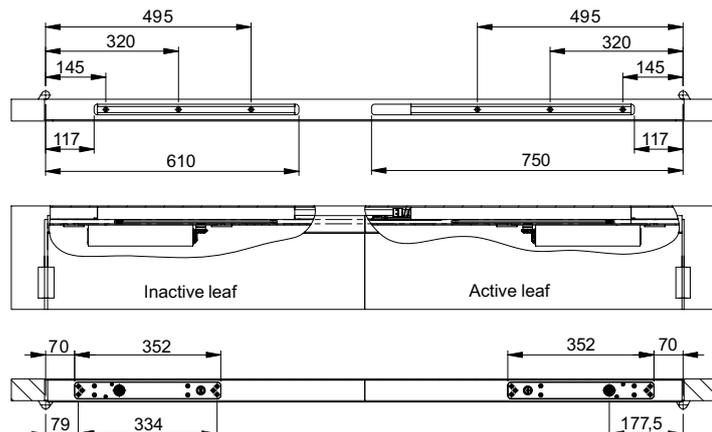
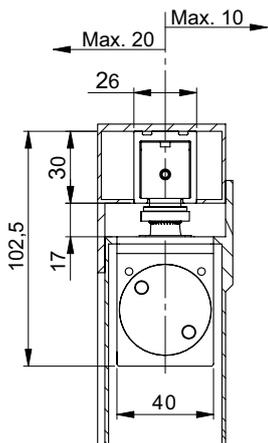
Dimensional drawings



Installation dimension for standard door fitting
 Right hand door is active leaf
 Left hand door is inactive leaf



Installation dimensions with 4 mm spindle extension



Installation dimensions with 8 mm spindle extension

DC860 with G881

Accessories

Description	Order no.
Concealed guide rail G881 with mechanical coordinator, silver	
Concealed guide rail G881 with mechanical coordinator, customized finish	

DC860 with G882



CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	10	
	0432-BPR-0050	EN1155:1997+A1:2002	3 8 $\frac{6}{3}$ 1 1 0

CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	10	
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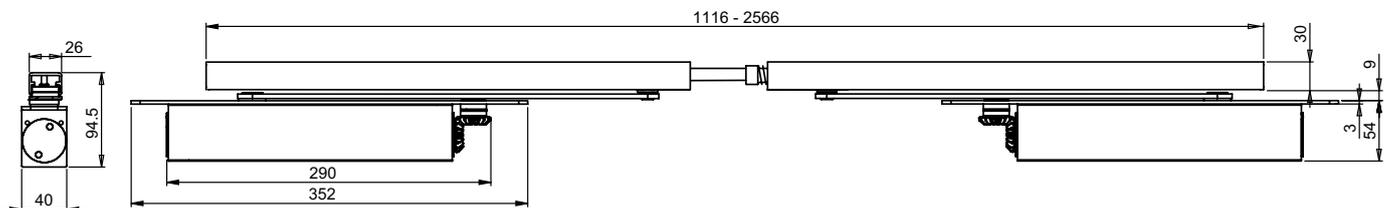
CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	09	
	0432-CPD-0047	EN1154:1996+A1:2002	3 8 $\frac{5}{1}$ 1 1 2

ASSA ABLOY G882

- Concealed door closer with CAM Motion technology and guide rail with integrated mechanical coordinator and two electro-mechanical hold open devices for double leaf doors
- Guide rail is certified in compliance with EN1155 and EN 1158, size 3-6
- Closer is certified in compliance with EN1154, size 1-5
- Operates independently of door closers and offers best possible functions, safety and reliability
- For fire and smoke protection double doors, hinge distance 1350 - 2800 mm

Characteristics G882

- Concealed mechanical co-ordinator with two electro-mechanical hold open devices for double doors
- Possible to keep active leaf or both door leaves open
- Hold open angle adjustable between 70° - 120°
- Continuously adjustable hold open force
- Correct closing sequence guaranteed because inactive leaf must be very near of closed position before active leaf start to close
- Large range of applications
- Standard colour: silver
- Customized finishes available on request



DC860 with G882

Technical attributes

Technical attributes	
Voltage supply	24 V DC
Max. consumption	120 mA
Hinge distance	1350 - 2800 mm
Fire and smoke protection	Yes
Hold open angle of active leaf	70 - 120°
Hold open angle of inactive leaf	70 - 120°
Weight	2,2 kg
Height	30 mm
Depth	26 mm
Length	Depends on hinge distance
Certified in compliance with	EN 1155 and EN 1158
CE mark for building products	Yes

Facts for door closer see DC860

Here you can see the individual advantages of our door closer models for your personal field of business.

The advantages at a glance

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Concealed door closer products prefers esthetic advantages for every solutions - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Compact design, small size - Suitable for steel, wooden and aluminium profile doors
Builders & Installers	<ul style="list-style-type: none"> - Quick and easy installation - Quickly and easily adjustable
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - A single model for all concealed double door solutions
User	<ul style="list-style-type: none"> - Correct closing sequence guaranteed in every situation - Adjustable operating force, to meet door construction requirements and user need

You can find the complete specification on the Internet at:

Specification for G882

ASSA ABLOY concealed guide rail with mechanical coordinator and two electro-mechanical hold open devices for double doors used with DC860 concealed CAM Motion door closers

- Hinge distance 1350 - 2800 mm
- Possible to keep active leaf or both door leaves open
- Hold open angle adjustable between 70° - 120°
- Continuously adjustable hold open force
- Correct closing sequence guaranteed because inactive leaf must be very near of closed position before active leaf start to close
- Large range of applications

Accessories:

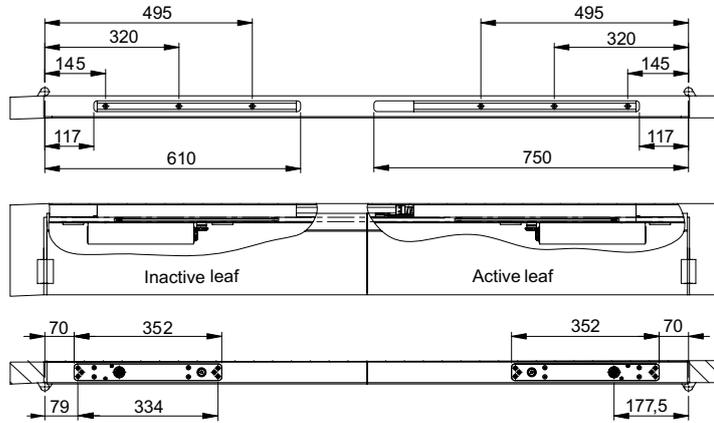
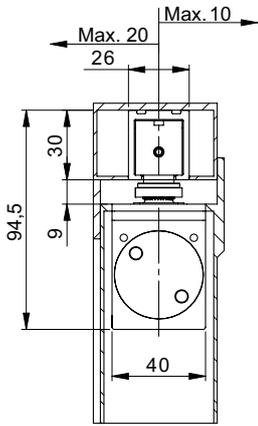
- Carry bar
- Power supply
- Smoke protection detector
- Flush mounted or surface mounted release button

Colour:

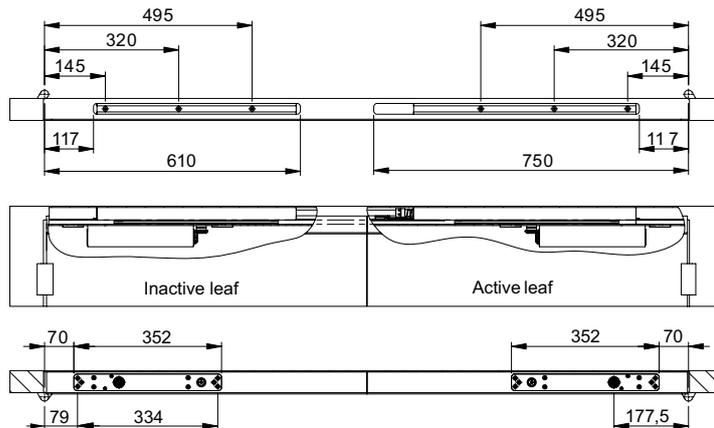
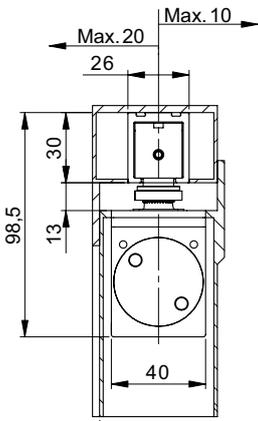
- Silver
- Customized finish

DC860 with G882

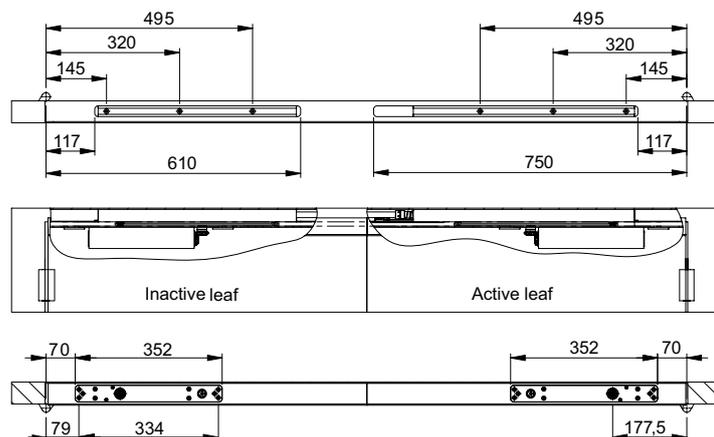
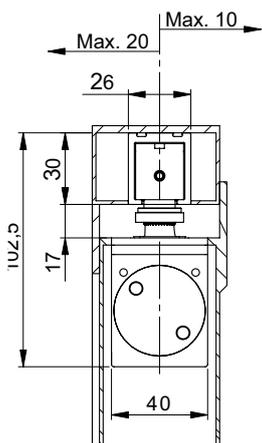
Dimensional drawings



Installation dimension for standard door fitting
 Right hand door is active leaf
 Left hand door is inactive leaf



Installation dimensions with 4 mm spindle extension



Installation dimensions with 8 mm spindle extension

DC860 with G882

Accessories

Description	Order no.
Concealed guide rail G882 with mechanical coordinator and two electro-mechanical hold open devices, silver	
Concealed guide rail G882 with mechanical coordinator and two electro-mechanical hold open devices, customized finish	

DC860 with G884



CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	10					
	0432-BPR-0050	EN1155:1997+A1:2002	3	8	6 3	1	1

CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	10					
	0432-BPR-0049	EN1158:1997+A1:2002	3	8	6 3	1	1

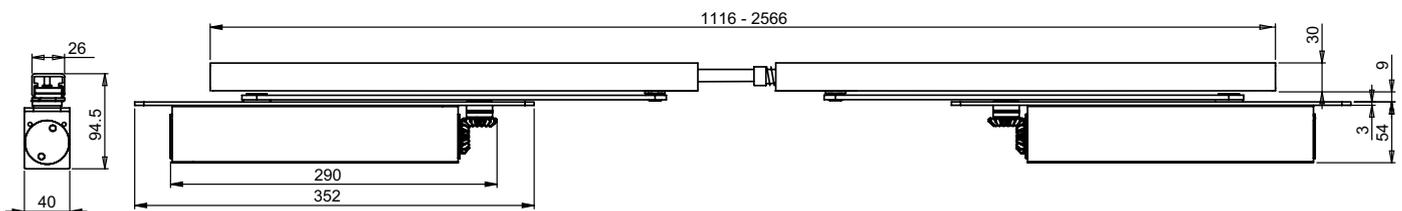
CE	Abloy Oy PO Box 108 80101 Joensuu, Finland	09					
	0432-CPD-0047	EN1154:1996+A1:2002	3	8	5 1	1	1

ASSA ABLOY G884

- Concealed door closer with CAM Motion technology and guide rail with integrated mechanical co-ordinator and electro-mechanical hold open device for double leaf doors
- Guide rail is certified in compliance with EN1155 and EN 1158, size 3-6
- Closer is certified in compliance with EN1154, size 1-5
- Operates independently of door closers and offers best possible functions, safety and reliability
- For fire and smoke protection double doors, hinge distance 1350 - 2800 mm

Characteristics G884

- Concealed mechanical co-ordinator with electro-mechanical hold open device for double doors
- Possible to keep both door leaves open by using only one electro-mechanical hold open device
- Hold open angle of inactive door leaf adjustable between 70° - 120°
- Continuously adjustable hold open force
- Active door leaf could stay open in any selected angle up to 120° when inactive leaf is opened
- Correct closing sequence guaranteed because inactive leaf must be very near of closed position before active leaf start to close
- Large range of applications
- Standard colour: silver
- Customized finishes available on request



DC860 with G884

Technical attributes

Technical attributes	
Voltage supply	24 V DC
Max. consumption	60 mA
Hinge distance	1350 - 2800 mm
Fire and smoke protection	Yes
Opening angle on active leaf	up to 120°
Hold open angle of inactive leaf	70° - 120°
Weight	2,1 kg
Height	30 mm
Depth	26 mm
Length	Depends on hinge distance
Certified in compliance with	EN 1155 and EN 1158
CE mark for building products	Yes

Facts for door closer see DC860

Here you can see the individual advantages of our door closer models for your personal field of business.

The advantages at a glance

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Concealed door closer products prefers esthetic advantages for every solutions - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Compact design, small size - Suitable for steel, wooden and aluminium profile doors
Builders & Installers	<ul style="list-style-type: none"> - Quick and easy installation - Quickly and easily adjustable
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for all fitting applications - A single model for all concealed double door solutions
User	<ul style="list-style-type: none"> - Correct closing sequence guaranteed in every situation - Adjustable operating force, to meet door construction requirements and user need

You can find the complete specification on the Internet at:

Specification for G884

ASSA ABLOY concealed guide rail with mechanical coordinator and electro-mechanical hold open device for double doors used with DC860 concealed CAM Motion door closers

- Hinge distance 1350 - 2800 mm
- Possible to keep both door leaves open
- Hold open angle of inactive leaf adjustable between 70° - 120°
- Continuously adjustable hold open force
- Active leaf could stay open in any selected angle up to 120° when inactive leaf is opened
- Correct closing sequence guaranteed because inactive leaf must be very near of closed position before active leaf start to close
- Large range of applications

Accessories:

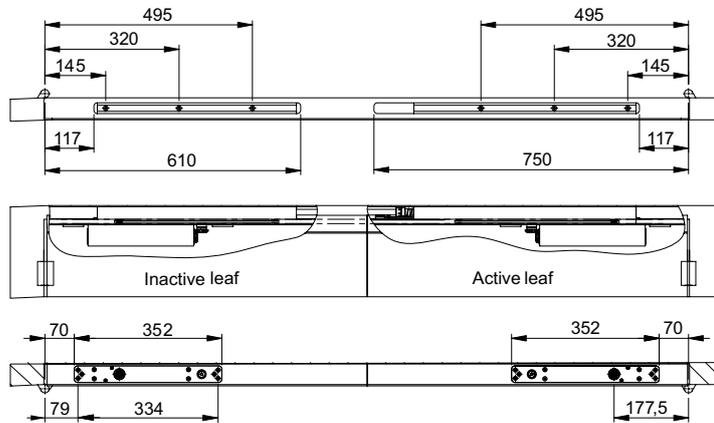
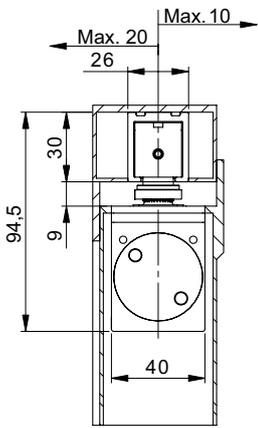
- Carry bar
- Power supply
- Smoke protection detector
- Flush mounted or surface mounted release button

Colour:

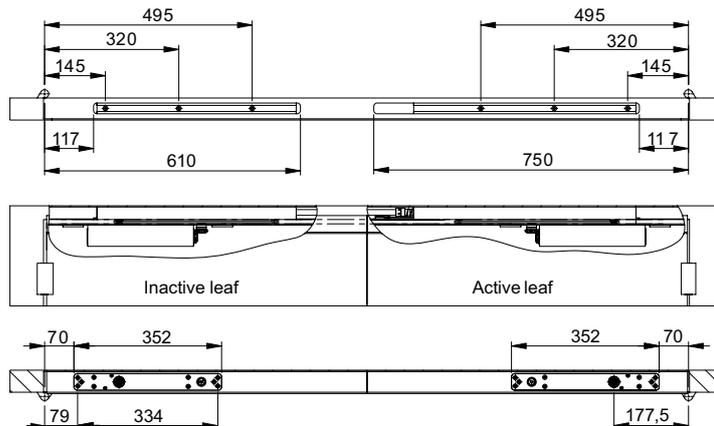
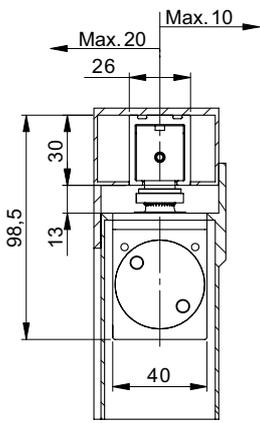
- Silver
- Customized finish

DC860 with G884

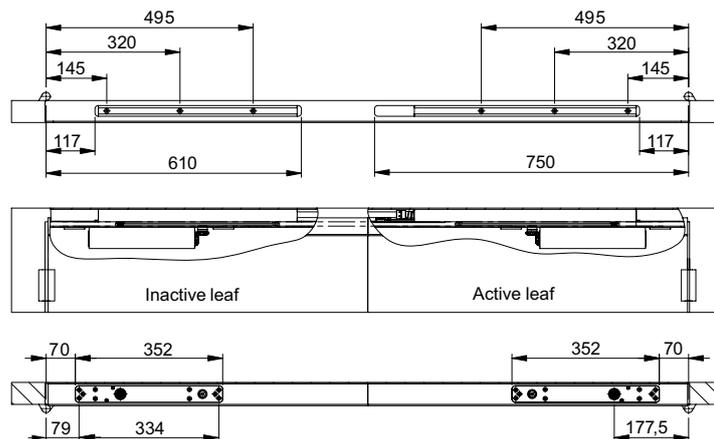
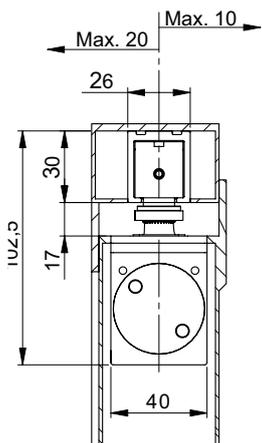
Dimensional drawings



Installation dimension
for standard door fitting
Right hand door is active
leaf
Left hand door is inactive
leaf



Installation dimensions
with 4 mm spindle
extension



Installation dimensions
with 8 mm spindle exten-
sion

DC860 with G884

Accessories

Description	Order no.
Concealed guide rail G884 with mechanical co-ordinator and electro-mechanical hold open device, silver	
Concealed guide rail G884 with mechanical coordinator and electro-mechanical hold open device, customized finish	

DA930



ASSA ABLOY DA930

- Electro-mechanical swing door operator with guide rail G193 or G195
- Suitable for internal, non-fire doors
- For single action doors up to 1100 mm wide and 80 kg weight

Characteristics DC930

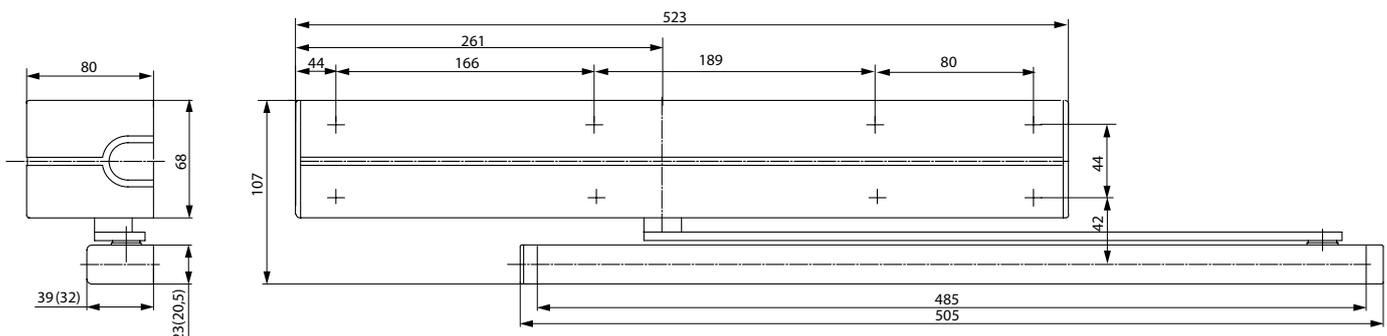
- For Left and Right hand doors
- Adjustable door speed and hold open time
- "Push&Go" function as standard
- Closing force selectable according to door weight
- Closing pull before as selectable function
- Opening angle up to 110°
- Silent operation
- Built-in safety functions
- Guide rail height-adjustable up to 14 mm
- Can be used with or without mounting plate
- Large range of internal door applications
- Standard colour: silver
- Customized finishes available on request

Characteristics of Guide rail G195

- Height-adjustable by 2 mm for tolerance
- Concealed fastening screws
- Installation dimensions: see diagram

Characteristics of Guide rail G193

- Without protective cover
- Visible fastening screws
- Installation dimensions: see diagram (dimensions in bracket)



DA930

Technical attributes

Technical attributes	
Class of protection	IP20
Voltage supply	110-230 VAC
Secondary voltage supply	24 VDC, 2 A
Voltage for external impulse devices and locks	24 VDC, 0.5 A
Door widths up to	1100 mm
Max door weight (1 m wide door)	80 kg
Fire and smoke protection	No
Door swing direction	Left / Right hand door
Opening angle hinge side	110°
Opening angle non-hinge side	90°
Hold open time	Adjustable between 0 - 60 sec
Weight	3.1 kg
Height	68 mm
Depth	80 mm
Length	523 mm
Certified in compliance with	Electrical safety, low voltage directive 73/23/EEC, EMC directive 89/336/EEC

The advantages at a glance

Here you can see the individual advantages of our door closer models for your personal field of business.

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - For internal non-fire door applications, e.g. nursing homes, offices and residential buildings - Modern design - Compact design - Comprehensive functions
Builders & Installers	<ul style="list-style-type: none"> - Adjustable to nearly all door and frame types - Quick and easy installation and commissioning - Quickly and easily adjustable - Suitable for Left and Right hand doors, in both door and frame mounted applications
Trade	<ul style="list-style-type: none"> - One single product suitable for all fitting applications - Complimentary accessories available
User	<ul style="list-style-type: none"> - Offers easy access through many kind of internal doors - Optimized door functions - Silent operation

You can find the complete specifications on the Internet at:

Specifications for DA930

ASSA ABLOY Door Operator DA930 with guide rail G193 or G195

- For Left and Right hand doors
- Adjustable door speed and hold open time
- "Push&Go" function as standard
- Closing force selectable according door weight
- Closing pull before opening as selectable function
- Opening angle up to 110°
- Silent operation
- Built-in safety functions
- Guide rail height-adjustable up to 14 mm
- Can be used with or without mounting plate
- Large range of internal door applications

Accessories:

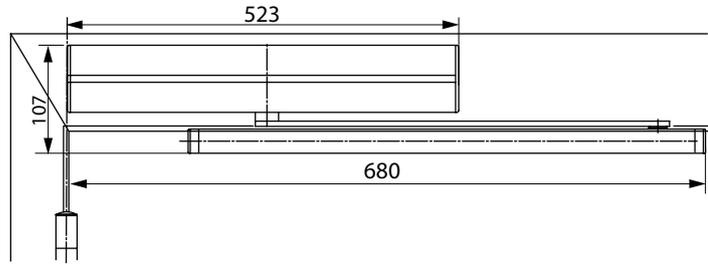
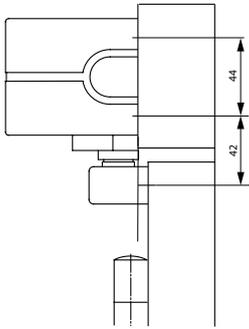
- Standard guide rail G193
- Height-adjustable guide rail G195
- Mounting plate
- Microwave radar
- Safety sensor
- Microwave switch
- Elbow switch

Colour:

- Silver
- Customized finish

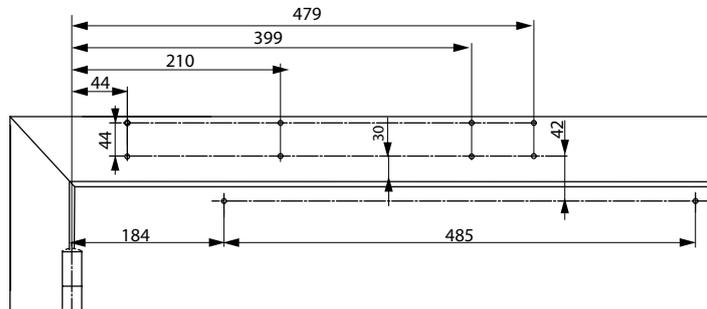
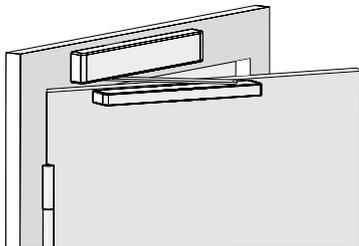
DA930

Dimensional drawings



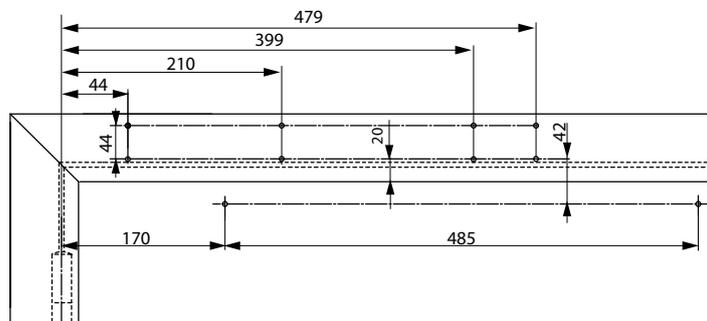
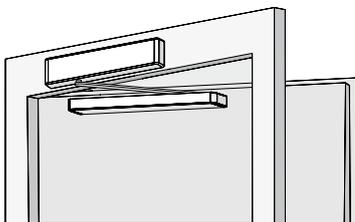
Regular frame mounting

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



Frame mounting

Operator on hinge side of door frame
Left hand door shown in diagram
Right hand door is the reverse

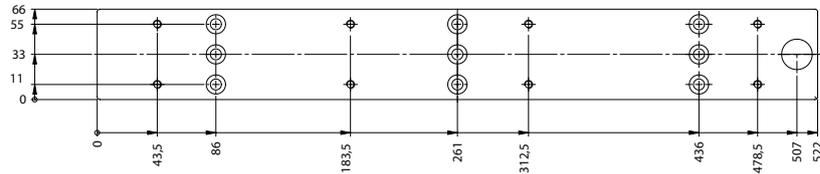


Frame mounting

Operator on non-hinge side of door frame
Right hand door shown in diagram
Left hand door is the reverse

DA930

Accessories



Mounting plate A105
Mounting plate for operator fixing

Description	Order no
Swing door operator DA930, silver	
Swing door operator DA930, customized finish	
Guide rail G193, silver	
Guide rail G193, customized finish	
Guide rail G195, silver	
Guide rail G195, customized finish	
Mounting plate A105, black, similar to RAL9005	

DA960



ASSA ABLOY DA960

- Electro-hydraulic swing door operator with link arm L147 or guide rail G149
- Suitable for internal and external fire and smoke protection doors
- Closing force with link arm EN size 3-6 and with guide rail EN size 1-4

Characteristics DA960

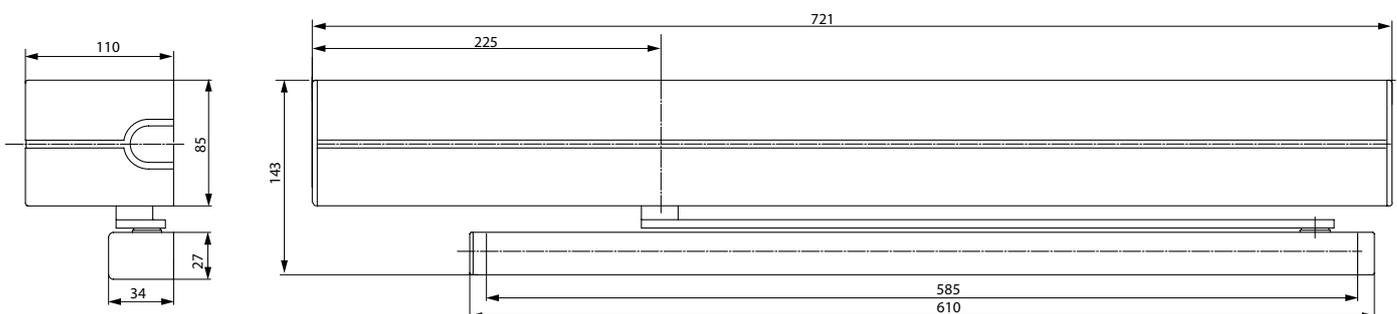
- For Left and Right hand doors
- The operator uses a motor to open the door, when closing it acts as a regular door closer
- Adjustable door opening and closing speed
- Adjustable hold open time
- Variable adjustable closing force
- Closing pull before opening as selectable function
- "Push&Go" function as standard
- Three mode program switch (AUTO/MAN/OPEN)
- Built-in safety functions
- Mounting plate included in the package
- Standard colour: silver
- Customized finishes available on request

Characteristics of Link arm L147

- Only for non-hinge side installations
- Closing force EN size 3-6
- For single doors up to 1400 mm wide
- Max door weight 125 kg
- Installation dimensions: see diagram

Characteristics of Guide rail G149

- For hinge and non-hinge side installations
- Closing force EN size 1-4
- For single doors up to 1100 mm wide
- Max door weight 80 kg



DA960

Technical attributes

Technical attributes	
Class of protection	IP20
Voltage supply	110 / 230 VAC
Secondary voltage supply	24 VDC, 5A
Voltage for external impulse devices and locks	24 VDC, 0.5 A
Door widths up to (link arm / guide rail)	1400 mm / 1100 mm
Max door weight (link arm / guide rail)	125 kg / 80 kg
Fire and smoke protection	Yes
Door swing direction	Left / Right hand door
Hold open time	Adjustable between 0 - 60 sec
Opening angle with link arm	110°
Opening angle with guide rail	100°
Weight	9 kg
Height	85 mm
Depth	110 mm
Length	720 mm
Certified in compliance with	Electrical safety, Low voltage directive 2006/95/EC, EMC directive 2004/108/EC

The advantages at a glance

Here you can see the individual advantages of our door closer models for your personal field of business.

Customer segment	Advantages
Architects & Specifiers	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard internal and external doors - Modern design - Compact design - Comprehensive functions
Builders & Installers	<ul style="list-style-type: none"> - Adjustable to nearly all door and frame types - Quick and easy installation and commissioning - Quickly and easily adjustable - Suitable for Left and Right hand doors
Trade	<ul style="list-style-type: none"> - Complimentary accessories available
User	<ul style="list-style-type: none"> - Offers easy access through many kind of doors - Optimized door functions - Closes door in any circumstances because of integrated door closer

You can find the complete specifications on the Internet at:

Specifications for DA960

ASSA ABLOY Door Operator DA960 with link arm L147 or guide rail G149

- For Left and Right hand doors
- The operator uses a motor to open the door, when closing it acts as a regular door closer
- Adjustable door opening and closing speed
- Adjustable hold open time
- Variable adjustable closing force
- Closing pull before opening as selectable function
- "Push&Go" function as standard
- Three mode program switch (AUTO/MAN/OPEN)
- Built-in safety functions
- Arm height extensions 10 mm and 20 mm
- Large range of door applications

Accessories:

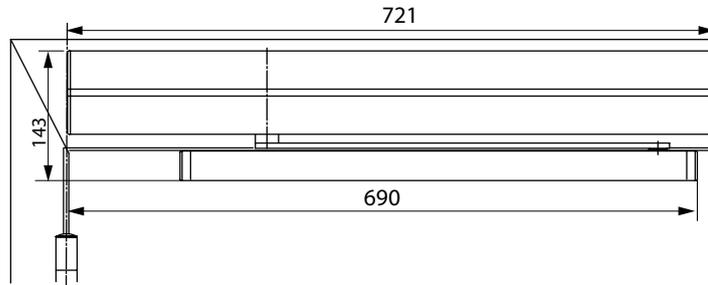
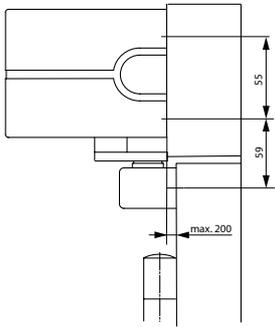
- Link arm L147
- Guide rail G149
- Extension piece A150/01 (10 mm)
- Extension piece A150/02 (20 mm)
- Microwave radar
- Safety sensor
- Microwave switch
- Elbow switch

Colour:

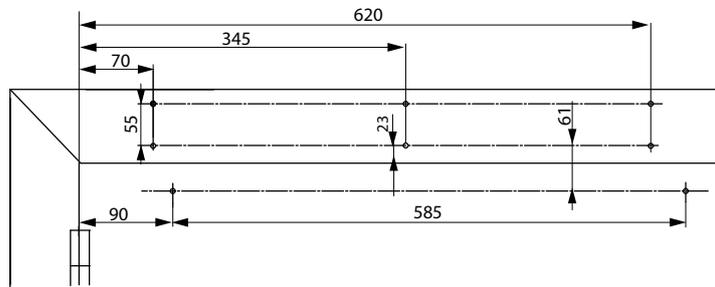
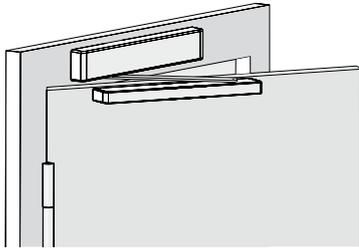
- Silver
- Customized finish

DA960

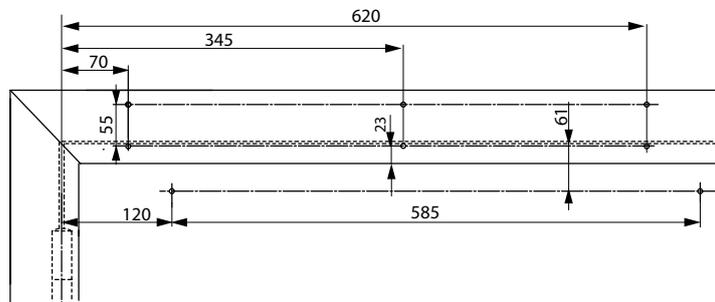
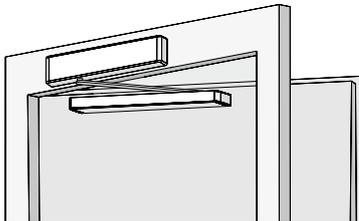
Dimensional drawings



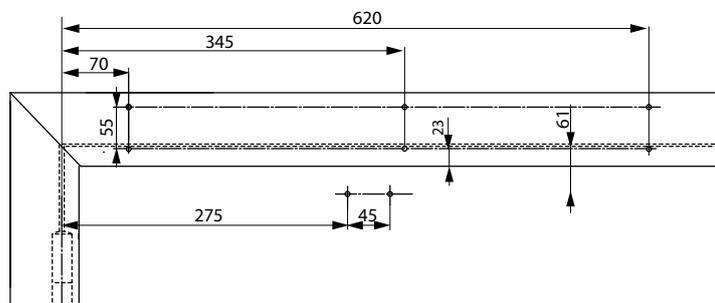
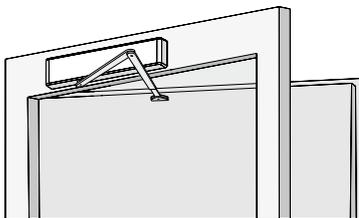
Regular hinge side mounting with guide rail G149
Left hand door shown in diagram
Right hand door is the reverse



Hinge side mounting with guide rail G149
Operator on hinge side of door frame
Left hand door shown in diagram
Right hand door is the reverse



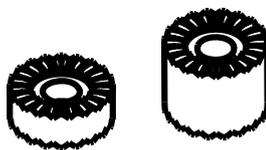
Non-hinge side installation with guide rail G149
Operator on non-hinge side of door frame
Right hand door shown in diagram
Left hand door is the reverse



Non-hinge side mounting with link arm L147
Right hand door shown in diagram
Left hand door is the reverse

DA960

Accessories



Extension pieces

Even 10 mm or 20 mm extension pieces available with DA960 operator

Description	Order no
Swing door operator DA960, hinge side installation, silver	
Swing door operator DA960, non-hinge side installation, silver	
Swing door operator DA960, hinge side installation, customized finish	
Swing door operator DA960, non-hinge side installation, customized finish	
Link arm L147, silver	
Link arm L147, customized finish	
Guide rail G149, silver	
Guide rail G149, customized finish	
10 mm extension piece A150/01	
20 mm extension piece A150/02	

Our Products

Quality, Know-how and Innovation



SmartAir - an electronic handle set

SMARTAIR, an access control system that incorporates lever handles and entry cards, was a good choice to fit the retirement home's needs.

SMARTAIR can be activated on the room-side of the door so the occupant can get out when they want. On the other side, the clutch is activated by a contactless smartcard using RFID technology / MIFARE protocol.

Managing the system is more flexible than with a traditional key control plan as the card can be configured according to time slots, depending on whether or not the care staff are authorized to enter freely.



Tesa panic exit devices

Public buildings and most industrial, official and commercial buildings are generally confronted to two main problems: safety and security.

TESA offers several solutions for emergency exit equipment, allowing for secure and efficient evacuations in panic or emergency situations.

TESA's product range has been certified by independent labs that meet the requirements established by the European Standard.

Personal safety and security of goods are two main goals at the stage of development and manufacturing,

looking for a stable process that guarantees a secure, controlled product.

The employed materials meet the requirements that are usually demanded from these exit panic devices. One design requirement is that doors must be easily open with the minimum effort (children, elderly or disabled people...) and with no previous knowledge of the device. It will not be necessary to use a key or any other objects.



MEDIATOR

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

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

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

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

MEDIATOR can do much more than this, however.

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

This means everyone can leave the building in the event of an emergency, whether they have a key or not.

Apartment block entrance doors can be retrofitted with MEDIATOR quickly and easily at a very reasonable price.



ASSA mechanical locking cylinders

ASSA security pyramid shows 4 different security levels where not only the physical product is important. Handling, services and distribution of both materials and occurring codes can in different combinations give a higher security all based on your needs! The ASSA Security pyramid offers you the choice of right level of key control. Key control in a Master key system depending on what is to be protected. The level of key control and functionality decide the security of the locking unit and Master key system.

Absolute

The key control in security level Absolute means that there always is a registered authorization contract complemented with an object adapted secrecy contract

between the system owner and a selected and certified ASSA Service station.

Exclusive

An approved and registered authorization contract is needed when reordering keys. The keys can be authorization controlled Off-line at the same time as occurrences are noted.

Selected

Master key systems can be projected with a combination of two different classes of security high and medium.

Limited

Mechanical cylinders at Limited level are used where the mechanics satisfy the needs of the operation and when there is no demand on contract and key control.



ASSA max Cliq - Simple and Intelligent Security

ASSA max CLIQ is an electromechanical cylinder that provides a solution customised to meet your needs, whether at the office or at home. ASSA max CLIQ cylinders can be combined with mechanical dp cylinders. This enables us to create the best possible solution from both a security and cost perspective – all with just one single key.

With all the technology available nowadays, software is often required to control the product. ASSA max CLIQ, however, is a programmable product that enables the user to control access authorization without software.

All programming is handled with simple operations via a programming key that simply and clearly communicates with the user.

ASSA max CLIQ cylinder simply replaces the existing cylinder in the door. No wiring is needed since the electronics are integrated in the cylinder and key. The ASSA max CLIQ cylinder can be installed in any type of door.



Electric strikes

With electric strikes, you can unlock a door at the push of a button – without needing to go to the actual door yourself.

effeff electric strikes offer high standards of security and convenience and a suitable electric strike for every installation location. This we can guarantee worldwide as effeff takes into consideration both national and international rules and regulations.

effeff wins over with its certified and security electric strikes due to its sophisticated solutions for smoke protection doors, fire protection doors and doors along escape routes. Our wide range for high security areas

provides solutions for glass doors, sliding doors and clean room doors as well as for explosive areas or seal door systems.

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

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

ASSA ABLOY

ASSA ABLOY Sicherheitstechnik GmbH is the professional partner worldwide in mechanical and electromechanical security solutions for safety, security and convenience in buildings.

The company develops, produces and markets high-quality products and multi-purpose systems under the established IKON and effeff brand names for the private, commercial and public sectors.

ASSA ABLOY is the world's leading manufacturer and supplier of door opening solutions, meeting tough enduser demands for safety, security and convenience. With over 32,000 employees, the Group achieves sales of over EUR 3.5 billion.

We reserve the right to make technical modifications. 2.1901-136 XXX 00

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