Door Closers
Technical Information
Unlock your life.

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

In the UK the company develops, produces and markets high-quality products and a wide range of architectural hardware solutions for the commercial and public sector under ASSA ABLOY Security Solutions.

ASSA ABLOY is considered a highly competent and reliable partner by its clients due to its comprehensive know-how, state-of-the-art technology, creative ideas and innovative production processes.

Besides comprehensive architectural hardware solutions, ASSA ABLOY Security Solutions also offers its customers a wide range of services, expert guidance and solution concepts for individual requirements and special applications.

Come closer!

Door closers from ASSA ABLOY

For diverse applications ASSA ABLOY door closers are suitable for a wide range of applications from private to commercial and public sectors, and for doors light and heavy. Their modular configuration simplifies planning, whilst the simple assembly features and intelligent adjustments make for easy installation. This series of door closers is a collective development by the ASSA ABLOY Group and offers a coordinated design across a broad product range including rack and pinion, CAM-motion and electro hydraulic door closer solutions. The uniform design gives rooms and buildings a consistent aesthetic appeal, and is available in a wide range of RAL colours.

Door closers from ASSA ABLOY – an overview of the benefits

- Consistent aesthetic design throughout the range
- Fully concealed mounting plate options for all models
- CAM-motion technology available, offering easy opening forces for improved accessibility across all installation applications
- Height-adjustable pinion system
- Height-adjustable guide rail option
- Adjustable backcheck facility
- Thermodynamic hydraulic fluid for consistent closing speeds in the event of extreme temperature fluctuations
- Adjustable electromechanical hold open facility options
- Integral smoke detector option, concealed within the guide rail
- Wide range of accessories available to suite frame / door application

One for all, all in one.

Every ASSA ABLOY door closer can be mounted on the hinge or non-hinge side of the door making them suitable for any door application, thereby considerably reducing effort in planning and procurement. The fixing application therefore need not be factored into the scheduling process as it can quickly be changed on the door at short notice, facilitating flexible planning.
ASSA ABLOY’s modular system enables CAM-motion door closers to be combined with various guide rails for virtually any application. Guide rail door closers harmonise with the door’s appearance and offer a wide range of possibilities to planners and architects. Additionally, guide rail door closers have less projection and are close-fitting to the door and frame reducing the risk of abuse or misuse. With ASSA ABLOY, low opening forces and guide rail door closers do not conflict. CAM-motion technology reduces counter-pressure when opening the door, making it considerably easier to handle in comparison with conventional guide rail door closers.

**Guide rail door closers**

ASSA ABLOY CAM-motion door closers are highly flexible and offer a high degree of convenience.
ASSA ABLOY’s door closers and their benefits at a glance

Installation and adjustments made easy
Installation tolerances can be compensated for without special components thanks to the height adjustable pinion system. Height compensation of up to 14mm covers most construction situations permitting the arm height to be adjusted quickly and easily. Precise closing functions can then be set up.

A door is also exposed to varying stresses and strains on a daily basis: operation by its users, temperature fluctuations, air humidity etc., all have an impact. As a result, the hinge can sometimes wear causing the door to drop slightly which can impact on the door’s performance. Door closers from ASSA ABLOY can easily be adjusted to compensate for this and other changes to the door after initial installation.

Safety and comfort guaranteed
With ASSA ABLOY door closers, accessibility and fire door requirements need not conflict. CAM-motion door closers are suitable for use on internal and external doors with the DC700 being particularly suited for doors exposed to heavy use or high wind pressure. They are appropriate for use in buildings housing elderly, young or disabled people because of the ultra-low opening forces they provide. When fitted to suitable doorsets, the door closers, due to the ease of accessibility, will assist in fulfilling duties required under the Equality Act (EA), specifically BS 8300 and Approved Document M (ADM) of the Building Regulations. ASSA ABLOY door closers make high frequency doors comfortable and easy to pass through, in schools, hospitals, retirement homes, public buildings and offices.

Safety in case of emergency
Smoke and fire protection doors may only be equipped with door closer systems which have been approved to EN 1154, EN 1155 and/or EN 1158 and CE marked accordingly. You’ll be safe with ASSA ABLOY, as our door closers meet national and international regulatory standards.

DC200A Rack & Pinion

Technical attributes
- Variable adjustable closing force: EN2 - 4
- Door width/spin: 1100mm
- Fire and smoke protection: Yes
- Door swing direction: Left/Right hand door
- Closing speed: Variable between 15° - 60°
- Latching speed: Variable between 15° - 60°
- Backcheck: Adjustable 15°-150°, can be enabled and disabled
- Weight: 2.2 kg
- Height: 80 mm
- Depth: 47 mm
- Length: 223 mm
- Certified in compliance with EN 1154
- CE marking for building products: Yes

The advantages at a glance

Customer segment | Advantages
--- | ---
Architects & Specifiers | - 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

Builders & Installers | - One drilling template overall
- Adjustable to nearly all door and frame types
- Quick and easy installation
- Quick and easy adjustable
- Suitable for left and right hand doors, in both door and frame mounted applications

Trade | - 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 | - Largely unaffected by temperature fluctuations thanks to thermodynamic valves
- Backcheck feature offers optimum protection for doors and walls

Specification for DC200A
ASSA ABLOY Door Closer DC200A featuring rack and pinion technology in compliance with EN 1154
- Supplied with link arm L190 and parallel arm bracket 154
- 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
- Available with integrated concealed mounting plate
- CE marked
- 14 mm height adjustable arm system for ease of fitting
- Suitable for Left and Right hand doors

Accessories:
- Hold open link arm L191
- Mounting plate A120
- Angle bracket A122

Colour:
- Silver
- White, similar to RAL9016
- Brown, similar to RAL8014
- Black, similar to RAL9005
- Custom finishes available

You can find the full specifications on the internet at: www.assaabloy.co.uk
DC300A Technical attributes

- Variable adjustable closing force
- Door widths up to 1400 mm
- Fire and smoke protection
- Standard frame installation
- Closing speed adjustable from front facing regulator valves
- CE marking for building products
- Certification in compliance with EN 1154
- Suitable for Left and Right hand doors
- Adjustable to nearly all door and frame types
- Same dimensions and design with and without mounting plate
- Comprehensive functions
- Same dimensions and design with and without mounting plate
- Compact design
- Modern design

Accessories:
- Hold open link arm L191
- Mounting plate A120
- Angle bracket A122
- Colour: silver, white, similar to RAL9016
- Black, similar to RAL8014
- Custom finishes available

Specifications for DC300A Rack & Pinion

ASSA ABLOY Door Closer DC300A featuring rack and pinion technology in compliance with EN 1154

- Supplied with link arm L190 and parallel arm bracket A154 closing power adjustable, EN size 3 - 6, for doors up to 1400 mm wide
- Closing speed, latch speed and backcheck adjustable from front facing regulator valves
- Available with integrated concealed mounting plate
- CE marked
- 14 mm height adjustable arm system for ease of fitting
- Suitable for Left and Right hand doors

Technical attributes

- Variable adjustable closing force
- Door widths up to 1400 mm
- Fire and smoke protection
- Standard frame installation
- Closing speed adjustable from front facing regulator valves
- CE marking for building products
- Certification in compliance with EN 1154

Customer segment

Architects & Specifiers

- 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

- One single product suitable for all fitting applications
- Quickly and easily adjustable
- Quick and easy installation
- Comprehensive functions
- Same dimensions and design with and without mounting plate
- Compact design
- Modern design

Trade

- Reduced inventory costs due to modular product range
- One single product suitable for all fitting applications
- Complete accessories available for the whole product range
- Backcheck feature offers optimum protection for doors and walls
- Complimentary accessories available for the whole product range
- Quickly and easily adjustable
- Quick and easy installation
- Comprehensive functions

User

- Easier door opening and improved accessibility due to CAM-motion Technology
- Backcheck feature offers optimum protection for doors and walls
- Largely unaffected by temperature fluctuations thanks to thermodynamic valves
- Delayed action function allows easier access through the door for example with bulky goods
- Largely unaffected by temperature fluctuations thanks to thermodynamic valves

You can find the full specifications on the internet at: www.assaabloy.co.uk

DC340A Technical attributes

- Variable adjustable closing force
- Door widths up to 1100 mm / 1400 mm
- Fire and smoke protection
- Fire and smoke protection
- Door swing direction Left / Right hand door
- Closing speed Variable between 180° - 0°
- Latching speed Variable between 180° - 0°
- Backcheck Variable above 75°
- Weight 2.1 kg
- Height 60 mm
- Depth 62 mm
- Length 308 mm
- CE marking for building products
- Certification in compliance with EN 1154

Accessories: Colour:
- Hold open link arm L191
- 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, similar to RAL9016
- Black, similar to RAL9005
- Custom finishes available

Specifications for DC340A Rack & Pinion

ASSA ABLOY Door Closer DC340A featuring rack and pinion technology in compliance with EN 1154

- Supplied with link arm L190 and parallel arm bracket A154 closing power adjustable, EN size 1 - 4, for doors up to 1400 mm wide
- Closing speed, latch speed and backcheck adjustable from front facing regulator valves
- Can be used with integrated concealed mounting plate
- CE marked
- 14 mm height adjustable arm system for ease of fitting
- Suitable for Left and Right hand doors

Technical attributes

- Variable adjustable closing force
- Door widths up to 1400 mm
- Fire and smoke protection
- Standard frame installation
- Fire and smoke protection
- Door swing direction Left / Right hand door
- Closing speed Variable between 180° - 0°
- Latching speed Variable between 180° - 0°
- Backcheck Variable above 75°
- Weight 2.4 kg
- Height 80 mm
- Depth 47 mm
- Length 306 mm
- CE marking for building products
- Certification in compliance with EN 1154

Accessories: Colour:
- Hold open link arm L191
- 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
- Colour: silver, similar to RAL9016
- Black, similar to RAL9005
- Custom finishes available

Specifications for DC340A Rack & Pinion

ASSA ABLOY Door Closer DC340A featuring rack and pinion technology in compliance with EN 1154

- Supplied with link arm L190 and parallel arm bracket A154 closing power adjustable, EN size 1 - 4, for doors up to 1400 mm wide
- Closing speed, latch speed and backcheck adjustable from front facing regulator valves
- Can be used with integrated concealed mounting plate
- CE marked
- 14 mm height adjustable arm system for ease of fitting
- Suitable for Left and Right hand doors

Technical attributes

- Variable adjustable closing force
- Door widths up to 1400 mm
- Fire and smoke protection
- Standard frame installation
- Closing speed Variable between 180° - 0°
- Latching speed Variable between 180° - 0°
- Backcheck Variable above 75°
- Weight 2.1 kg
- Height 60 mm
- Depth 62 mm
- Length 308 mm
- CE marking for building products
- Certification in compliance with EN 1154

Accessories: Colour:
- Hold open link arm L191
- 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
- Colour: silver, similar to RAL9016
- Black, similar to RAL9005
- Custom finishes available

Specifications for DC340A Rack & Pinion

ASSA ABLOY Door Closer DC340A featuring rack and pinion technology in compliance with EN 1154

- Supplied with link arm L190 and parallel arm bracket A154 closing power adjustable, EN size 1 - 4, for doors up to 1400 mm wide
- Closing speed, latch speed and backcheck adjustable from front facing regulator valves
- Can be used with integrated concealed mounting plate
- CE marked
- 14 mm height adjustable arm system for ease of fitting
- Suitable for Left and Right hand doors

Technical attributes

- Variable adjustable closing force
- Door widths up to 1400 mm
- Fire and smoke protection
- Standard frame installation
- Closing speed Variable between 180° - 0°
- Latching speed Variable between 180° - 0°
- Backcheck Variable above 75°
- Weight 2.1 kg
- Height 60 mm
- Depth 62 mm
- Length 308 mm
- CE marking for building products
- Certification in compliance with EN 1154

Accessories: Colour:
- Hold open link arm L191
- 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
- Colour: silver, similar to RAL9016
- Black, similar to RAL9005
- Custom finishes available
**DC347A Rack & Pinion**

**Technical attributes**

<table>
<thead>
<tr>
<th>Technical attributes</th>
<th>Specification for DC347A</th>
<th>DC500A CAM-motion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable adjustable closing force</td>
<td>EN 5 - 7</td>
<td>EN 3 - 4</td>
</tr>
<tr>
<td>Door hold open up to</td>
<td>1600 mm</td>
<td>1100 mm</td>
</tr>
<tr>
<td>Fire and smoke protection</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Closing speed</td>
<td>Variable between 180° - 0°</td>
<td>Closing speed</td>
</tr>
<tr>
<td>Latching speed</td>
<td>Variable between 15° - 0°</td>
<td>Latching speed</td>
</tr>
<tr>
<td>Backcheck</td>
<td>Variable above 75°</td>
<td>Backcheck</td>
</tr>
<tr>
<td>Weight</td>
<td>2.2 kg</td>
<td>Weight</td>
</tr>
<tr>
<td>Height</td>
<td>80 mm</td>
<td>Height</td>
</tr>
<tr>
<td>Depth</td>
<td>65 mm</td>
<td>Depth</td>
</tr>
<tr>
<td>Length</td>
<td>305 mm</td>
<td>Length</td>
</tr>
<tr>
<td>Certified in compliance with</td>
<td>EN 1154</td>
<td>CE marking for building products</td>
</tr>
</tbody>
</table>

**The advantages at a glance**

<table>
<thead>
<tr>
<th>Customer segment</th>
<th>Advantages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architects &amp; Specifiers</td>
<td>- For heavy doors, fire and smoke protection doors as well as standard doors</td>
</tr>
<tr>
<td></td>
<td>- Modern design</td>
</tr>
<tr>
<td></td>
<td>- Compact design</td>
</tr>
<tr>
<td></td>
<td>- Same dimensions and design with and without mounting plate</td>
</tr>
<tr>
<td>Builders &amp; Installers</td>
<td>- Quick and easy installation</td>
</tr>
<tr>
<td></td>
<td>- Quickly and easily adjustable</td>
</tr>
<tr>
<td></td>
<td>- Suitable for Left and Right hand doors, in both door and frame mounted applications</td>
</tr>
<tr>
<td>Trade</td>
<td>- One single product suitable for all fitting applications</td>
</tr>
<tr>
<td></td>
<td>- Complementary accessories available</td>
</tr>
<tr>
<td>User</td>
<td>- Easily opened by people with reduced mobility with the use of the device</td>
</tr>
<tr>
<td></td>
<td>- Can be used with integrated concealed mounting plate</td>
</tr>
<tr>
<td></td>
<td>- Suitable for Left and Right hand doors for standard and frame fitting on hinge and non-hinge sides</td>
</tr>
</tbody>
</table>

**Accessories:**
- Mounting plate A126
- Angle bracket A107

**Colour:**
- Silver
- White, similar to RAL9016
- Brown, similar to RAL8014
- Black, similar to RAL9005
- Custom finishes available

**Specification for DC347A**

ASSA ABLOY Door Closer DC347A featuring rack and pinion technology in compliance with EN 1154

- With extra strong link arm L197 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
- CE marked
- 14 mm height adjustable arm system for ease of fitting
- Suitable for Left and Right hand doors

**You can find the full specifications on the internet at:** www.assaabloy.co.uk

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**DC500A CAM-motion**

**Technical attributes**

<table>
<thead>
<tr>
<th>Technical attributes</th>
<th>Specification for DC500A</th>
<th>DC347A Rack &amp; Pinion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable adjustable closing force</td>
<td>EN 3 - 4</td>
<td>EN 5 - 7</td>
</tr>
<tr>
<td>Door hold open up to</td>
<td>1100 mm</td>
<td>1600 mm</td>
</tr>
<tr>
<td>Fire and smoke protection</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Standard and frame installation</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Closing speed</td>
<td>Variable between 150° - 0°</td>
<td>Closing speed</td>
</tr>
<tr>
<td>Latching speed</td>
<td>Variable between 75° - 0°</td>
<td>Latching speed</td>
</tr>
<tr>
<td>Opening angle hinge side</td>
<td>Ca. 170°</td>
<td>Opening angle hinge side</td>
</tr>
<tr>
<td>Opening angle non-hinge side</td>
<td>Ca. 370°</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>2.7 kg</td>
<td>Weight</td>
</tr>
<tr>
<td>Height</td>
<td>66 mm</td>
<td>Height</td>
</tr>
<tr>
<td>Depth</td>
<td>51 mm</td>
<td>Depth</td>
</tr>
<tr>
<td>Length</td>
<td>210 mm</td>
<td>Length</td>
</tr>
<tr>
<td>Certified in compliance with</td>
<td>EN 1154</td>
<td>CE marking for building products</td>
</tr>
</tbody>
</table>

**The advantages at a glance**

<table>
<thead>
<tr>
<th>Customer segment</th>
<th>Advantages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architects &amp; Specifiers</td>
<td>- Intensive range of casw, fire and smoke protection doors as well as standard doors</td>
</tr>
<tr>
<td></td>
<td>- Modern design</td>
</tr>
<tr>
<td></td>
<td>- Compact design</td>
</tr>
<tr>
<td></td>
<td>- Fulfil barrier-free building requirements (Equality Act)</td>
</tr>
<tr>
<td></td>
<td>- Same dimensions and design with and without mounting plate</td>
</tr>
<tr>
<td>Builders &amp; Installers</td>
<td>- One drilling template overall</td>
</tr>
<tr>
<td></td>
<td>- Adjustable to nearly all door and frame types</td>
</tr>
<tr>
<td></td>
<td>- Quick and easy installation</td>
</tr>
<tr>
<td></td>
<td>- Suitable for Left and Right hand doors for standard and frame fitting on hinge and non-hinge sides</td>
</tr>
<tr>
<td>Trade</td>
<td>- Reduced inventory costs due to modular product range</td>
</tr>
<tr>
<td></td>
<td>- One single product suitable for all fitting applications</td>
</tr>
<tr>
<td></td>
<td>- Complementary accessories available for the whole product range</td>
</tr>
<tr>
<td>User</td>
<td>- Easier door opening and improved accessibility due to CAM-motion Technology</td>
</tr>
<tr>
<td></td>
<td>- Largely unaffected by temperature fluctuations thanks to thermodynamic valves</td>
</tr>
</tbody>
</table>

**Accessories:**
- Standard guide rail G193
- Mounting plate A120
- Mounting plate A130
- Guide Rail G193 and G195
- Angle bracket A104
- 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
- Custom finishes available

**Specification for DC500A**

ASSA ABLOY Door Closer DC500A with CAM-motion Technology and guide rail in compliance with EN 1154

- With height adjustable guide rail G195 closing power continuously adjustable, EN size 1 - 4, for doors up to 1100 mm wide
- Closing speed and latching speed continuously adjustable from front facing regulator valves
- Can be used with integrated concealed mounting plate
- CE marked
- 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

**You can find the full specifications on the internet at:** www.assaabloy.co.uk
### DC700A CAM-motion

#### Technical attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable adjustable closing force</td>
<td>EN 1 - 8</td>
</tr>
<tr>
<td>Closing speed</td>
<td>Variable between 15° - 60°</td>
</tr>
<tr>
<td>Latching speed</td>
<td>Variable between 15° - 10°</td>
</tr>
<tr>
<td>Backcheck</td>
<td>Variable above 75°</td>
</tr>
<tr>
<td>Opening angle hinge side</td>
<td>Ca. 170°</td>
</tr>
<tr>
<td>Opening angle non-hinge side</td>
<td>Ca. 120°</td>
</tr>
<tr>
<td>Weight</td>
<td>2.7 kg</td>
</tr>
<tr>
<td>Height</td>
<td>64 mm</td>
</tr>
<tr>
<td>Length</td>
<td>270 mm</td>
</tr>
<tr>
<td>Certified in compliance</td>
<td>EN 1154</td>
</tr>
<tr>
<td>CE marking</td>
<td></td>
</tr>
</tbody>
</table>

#### The advantages at a glance

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</tr>
</thead>
<tbody>
<tr>
<td>Architects &amp; Specifiers</td>
<td>- Extensive range of uses: Fire and smoke protection doors as well as standard doors</td>
</tr>
<tr>
<td></td>
<td>- Modern design</td>
</tr>
<tr>
<td></td>
<td>- Compact design</td>
</tr>
<tr>
<td></td>
<td>- Same dimensions and design with and without mounting plate</td>
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<tr>
<td>Builders &amp; Installers</td>
<td>- One drilling template overall</td>
</tr>
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<td>- Adjustable to nearly all door and frame types</td>
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<td></td>
<td>- Quick and easy installation</td>
</tr>
<tr>
<td></td>
<td>- Quickly and easily adjustable</td>
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<tr>
<td>Trade</td>
<td>- Reduced inventory costs due to modular product range</td>
</tr>
<tr>
<td></td>
<td>- One single product suitable for all fitting applications</td>
</tr>
<tr>
<td>User</td>
<td>- Easier door opening and improved accessibility due to CAM-motion Technology</td>
</tr>
</tbody>
</table>

### DC700 CAM-motion with G460

#### electro-mechanical hold open device

#### Technical attributes (G460)

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Details</th>
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<tr>
<td>Voltage supply</td>
<td>24 V DC</td>
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<tr>
<td>Max. consumption</td>
<td>0.8 WA</td>
</tr>
<tr>
<td>Door widths up to</td>
<td>1800 mm</td>
</tr>
<tr>
<td>Hold open angle</td>
<td>70° - 130°</td>
</tr>
<tr>
<td>Weight</td>
<td>1.2 kg</td>
</tr>
<tr>
<td>Height</td>
<td>31 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>31 mm</td>
</tr>
<tr>
<td>Length</td>
<td>545 mm</td>
</tr>
<tr>
<td>CE marking for building products</td>
<td>Yes</td>
</tr>
</tbody>
</table>

#### The advantages at a glance

<table>
<thead>
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<th>Customer segment</th>
<th>Advantages</th>
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<tbody>
<tr>
<td>Architects &amp; Specifiers</td>
<td>- Extensive range of uses: Fire and smoke protection doors as well as standard doors</td>
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<tr>
<td></td>
<td>- Modern design</td>
</tr>
<tr>
<td></td>
<td>- Compact design</td>
</tr>
<tr>
<td>Builders &amp; Installers</td>
<td>- Adjustable to nearly any door and frame types</td>
</tr>
<tr>
<td></td>
<td>- Quick and easy installation</td>
</tr>
<tr>
<td></td>
<td>- Quickly and easily adjustable</td>
</tr>
<tr>
<td>Trade</td>
<td>- Reduced inventory costs due to modular product range</td>
</tr>
<tr>
<td></td>
<td>- One single product suitable for all fitting applications</td>
</tr>
<tr>
<td>User</td>
<td>- Easier door opening and improved accessibility due to CAM-motion Technology</td>
</tr>
</tbody>
</table>

### Specification for DC700A

ASSA ABLOY Door Closer DC700A with CAM-motion Technology and guide rail in compliance with EN 1154
- With height adjustable guide rail G195 closing power adjustable, EN size 3 - 6, for doors up to 1400 mm wide
- Closing speed, latch speed and backcheck adjustable from front facing regulator valves
- Can be used with integrated concealed mounting plate
- CE marked
- 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

### Specification for G460

ASSA ABLOY guide rail G460 with electro-mechanical hold open device used with DC700 CAM-motion closer body
- 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
- Technical approval for different smoke detection systems
- CE marked

### Accessories

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

### Colour

- Silver
- White, similar to RAL9006
- Brown, similar to RAL8015
- Black, similar to RAL9005
- Custom finishes available
DC640 and DC640T Rack & Pinion Free Swing

Technical attributes

<table>
<thead>
<tr>
<th>Specification</th>
<th>DC640</th>
<th>DC640T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (kg)</td>
<td>6.6</td>
<td>6.6</td>
</tr>
<tr>
<td>Height (mm)</td>
<td>71</td>
<td>71</td>
</tr>
<tr>
<td>Depth (mm)</td>
<td>63</td>
<td>63</td>
</tr>
<tr>
<td>Closing speed (°)</td>
<td>180 - 0°</td>
<td>180 - 0°</td>
</tr>
<tr>
<td>Latching speed (°)</td>
<td>15 - 0°</td>
<td>15 - 0°</td>
</tr>
<tr>
<td>Backcheck</td>
<td>Variable above 75°</td>
<td>Variable above 75°</td>
</tr>
<tr>
<td>Closing power adjustable, EN size</td>
<td>3 – 4</td>
<td>3 – 4</td>
</tr>
<tr>
<td>Fire and smoke protection</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Door widths up to (mm)</td>
<td>1200</td>
<td>1200</td>
</tr>
<tr>
<td>CE marking for building products</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

The advantages at a glance

<table>
<thead>
<tr>
<th>Customer segment</th>
<th>Advantages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architects &amp; Specifiers</td>
<td>- Free swing function</td>
</tr>
<tr>
<td>Builders &amp; Installers</td>
<td>- Adjustable to nearly all door and frame types</td>
</tr>
<tr>
<td>User</td>
<td>- After first opening door can be opened without any resistance (free swing)</td>
</tr>
</tbody>
</table>

Specifications for DC640A and DC640T

ASSA ABLOY Door Closer DC640 featuring free swing technology in compliance with EN 1155
- DC640A with 6900 free swing link arm
- Closing power adjustable, EN size 3 - 6, for doors up to 1400mm wide
- DC640T with G694 free swing guide rail
- Closing power adjustable, EN size 3 - 4, for doors up to 1100mm wide
- Closing speed, latching speed and backcheck adjustable from front facing regulator valves
- Can be used with integrated concealed mounting plate
- CE marked
- 14mm height adjustable arm system for ease of fitting
- Suitable for Left and Right hand doors

Accessories: Connection box A140 for door leaf installations
Mounting plate A130 for guide rail G694
Angle arm bracket A104 for guide rail G694

Colour: Silver

DC840A Concealed CAM-motion

Technical attributes

<table>
<thead>
<tr>
<th>Specification</th>
<th>DC840A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (kg)</td>
<td>2.3</td>
</tr>
<tr>
<td>Height (mm)</td>
<td>55</td>
</tr>
<tr>
<td>Depth (mm)</td>
<td>40</td>
</tr>
<tr>
<td>Length (mm)</td>
<td>290</td>
</tr>
<tr>
<td>CE marking for building products</td>
<td>Yes</td>
</tr>
</tbody>
</table>

The advantages at a glance

<table>
<thead>
<tr>
<th>Customer segment</th>
<th>Advantages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architects &amp; Specifiers</td>
<td>- Extended range of uses: fire and smoke protection doors as well as standard doors</td>
</tr>
<tr>
<td>Builders &amp; Installers</td>
<td>- One single product suitable for all fitting applications</td>
</tr>
<tr>
<td>User</td>
<td>- Door easy to use thanks to the greatly reduced torque</td>
</tr>
</tbody>
</table>

Specifications for DC840A

ASSA ABLOY Concealed Door Closer DC840A with CAM-motion Technology and DC892 small concealed guide rail in compliance with EN1154
- Closing power continuously adjustable, EN size 1 - 4
- Closing speed, latching speed and closing force continuously adjustable from top
- CE marked
- 4mm and 8mm spindle extensions available
- Suitable for Left and Right hand doors
- Suitable for 44/45mm thick doors given its 32mm width dimension
- For single action doors up to 1100mm wide
- Built in backcheck as standard

Accessories: Standard concealed door closer DC893
Mechanical hold open device A152 (not for fire and smoke protection doors)
Mechanical opening damper A153
Fixing plate 811195
DC860A Concealed CAM-motion
Technical attributes

Technical attributes
Variable adjustable closing force
Door widths up to
Fire and smoke protection
(please check the availability according your local regulations)
Closing speed
Latching speed
Backcheck
Opening angle
Weight
Height
Width
Length
Certified in compliance with
CE mark for building products

Specifications for DC860A
ASSA ABLOY Concealed Door Closer DC860A with CAM-motion Technology and DC892 small 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
- CE marked
- 4 mm and 8 mm spindle extensions available
- Suitable for left and right hand doors
- For single action doors up to 1250mm wide

Accessories:
- 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 Custom finishes available

You can find the full specifications on the internet at: www.assaabloy.co.uk

The advantages at a glance
Customer segment
Architects & Specifiers
- Extensive range of uses: Fire and smoke protection doors as well as standard doors
- Concealed door closer and guide rail with only the arm visible
- Rigid barrier-free building requirements (Equality Act)

Builders & Installers
- Quick and easy installation
- Quickly and easily adjustable

Trade
- Low stock keeping costs thanks non-handed design in closer and arm system

User
- 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

The advantages at a glance
Customer segment
Architects & Specifiers
- Concealed door closer products have aesthetic advantages for many solutions
- Extensive range of uses: Fire and smoke protection doors as well as standard doors

Builders & Installers
- Quick and easy installation
- Quickly and easily adjustable

Trade
- Reduced inventory costs due to modular product range

User
- Adjustable operating force, to meet door construction requirements and end user needs

DC860 CAM-motion with G880 electro-mechanical hold open device
Technical attributes

Technical attributes
Voltage supply
Max. consumption
Door widths up to
Weight
Height
Depth
Length
Certified in compliance with
CE mark for building products

Technical attributes for the ASSA ABLOY G880 concealed guide rail with electro-mechanical hold open. Use in conjunction with the DC860 concealed closer body (supplied separately), see DC860 details.

Specifications for G880
ASSA ABLOY concealed guide rail G880 with electro-mechanical hold open device used with DC860 concealed CAM-motion door closer body
- 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
- CE marked

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

Colour: Silver Custom finishes available

You can find the full specifications on the internet at: www.assaabloy.co.uk
## DC700 CAM-motion with G461 integrated mechanical co-ordinator

### Technical attributes

<table>
<thead>
<tr>
<th>Specification</th>
<th>DC700 CAM-motion with G461 and two electro-mechanical hold open devices</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hinge distance</strong></td>
<td>1200 - 2800 mm</td>
</tr>
<tr>
<td><strong>Fire and smoke protection</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Max. opening angle of active leaf (hinge side)</strong></td>
<td>150° / 120°</td>
</tr>
<tr>
<td><strong>Max. opening angle of inactive leaf (non-hinge side)</strong></td>
<td>150° / 120°</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>2.6 kg</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>31 mm</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>33 mm</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>Depends on hinge distance</td>
</tr>
<tr>
<td><strong>Certified in compliance with</strong></td>
<td>EN 1155 and EN 1158</td>
</tr>
<tr>
<td><strong>CE mark for building products</strong></td>
<td>Yes</td>
</tr>
</tbody>
</table>

### The advantages at a glance

<table>
<thead>
<tr>
<th>Customer segment</th>
<th>Advantages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architects &amp; Specifiers</td>
<td>- Extensive range of uses: fire and smoke protection doors and non-rail installations&lt;br&gt;- Modern design&lt;br&gt;- Compact design</td>
</tr>
<tr>
<td>Builders &amp; Installers</td>
<td>- Adjustable to nearly any door and frame types&lt;br&gt;- Quick and easy installation&lt;br&gt;- Quickly and easily adjustable&lt;br&gt;- Suitable for hinge and non-hinge side installations</td>
</tr>
<tr>
<td>Trade</td>
<td>- Reduced inventory costs due to modular product range&lt;br&gt;- One single product available for all fitting applications&lt;br&gt;- A single model for all hinge and non-hinge sides</td>
</tr>
<tr>
<td>User</td>
<td>- Correct closing sequence guaranteed in every situation</td>
</tr>
</tbody>
</table>

### 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

### Specification for G461

ASA ABLOY guide rail G461 with mechanical coordinator for double doors used with DC700 CAM-motion closer bodies:

- 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 requires hook arm G120
- Guide rail height adjustable of 14 mm

You can find the full specifications on the internet at: www.assaabloy.co.uk
DC700 CAM-motion with G464 co-ordinator and electro-mechanical hold open device for double doors

Technical attributes

- Voltage supply: 24 V DC
- Max. consumption: 60 mA
- Hinge distance: 1250 - 2000 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): 90° + 120° / 90°
- Weight: 2.0 kg
- Height: 33 mm
- Depth: 33 mm
- Length: Depends on hinge distance
- Cut-out in compliance with: EN 1155 and EN 1158
- CE mark for building products: Yes

The advantages at a glance

<table>
<thead>
<tr>
<th>Customer segment</th>
<th>Advantages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architects &amp; Specifiers</td>
<td>- Extensive range of uses: fire and smoke protection doors. - Modern design. - Compact design. - Applications where both door leaves need to keep open.</td>
</tr>
<tr>
<td>Builders &amp; Installers</td>
<td>- Adjustable to nearly any door and frame types. - Quick and easy installation. - Suitable for hinge and non-hinge side installations.</td>
</tr>
<tr>
<td>Trade</td>
<td>- 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.</td>
</tr>
<tr>
<td>User</td>
<td>- Correct closing sequence guaranteed in every situation. - Adjustable operating force, to meet door construction requirements and end user needs.</td>
</tr>
</tbody>
</table>

Specification for G464

ASSA ABLOY guide rail G464 with mechanical co-ordinator and electro-mechanical hold open device for double doors used with DC700 CAM-motion door closer bodies

- Hinge distance 1250 - 2000 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 to closed position before active leaf starts 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
- CE marked

Accessories:
- Mounting plate A115
- Angle bracket A116
- 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 RAL9003
- Brown, similar to RAL8017
- Black, similar to RAL9005
- Custom finishes available

DC860 Concealed CAM-motion with G881 concealed guide rail and integrated co-ordinator

Technical attributes

- Hinge distance: 1350 - 2000 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: 20 mm
- Depth: 26 mm
- Length: Depends on hinge distance
- Cut-out in compliance with: EN 1158
- CE mark for building products: Yes

Technical attributes for the ASSA ABLOY G811 concealed guide rail with mechanical co-ordinator. Use in conjunction with the DC860 concealed closer bodies (supplied separately), see DC860 details.

The advantages at a glance

<table>
<thead>
<tr>
<th>Customer segment</th>
<th>Advantages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architects &amp; Specifiers</td>
<td>- Concealed door closer products have aesthetic advantages for many solutions. - Extensive range of uses: fire and smoke protection doors as well as standard doors. - Suitable for steel, wooden and aluminium profile doors.</td>
</tr>
<tr>
<td>Builders &amp; Installers</td>
<td>- Quick and easy installation. - Quickly and easily adjustable.</td>
</tr>
<tr>
<td>Trade</td>
<td>- 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.</td>
</tr>
<tr>
<td>User</td>
<td>- Correct closing sequence guaranteed in every situation.</td>
</tr>
</tbody>
</table>

Specification for G881

ASSA ABLOY concealed guide rail G881 with mechanical coordinator for double doors used with DC680 concealed CAM-motion closer bodies

- Hinge distance 1350 - 2000 mm
- Correct closing sequence guaranteed because inactive leaf must be very near to closed position before active leaf starts to close
- Active leaf could stay open in any selected angle up to 120° when inactive leaf is opened
- Large range of applications
- CE marked

Accessories:
- Carry bar

Colour:
- Silver
- Custom finishes available
DC860 Concealed CAM-motion with G882 concealed guide rail co-ordinator and two electro-mechanical hold open devices

Technical attributes

- CE marked
- Correct closing sequence guaranteed because of the electro-mechanical hold open. Use in conjunction with the DC860 concealed CAM-motion closer bodies (supplied separately), see DC860 details.

Specification for G882

- ASSA ABLOY concealed guide rail G882 with mechanical co-ordinator and 2 electro-mechanical hold open devices for double doors used with DC860 concealed CAM-motion closer bodies
- Hinge distance 1350 - 2800 mm
- Possible to keep both door leaves open
- Hold open angle of inactive leaf adjustable between 70° - 120° when inactive leaf is opened
- Correct closing sequence guaranteed because inactive leaf must be very near to closed position before active leaf starts to close
- Large range of applications
- CE marked

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

Colour: Silver

Custom finishes available

The advantages at a glance

Customer segment | Advantages
--- | ---
Architects & Specifiers | Concealed door closer products have aesthetic advantages for many solutions
Builders & Installers | Quick and easy installation
Trade | Reduced inventory costs due to modular product range
User | Adjustable operating force, to meet door construction requirements and end user needs

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: 20 mm
- Length: Depends on hinge distance
- Certificated in compliance with: EN 1155 and EN 1158

DC860 Concealed CAM-motion with G884 concealed guide rail co-ordinator and electro-mechanical hold open for double doors

Technical attributes

- CE mark for building products Yes
- Certified in compliance with EN 1155 and EN 1158
- Length: Depends on hinge distance
- Weight: 2 kg
- Depth: 20 mm
- Height: 30 mm
- Opening angle on active leaf: Up to 120°
- Hold open angle of inactive leaf: 70° - 120°
- Angle: 90 mm
- Max. consumption: 60 mA
- Voltage supply: 24 V DC

Technical attributes for the ASSA ABLOY G884 concealed guide rail with mechanical co-ordinator and 2 electro-mechanical hold open devices for double doors used with DC860 concealed door closer bodies (supplied separately), see DC860 details.

Specification for G884

- ASSA ABLOY concealed guide rail G884 with mechanical co-ordinator and electro-mechanical hold open device for double doors used with DC860 concealed CAM-motion closer bodies
- Hinge distance 1350 - 2800 mm
- Possible to keep both door leaves open
- Hold open angle of inactive leaf adjustable between 70° - 120° when inactive leaf is opened
- 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 to closed position before active leaf starts to close
- Large range of applications
- CE marked

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

Colour: Silver

Custom finishes available

The advantages at a glance

Customer segment | Advantages
--- | ---
Architects & Specifiers | Concealed door closer products have aesthetic advantages for many solutions
Builders & Installers | Quick and easy installation
Trade | Reduced inventory costs due to modular product range
User | Correct closing sequence guaranteed in every situation

Technical attributes

- Voltage supply: 24 V DC
- Max. consumption: 90 mA
- Hinge distance: 1350 - 2800 mm
- Fire and smoke protection: Yes
- Hold open angle of inactive leaf: 70° - 120°
- Height: 30 mm
- Depth: 20 mm
- Length: Depends on hinge distance
- Certificated in compliance with: EN 1155 and EN 1158
- All marker building products: Yes

Accessories:
- Release button
- Surface mounted or flush mounted detector
- Smoke protection
- Power supply
- Carry bar

Colour: Silver

Custom finishes available

You can find the full specifications on the internet at: www.assaabloy.co.uk
The graphs opposite demonstrate the torque curve capabilities of the ASSA ABLOY CAM-motion door closers. The data was taken from the official graphs provided by MPA independent test laboratory, with an example of an original graph shown below. Each door closer was set to power size 3 and the opening and closing torque recorded during the opening and closing cycles.

As can be seen, the opening force decreases rapidly as the door opens enabling children, the elderly and people with disabilities, to more easily overcome the closing moment of the door, and improve accessibility.

To further emphasise this, the shaded portion of the graph indicates the maximum opening force recommended under BS8300.

"... A door closer must produce an opening force of below 30N between 0˚ and 30˚ and below 22.5N between 30˚ and 60˚..."

Hence, specifiers and building owner’s responsibilities are met, and end user experience of the building environment is enhanced.

However, this may be only half the story if the door is a fire door; then according to BS EN 1154 the minimum door closer power setting must be 3, and the maximum closing torque requirement is 18Nm. Again, as can be seen, the ASSA ABLOY Cam-motion door closers comply with this requirement, ensuring that the door sits firmly in the frame preventing the spread of fire and smoke.

It is the superior design and engineering excellence of ASSA ABLOY’S high efficiency CAM-motion door closers that permit the co-existence of improved door opening for accessibility, whilst retaining reliable door closing for fire and smoke control.

CAM-motion
Torque Curve Performance

<table>
<thead>
<tr>
<th>Bodies for fire door systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC700 CAM-motion closer body</td>
</tr>
<tr>
<td>DC840 Concealed CAM-motion closer body 1-4</td>
</tr>
<tr>
<td>DC880 Concealed CAM-motion closer body 1-5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Arms</th>
</tr>
</thead>
<tbody>
<tr>
<td>L190 Link arm for use with DC200, DC300, DC340</td>
</tr>
<tr>
<td>L191 Hold open link arm for use with DC200, DC300, DC340</td>
</tr>
<tr>
<td>G193 Standard guide rail for use with DC340, DC700, DC840</td>
</tr>
<tr>
<td>G195 Height-adjustable rail for use with DC340, DC700</td>
</tr>
<tr>
<td>L197 Extra strong link for use with DC347</td>
</tr>
<tr>
<td>G694 Guide rail free swing for use with DC640</td>
</tr>
<tr>
<td>DC892 Small concealed guide rail for use with DC840 and DC860</td>
</tr>
<tr>
<td>DC893 Large concealed guide rail for use with DC840 and DC860</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Angle and Parallel Brackets</th>
</tr>
</thead>
<tbody>
<tr>
<td>A154 Parallel bracket for use with DC200, DC300, DC340</td>
</tr>
<tr>
<td>A122 for use with DC200</td>
</tr>
<tr>
<td>A126 for use with DC200, DC300, DC340</td>
</tr>
<tr>
<td>A130 for use with guide rails G193 and G694</td>
</tr>
<tr>
<td>A127 for use with DC200, DC340, DC347</td>
</tr>
<tr>
<td>A116 for use with G460 fire door system</td>
</tr>
<tr>
<td>A117 for use with G461 fire door system</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mounting Plates</th>
</tr>
</thead>
<tbody>
<tr>
<td>A121 for use with DC200, DC300, DC340</td>
</tr>
<tr>
<td>A120 for use with DC200, DC300, DC340, DC347</td>
</tr>
<tr>
<td>A150 for use with guide rails G193, G694 and G694</td>
</tr>
<tr>
<td>A115 for use with G460 - G464 fire door systems</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical Devices for use in the G193, G195, DC840, DC860 Guide Rails (Slide Arms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A152 Hold open device for use with G460 fire doors</td>
</tr>
<tr>
<td>A153 Opening stopper</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>A140 Connection box for DC840</td>
</tr>
<tr>
<td>B12775 Fixing plate for use with DC840</td>
</tr>
<tr>
<td>C1200 Hook arm for use with G461 fire door systems for double door non-hinge side installations</td>
</tr>
<tr>
<td>Carry box for use with G461 - G464 fire door systems</td>
</tr>
</tbody>
</table>
# How to Order

To specify ASSA ABLOY Door Closers Rack and Pinion

<table>
<thead>
<tr>
<th>Close Model</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC200A</td>
<td>8200000000A</td>
<td>DC200 with standard link arm and parallel bracket</td>
</tr>
<tr>
<td>DC300A</td>
<td>8300000000A</td>
<td>DC300 with standard link arm and parallel bracket</td>
</tr>
<tr>
<td>DC340A</td>
<td>8300000000A</td>
<td>DC340 with height-adjustable guide rail G195</td>
</tr>
<tr>
<td>DC340AT5</td>
<td>840120050T5</td>
<td>DC340 with height-adjustable guide rail G195</td>
</tr>
<tr>
<td>DC340AT3</td>
<td>840120050T3</td>
<td>DC340 with standard guide rail G193</td>
</tr>
</tbody>
</table>

To specify ASSA ABLOY Door Closer Heavy Duty Rack and Pinion

<table>
<thead>
<tr>
<th>Close Model</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC347A</td>
<td>83471205000</td>
<td>DC347 with standard link arm and parallel bracket</td>
</tr>
</tbody>
</table>

To specify ASSA ABLOY Door Closer CAM-motion

<table>
<thead>
<tr>
<th>Close Model</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC500A</td>
<td>8500110000A</td>
<td>DC500 with height-adjustable guide rail</td>
</tr>
<tr>
<td>DC700A</td>
<td>8700120000A</td>
<td>DC700 with height-adjustable guide rail</td>
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</tbody>
</table>

To specify ASSA ABLOY Concealed CAM-motion

<table>
<thead>
<tr>
<th>Close Model</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC840A</td>
<td>8400105000A</td>
<td>DC840A with G892 guide rail (20mm)</td>
</tr>
<tr>
<td>DC860A</td>
<td>8600105000A</td>
<td>DC860A with G892 guide rail (20mm)</td>
</tr>
</tbody>
</table>
ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.