



Security door closer Technical Datasheet

with Cam-Motion® technology for single- and
double-leaf doors with emergency exit lock

ASSA ABLOY
Opening Solutions

Experience a safer
and more open world

DC700G-FT

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



DC700G-FT, silver, EV1

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

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

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

Colours

- Silver, EV1
- Stainless steel design

Features

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

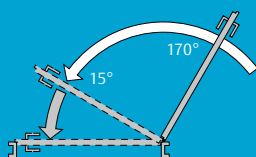
Product variants

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

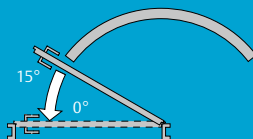
Accessories

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

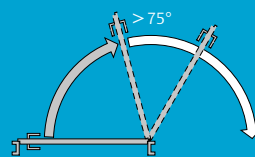
Independent adjustment via front-facing valves



Closing speed (C)



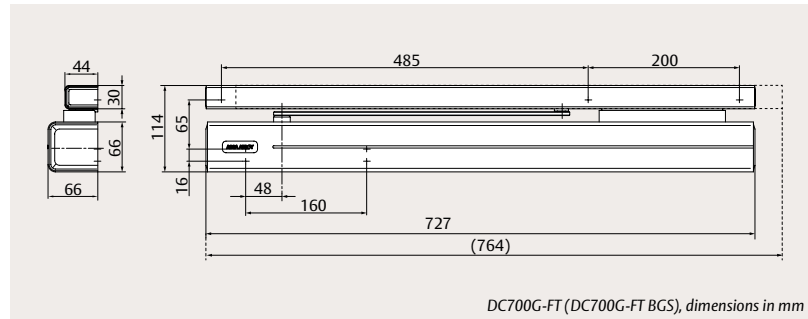
Latch speed (L)



Backcheck (B)

DC700G-FT

Technical attributes and certification



Technical attributes

Door closer

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

Escape door strike

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



Visit assaabloy.com to download all relevant product literature



Certification and testing

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

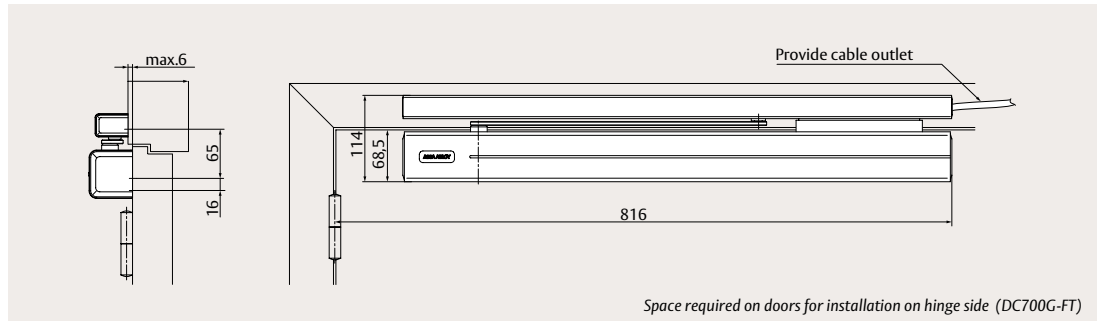


DC700G-FT

Space requirement and mounting dimensions

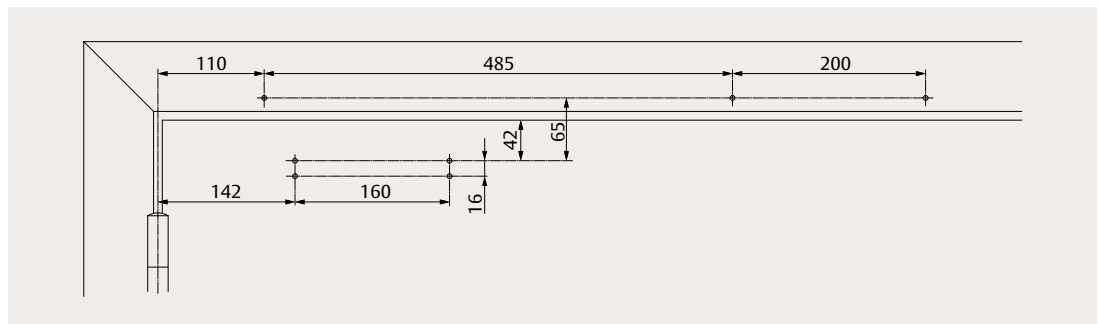


Scan the QR code
to watch the
installation video



Direct leaf mounting on hinge side

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



Note

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

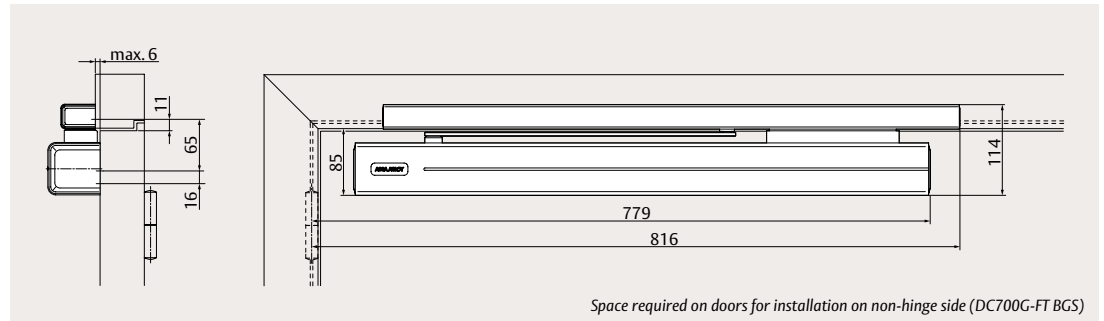
The position of the locking components on the guide rail and mounting plate are designed in such a way that escape door strikes and latch bolt are correctly aligned when installed in a flush position (flush-fitted doors).

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

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

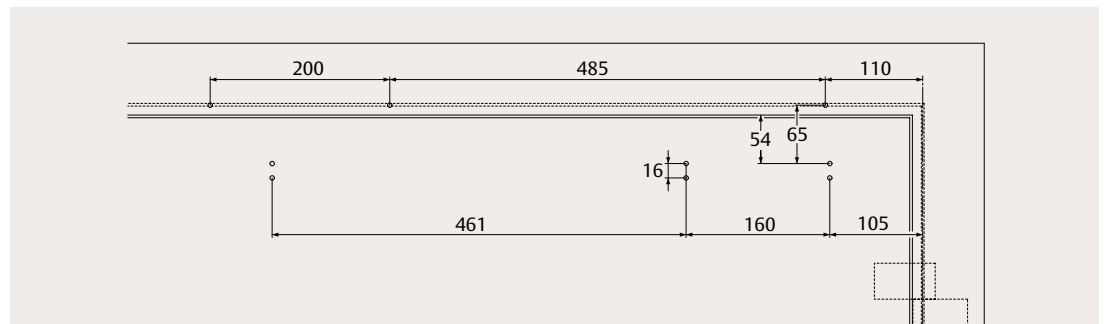
DC700G-FT

Space requirement and mounting dimensions



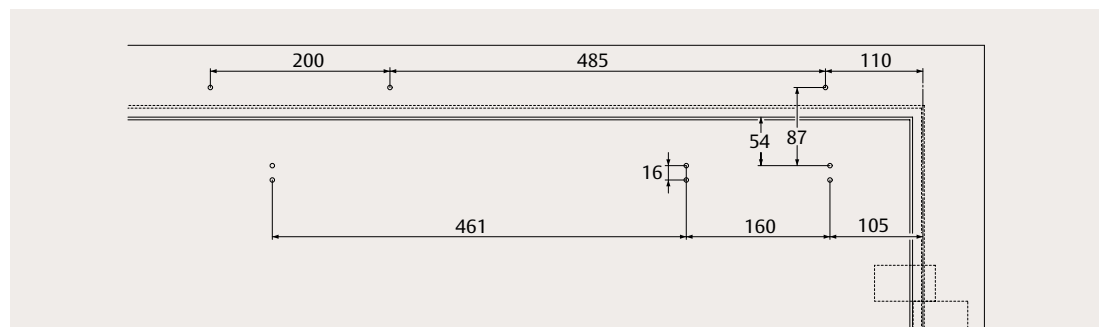
Direct leaf mounting on non-hinge side

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



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

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



Note

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

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

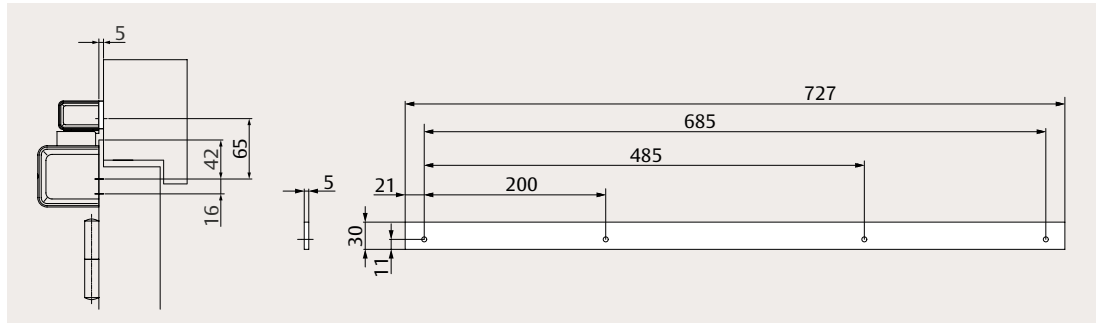
Adjustment option on escape door strike (FaFix®) of ± 1 mm (0.5 mm increments) and latch bolt lock of $\pm 6/-3$ mm horizontally and $\pm 8/-4$ mm vertically (4 mm increments) to compensate smaller differences in measurements.

DC700G-FT

Accessories

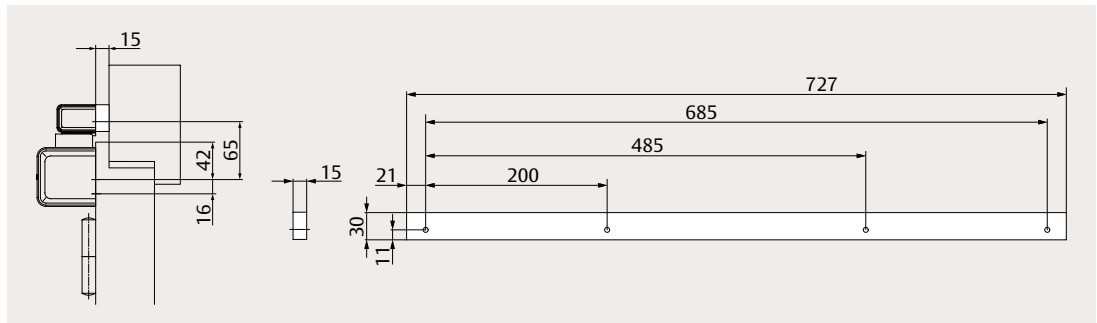
DCFA01 spacer plate, 5 mm

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



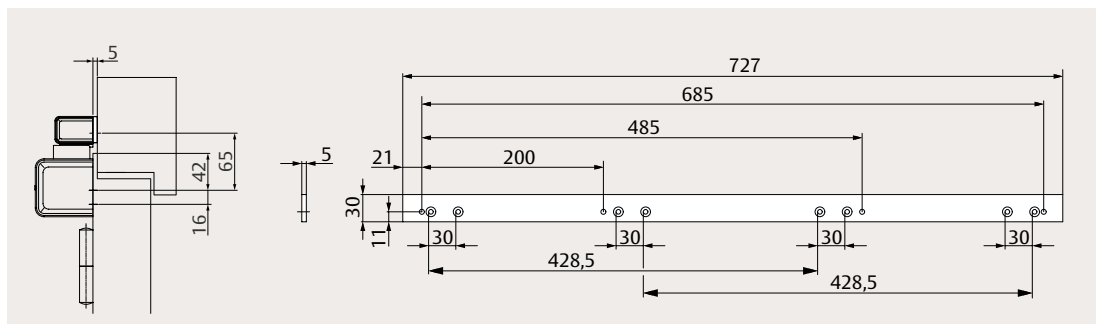
DCFA02 spacer plate, 15 mm

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



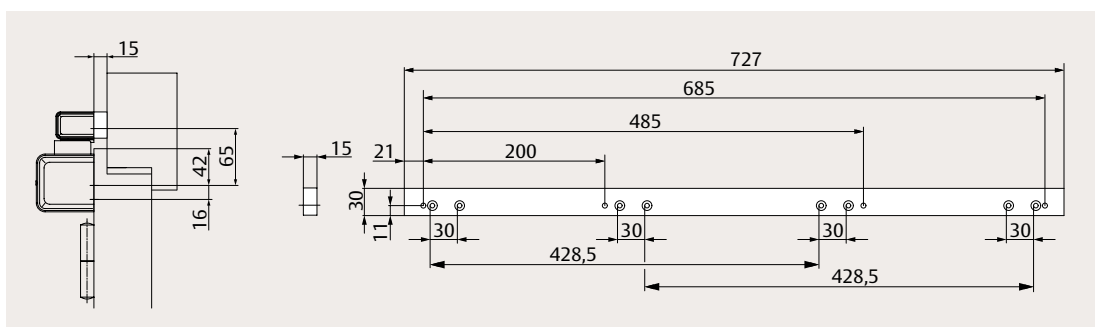
DCFA03 spacer and replacement plate, 5 mm

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



DCFA04 spacer and replacement plate, 15 mm

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

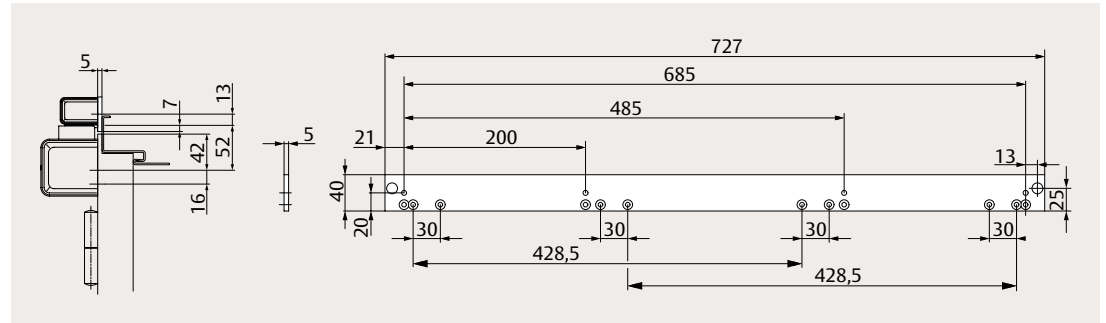


DC700G-FT

Accessories

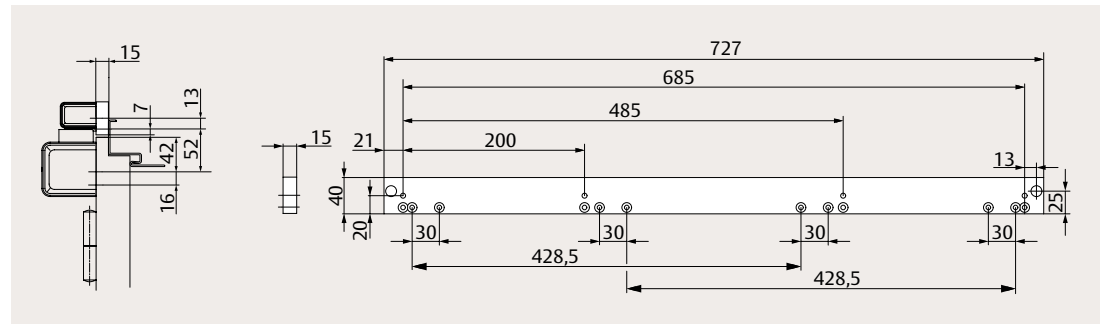
DCFA05 mounting and replacement plate for narrow frames, 5 mm

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



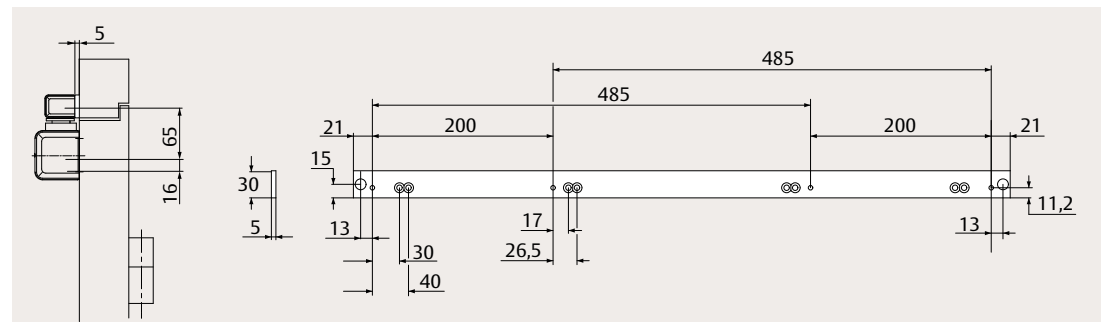
DCFA06 mounting and replacement plate for narrow frames, 15 mm

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



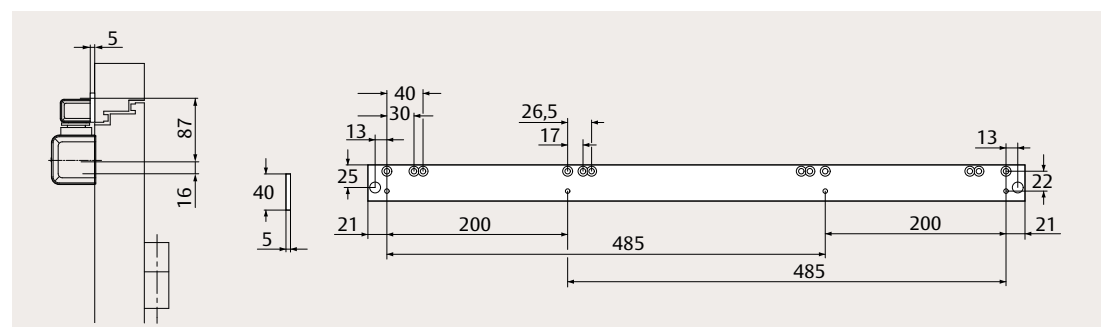
DCFA08 replacement plate, 5 mm

for use on flush doors; non-hinge side



DCFA09 mounting and replacement plate for narrow frames, 5 mm

for use on narrow frames or metal frame profiles; non-hinge side



DC700G-FT

Order information



Door closers

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

Accessories

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

DC700G-FT



DC700G-FT BGS



DCFA01



DCFA02



DCFA03



DCFA04



DCFA05



DCFA06



DCFA08



DCFA09



A188



DC700G-CO-FT

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



DC700G-CO-FT, silver, EV1

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

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

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

Colours

- Silver, EV1
- Stainless steel design

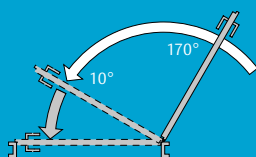
Features

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

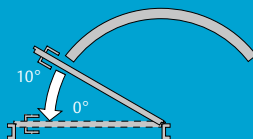
Guide rails and accessories

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

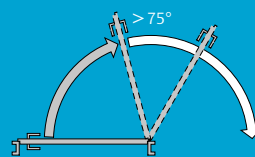
Independent adjustment via front-facing valves



Closing speed (C)



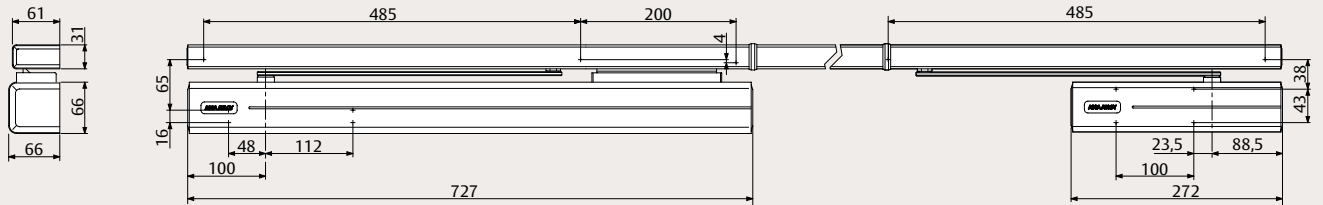
Latch speed (L)



Backcheck (B)

DC700G-CO-FT

Technical attributes and certification



DC700G-CO-FT, dimensions in mm



Technical attributes

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

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



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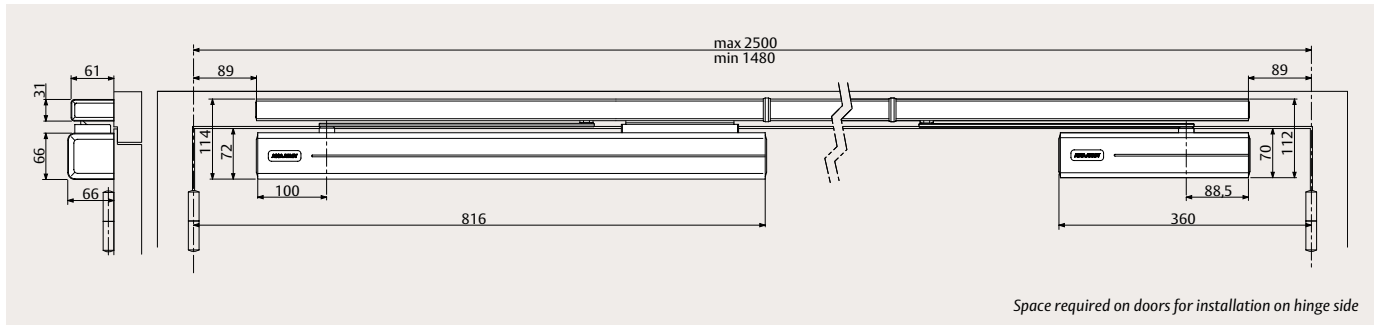
Certification and testing

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



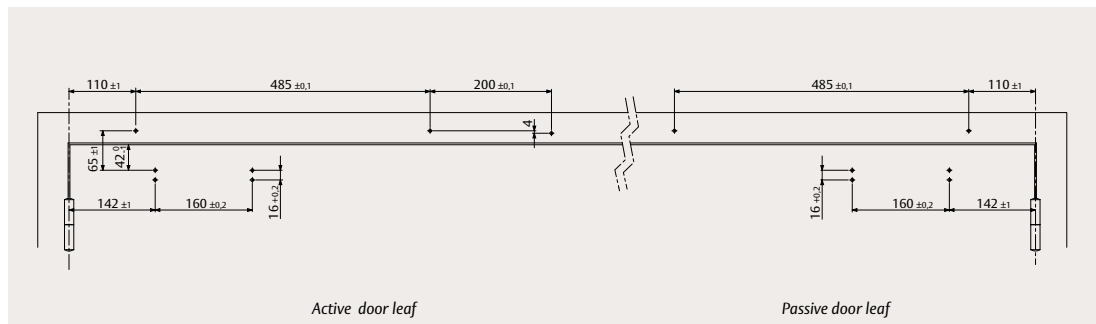
DC700G-CO-FT

Space requirement and mounting dimensions



Mounting plate leaf mounting on hinge side

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



Note

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

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

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

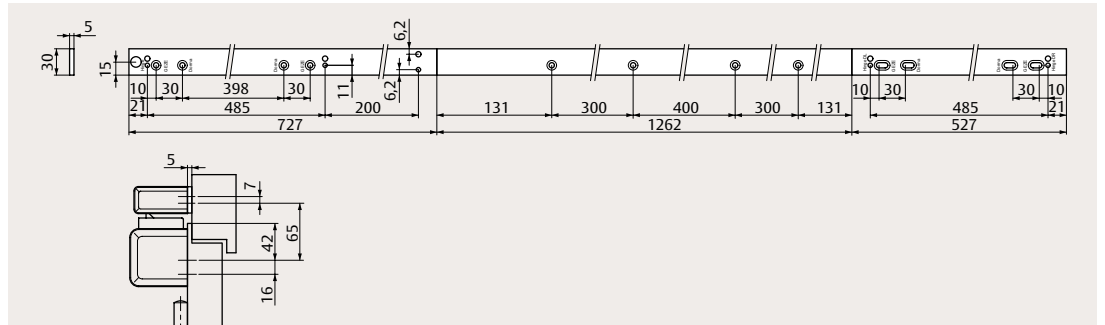
In the case of doors with an overlapping door leaf (narrow or wide rebate), the following spacer plates must be used to ensure that the guide rail and mounting plate are in a flush position when on top of one another.

DC700G-CO-FT

Accessories

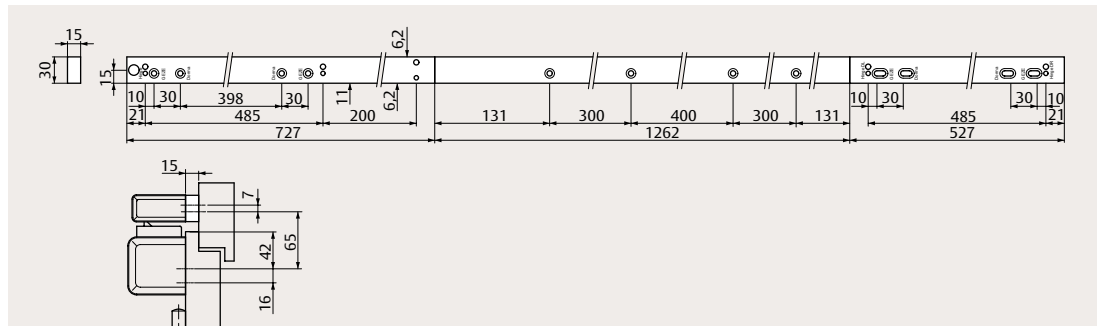
DCFA10 spacer and replacement plate, 5 mm

for use on narrow rebate doors



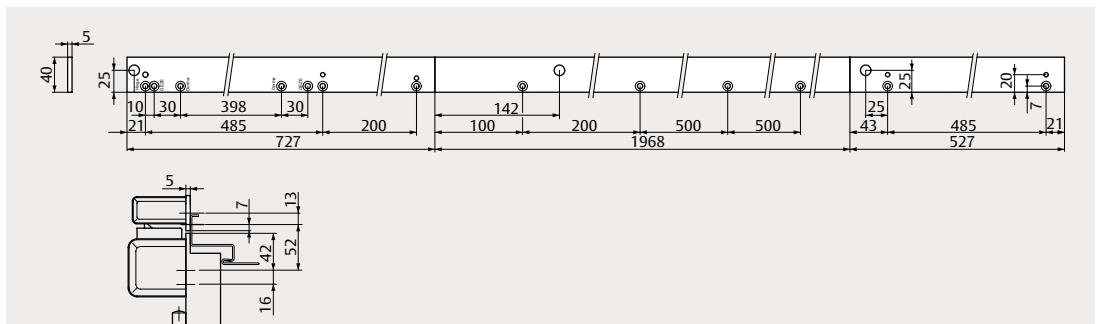
DCFA11 spacer and replacement plate, 15 mm

for use on wide rebate doors



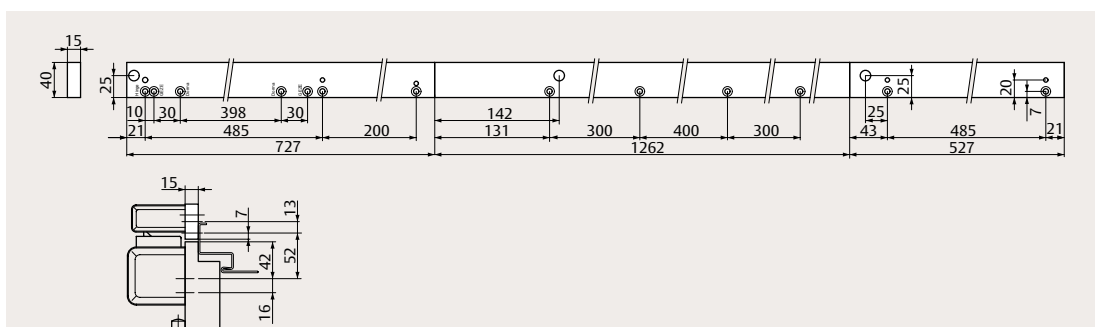
DCFA12 mounting and replacement plate for narrow frames, 5 mm

for use on flush doors or narrow rebate doors



DCFA13 mounting and replacement plate for narrow frames, 15 mm

for use on wide rebate doors



DC700G-CO-FT

Order information



Door closers

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

DC700G-CO-FT, silver



A188



Guide rails

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

Accessories

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

The ASSA ABLOY Group is the global leader in access solutions. Every day we help people feel safe, secure and experience a more open world.

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Opening Solutions

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