



# DC700G-FT / DC700G-FT BGS Technical Datasheet

**ASSA ABLOY**  
Opening Solutions

Security door closer with Cam-Motion® technology  
for doors with emergency exit lock

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

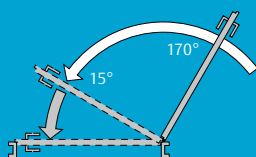
### Product variants

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

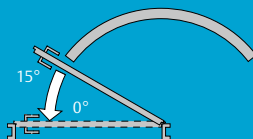
### Accessories

- **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)

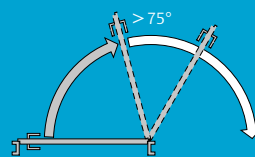
### Independent adjustment via front-facing valves



Closing speed (C)



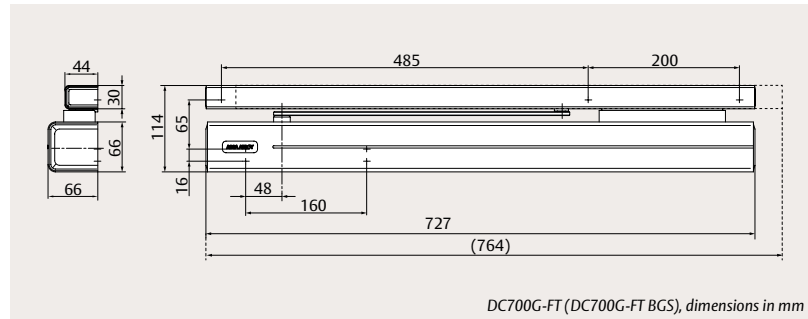
Latch speed (L)



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](https://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

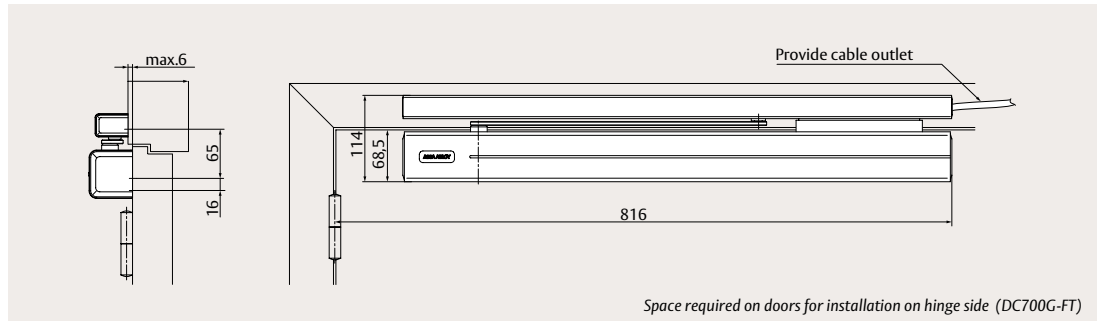


# DC700G-FT

## Space requirement and mounting dimensions

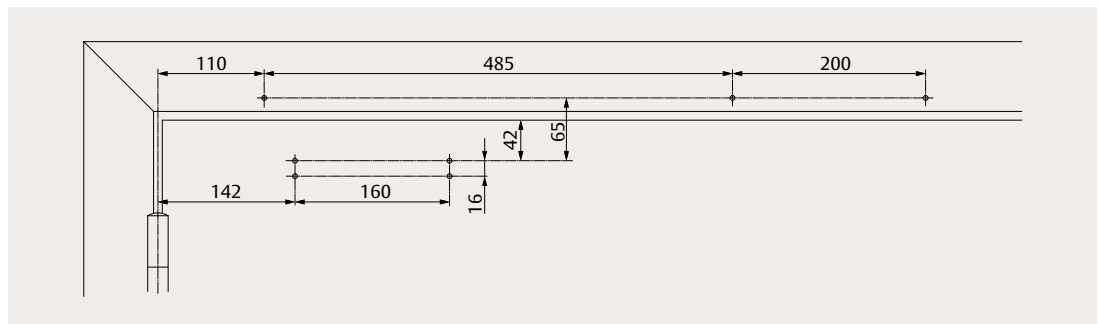


Scan the QR code to watch the installation video



### 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.

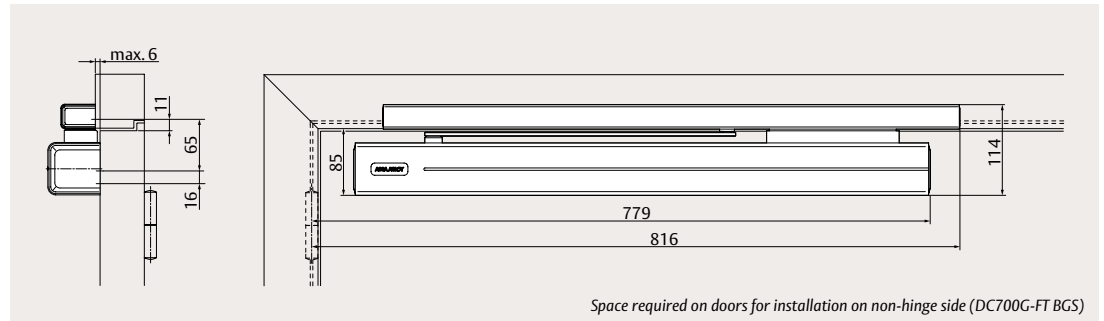
The position of the locking components on the guide rail and mounting plate are designed in such a way that escape door strikes and latch bolt are correctly aligned when installed in a flush position (flush-fitted doors).

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

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

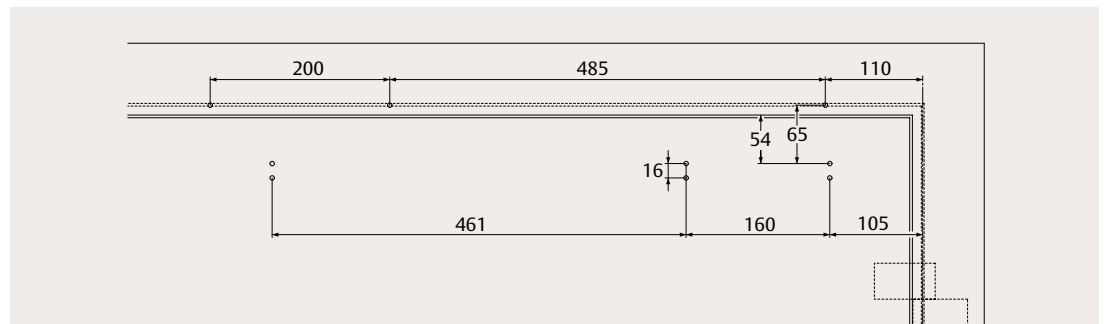
# DC700G-FT

## Space requirement and mounting dimensions



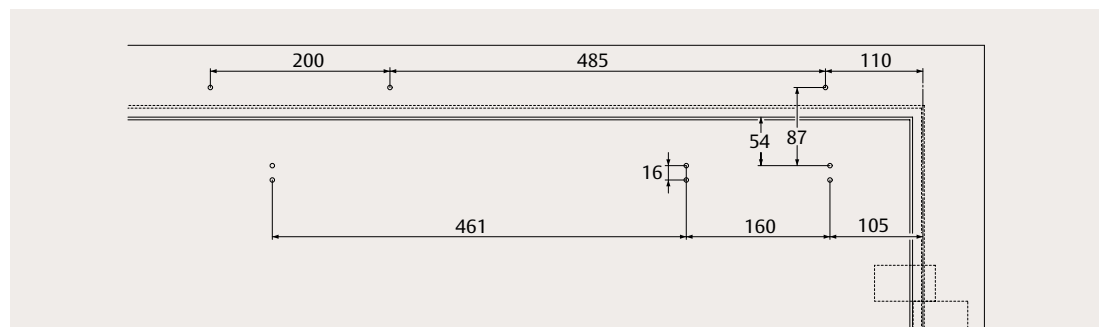
### Direct leaf mounting on non-hinge side

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



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

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



### Note

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

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

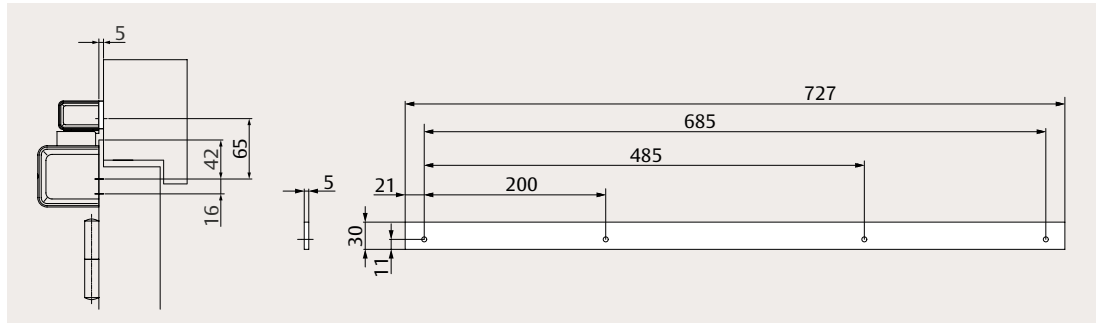
Adjustment option on escape door strike (FaFix®) of  $\pm 1$  mm (0.5 mm increments) and latch bolt lock of  $\pm 6/-3$  mm horizontally and  $\pm 8/-4$  mm vertically (4 mm increments) to compensate smaller differences in measurements.

# DC700G-FT

## Accessories

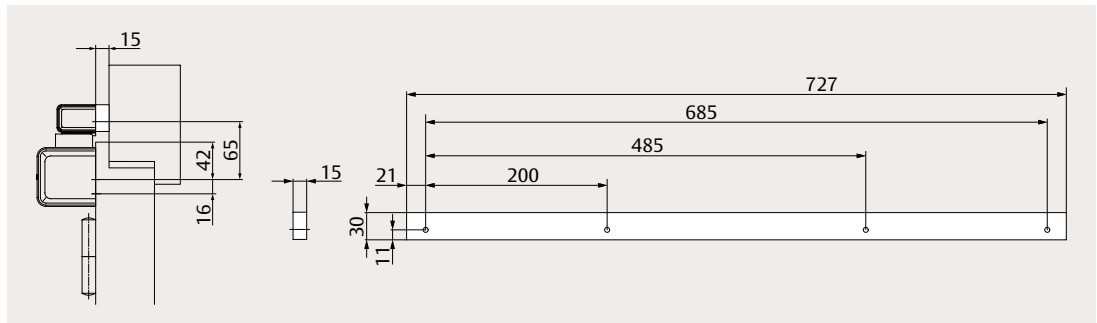
### DCFA01 spacer plate, 5 mm

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



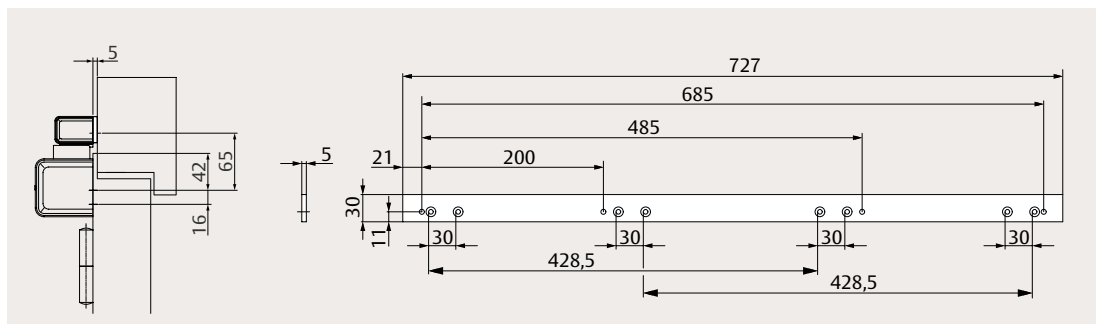
### DCFA02 spacer plate, 15 mm

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



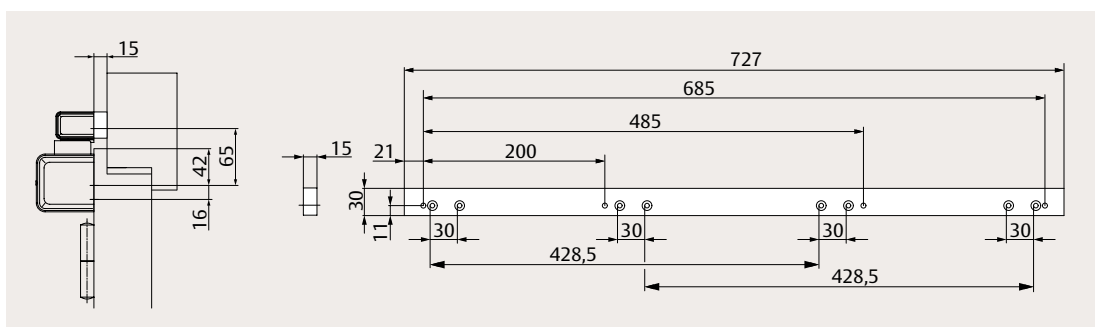
### DCFA03 spacer and replacement plate, 5 mm

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



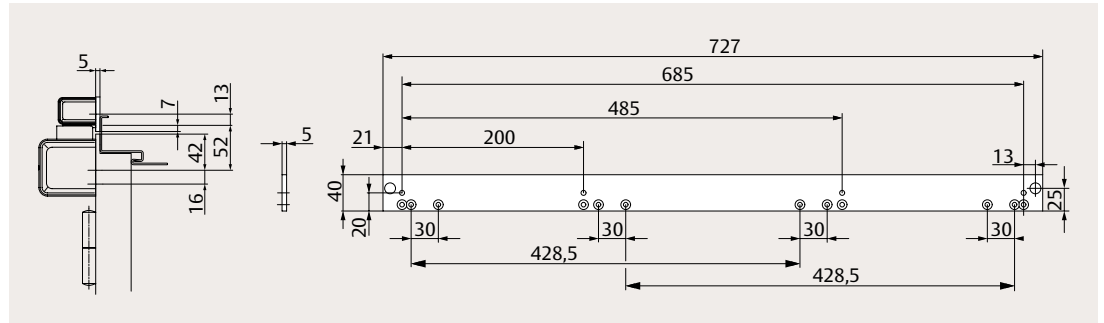


# DC700G-FT

## Accessories

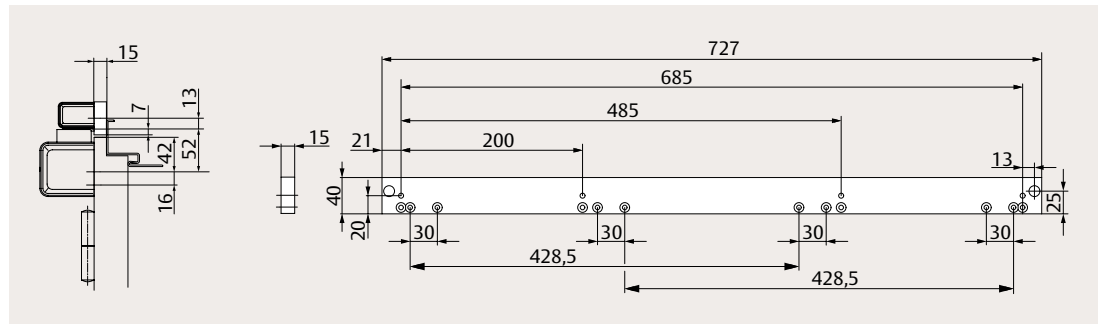
### DCFA05 mounting and replacement plate for narrow frames, 5 mm

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



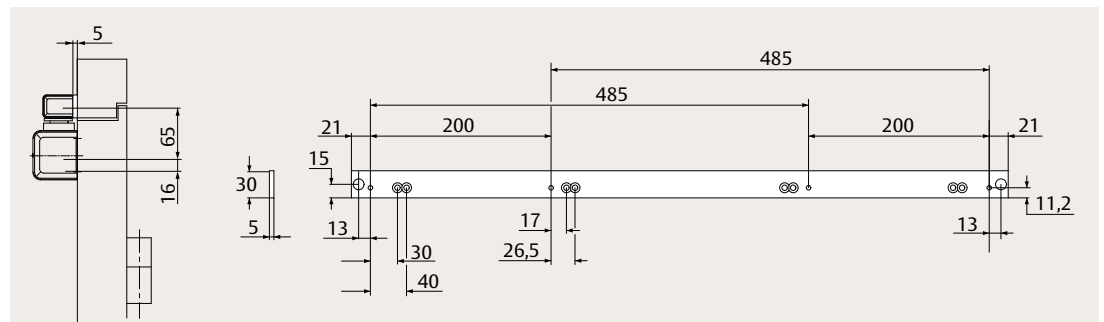
### DCFA06 mounting and replacement plate for narrow frames, 15 mm

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



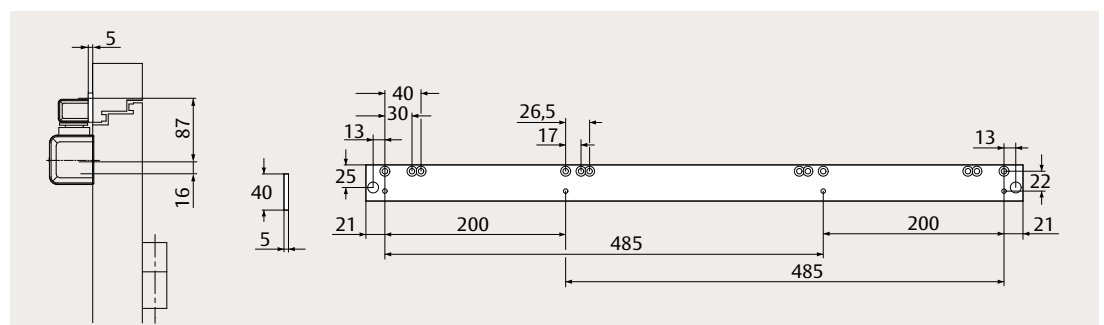
### DCFA08 replacement plate, 5 mm

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





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

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

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