



DC700G-CO-FT Technical Datasheet

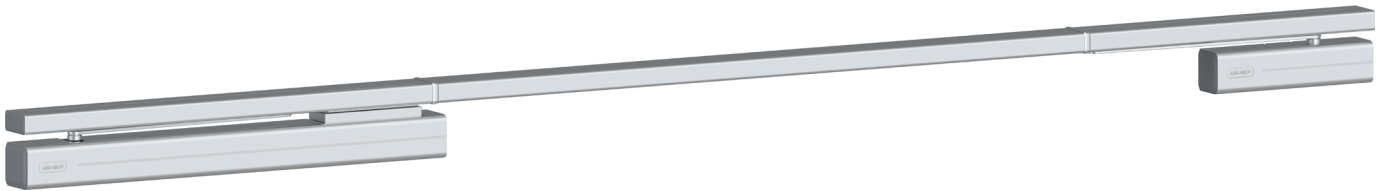
ASSA ABLOY
Opening Solutions

Security door closer with integrated latch bolt,
escape door strike and mechanical door coordinator

Experience a safer
and more open world

DC700G-CO-FT

Security door closer with Cam-Motion® technology, integrated latch bolt, escape door strike and mechanical door coordinator



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 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 1480 – 2500 mm hinge distance
- Barrier-free according to DIN 18040 (max. leaf width 1250 mm) and CEN/TR 15894
- Escape door strike tested according to EltVTR

Colours

- Silver, EV1
- Stainless steel design

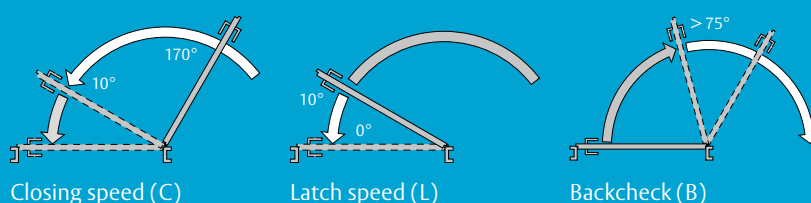
Features

- 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 indoor/outdoor 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

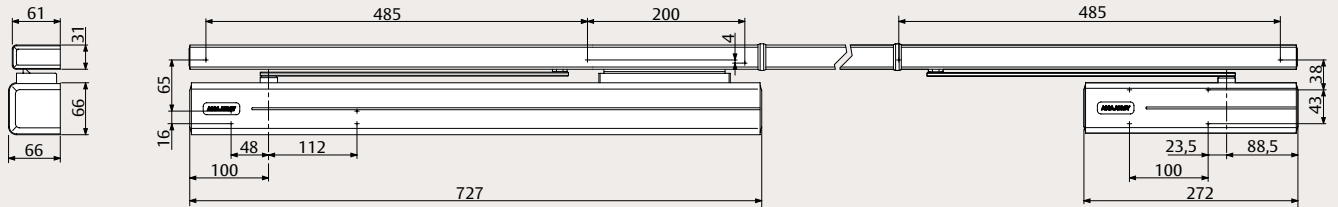
- **DCFA10/DCFA11** spacer plates for shimming guide rails over ASSA ABLOY drilling pattern
- **DCFA12/DCFA13** mounting and replacement plates for mounting over ASSA ABLOY drilling pattern and over existing drill holes when the guide rail is replaced
- **A188** mechanical opening damper, continuously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

Independent adjustment via front-facing valves



DC700G-CO-FT

Technical attributes and certification



DC700G-CO-FT, dimensions in mm



Technical attributes

Door closer

Closing force	EN size 3-6
Maximum active leaf width	1200 mm
Maximum hinge distance	1480 – 2500 mm
Closing speed (C)	Variable between 170° and 10°
Latch speed (L)	Variable between 10° and 0°
Backcheck (B)	Variable above 75°
Maximum opening angle	~170° (hinge side)
Door system	Double leaf
Handing	Left- / right-handed
Mounting methods	Leaf mounting on hinge side
Height-adjustable	Yes
Corrosion resistance	Grade 3 (96 hours)
Dimensions (H x D x L)	Door closer on active leaf: 66 x 66 x 727 mm Door closer on passive leaf: 64 x 58 x 272 mm Guide rail: 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



Visit assaabloy.com to download all relevant product literature



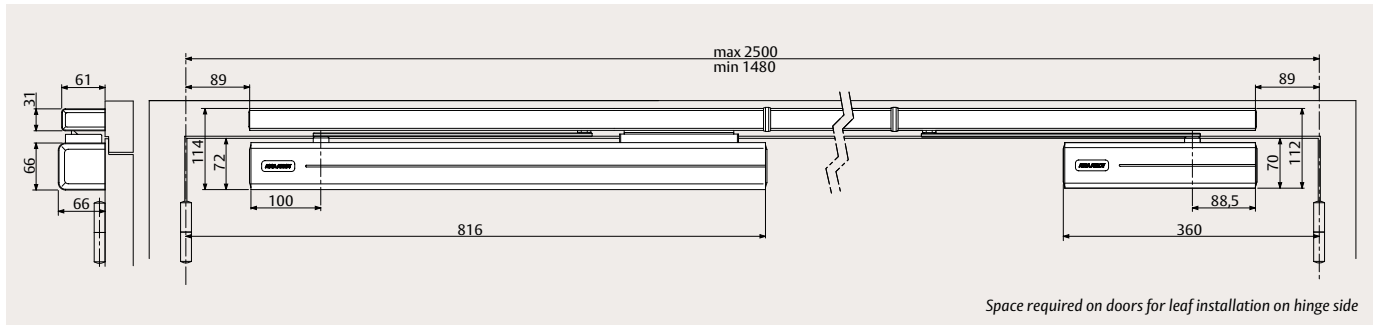
Certification and testing

Certified in compliance with	EN 1154 (for door closer) EN 1158 (for door coordinator) EltVTR (with 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



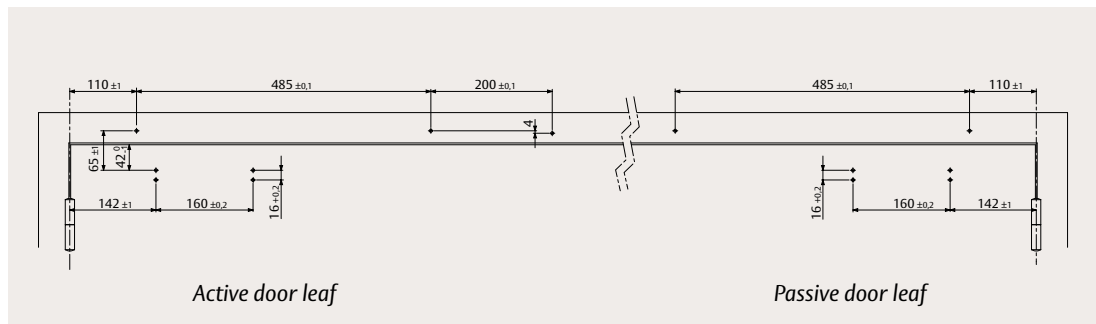
DC700G-CO-FT

Space requirement and mounting dimensions



Direct leaf mounting on hinge side; in compliance with EN 1154, supplement 1

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.

Accessories

Technical drawing of a mechanical part, showing a side view and a top view.

Side View Dimensions:

- Overall length: 1262
- Overall width: 30
- Overall height: 65
- Top flange width: 5
- Top flange height: 7
- Bottom flange height: 16
- Central slot width: 131
- Central slot height: 42
- Distance from left end to first hole: 10
- Distance between first and second hole: 30
- Distance between second and third hole: 398
- Distance between third and fourth hole: 30
- Distance between fourth and fifth hole: 11
- Distance between fifth and sixth hole: 200
- Distance between sixth and seventh hole: 62
- Distance between seventh and eighth hole: 300
- Distance between eighth and ninth hole: 400
- Distance between ninth and tenth hole: 300
- Distance between tenth and eleventh hole: 131
- Distance between eleventh and twelfth hole: 10
- Distance between twelfth and thirteenth hole: 30
- Distance between thirteenth and fourteenth hole: 485
- Distance between fourteenth and fifteenth hole: 30
- Distance between fifteenth and sixteenth hole: 10

Top View Dimensions:

- Overall width: 30
- Overall height: 65
- Top flange width: 5
- Top flange height: 7
- Bottom flange height: 16
- Central slot width: 131
- Central slot height: 42
- Distance from left end to first hole: 10
- Distance between first and second hole: 30
- Distance between second and third hole: 398
- Distance between third and fourth hole: 30
- Distance between fourth and fifth hole: 11
- Distance between fifth and sixth hole: 200
- Distance between sixth and seventh hole: 62
- Distance between seventh and eighth hole: 300
- Distance between eighth and ninth hole: 400
- Distance between ninth and tenth hole: 300
- Distance between tenth and eleventh hole: 131
- Distance between eleventh and twelfth hole: 10
- Distance between twelfth and thirteenth hole: 30
- Distance between thirteenth and fourteenth hole: 485
- Distance between fourteenth and fifteenth hole: 30
- Distance between fifteenth and sixteenth hole: 10

Technical drawing of a mechanical part, showing top and side views with dimensions.

Top View Dimensions:

- Overall length: 1262
- Overall width: 30
- Section 1 (Left): 10, 2, 30, 398, 485, 727, 6.2
- Section 2: 131, 300, 400, 300, 131
- Section 3 (Right): 10, 2, 30, 485, 527, 6.2

Side View Dimensions:

- Overall height: 65
- Overall width: 15
- Internal features: 7, 42, 16

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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--

Silver, EV1



Stainless steel design



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--

A188



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 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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