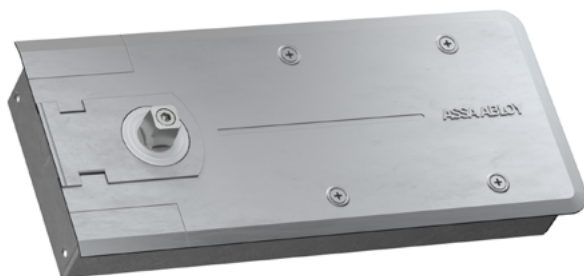


DC450EA

Floor spring with Cam-Motion® technology
for single and double action doors, size 2/3/4



DC450EA with Italian spindle, satin stainless steel

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

The DC450EA with fixed closing force is suitable for shallow applications. Balancing building design and accessibility, ASSA ABLOY floor springs are minimal on the outside and powerful on the inside – ideal for double action doors made of any material, even glass. The rapidly decreasing opening force of Cam-Motion technology ensures doors open with less effort.

- Certified in compliance with EN 1154, size 2, 3 or 4
- Suitable for fire and smoke protection doors (not for hold-open variants)
- For single and double action doors up to 1100 mm width and 120 kg weight
- Barrier-free according to CEN/TR 15894

Cover plate finishes

- Polished stainless steel
- Satin stainless steel

Features

- Premium construction provides double the industry standard for durability (over 1.000.000 test cycles)
- Hydraulic control from 170° in both door swing directions allows for smooth and controlled door operation
- Closing and latch speeds can be raised and lowered independently via top-facing valves
- Zinc plated cement box (only 40 mm high) allows for large adjustment range to fix any alignment problems without taking down the door
- Detachable spindle in different lengths (0-30 mm) and variants allows flexible installation
- Same dimensions for EN2, EN3 and EN4 products simplifies replacement
- Consistent performance in a wide range of temperatures

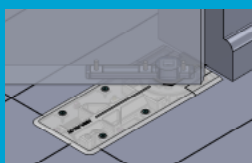
Product variants

- Hold-open at 105° (cannot be used on fire doors)
- Hold-open at 90° (cannot be used on fire doors)
- Without hold-open

Accessories

- **AC393** reversible bottom arm
- **AC8** double action top pivot
- **AC392** right and left bottom arm
- **CP619** cover plate

Versatile applications



Double action doors



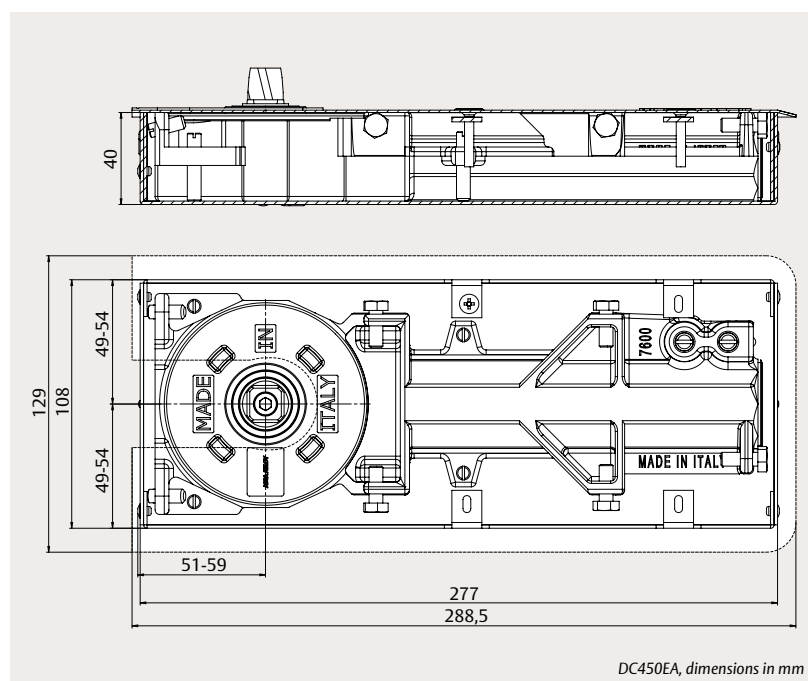
Left-handed doors



Right-handed doors

DC450EA

Technical attributes and certification



Technical attributes

Closing force	EN size 2/3/4
Maximum leaf width	850 mm / 950 mm / 1100 mm
Maximum door weight	120 kg
Closing speed (C)	Variable between 170° and 15°
Latch speed (L)	Variable between 15° and 0°
Hold-open mode	105° / 90° / without hold-open
Maximum opening angle	~170°
Handing	Left- / right-handed or double action
Force adjustment	No
Body adjustment within cement box	2 mm vertical 6 mm side 7 mm front 4° angle
Hinge distance	49 – 54 mm
Corrosion resistance	Grade 4 (240 hours)
Dimensions (H x D x L)	40 x 108 x 277 mm



Visit assaabloy.com to download all relevant product literature



Certification and testing

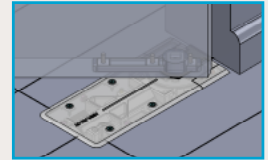
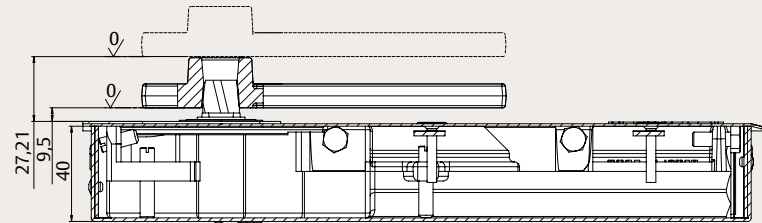
Certified in compliance with	EN 1154
CE classification	3 8 2/3/4 1 1 4
CE / UKCA mark	Yes
Suitable for fire and smoke protection doors	Yes (≥EN3)
Barrier-free according to	CEN/TR 15894
Third-party verified EPD	ISO 14025, EN 15804



DC450EA

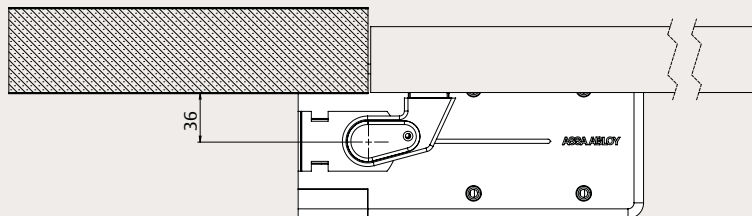
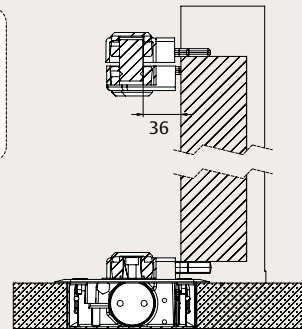
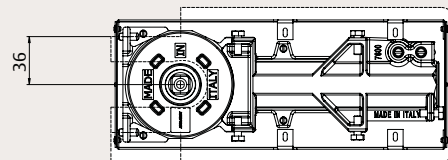
Mounting dimensions

Mounting on double action doors



Mounting on left- / right-handed doors

The drawing shows mounting
on a left-handed door. For
right-handed doors it is the
reverse.

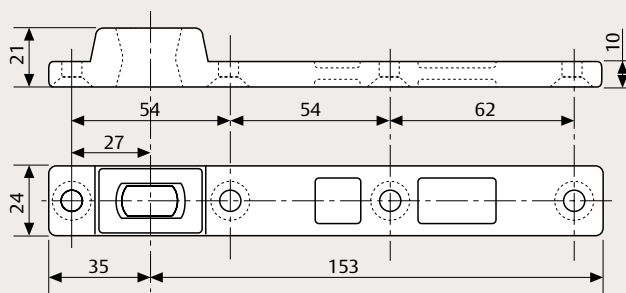


DC450EA

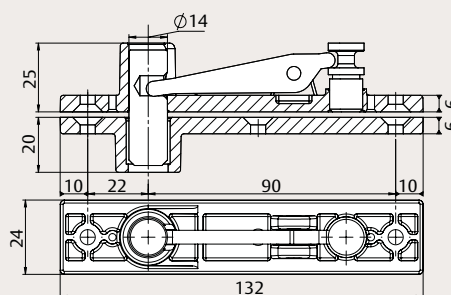
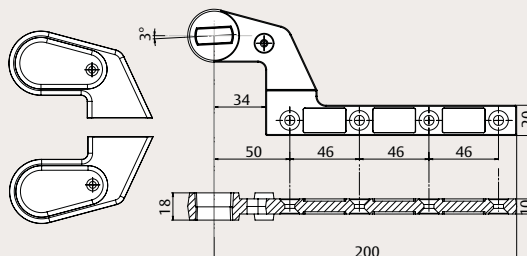
Accessories

**AC393 reversible
bottom arm**

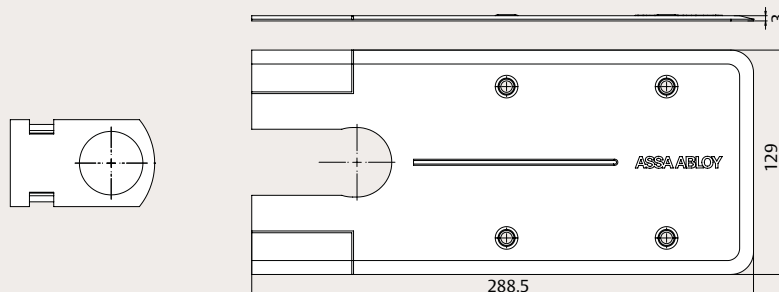
for double action doors

**AC8 top pivot**

for double action doors

**AC392 right and left
bottom arm**for single action doors,
36 mm offset**CP619 cover plate**

for DC450



DC450EA

Order information



Floor springs

DC450EA, EN size 2, with hold-open at 105°	DC450EA---2-105
DC450EA, EN size 2, with hold-open at 90°	DC450EA---2--90
DC450EA, EN size 2, without hold-open	DC450EA---2-NHO
DC450EA, EN size 3, with hold-open at 105°	DC450EA---3-105
DC450EA, EN size 3, with hold-open at 90°	DC450EA---3--90
DC450EA, EN size 3, without hold-open	DC450EA---3-NHO
DC450EA, EN size 4, with hold-open at 105°	DC450EA---4-105
DC450EA, EN size 4, with hold-open at 90°	DC450EA---4--90
DC450EA, EN size 4, without hold-open	DC450EA---4-NHO

Cover plates

CP619 cover plate for DC450EA, polished stainless steel	DCCP619-----PSS
CP619 cover plate for DC450EA, satin stainless steel	DCCP619-----SSS

Spindles

AC360 detachable German spindle, 0 mm, zinc plated	MA0360S0
AC361 detachable German spindle, 5 mm, zinc plated	MA0361S0
AC362 detachable German spindle, 10 mm, zinc plated	MA0362S0
AC363 detachable German spindle, 15 mm, zinc plated	MA0363S0
AC364 detachable German spindle, 20 mm, zinc plated	MA0364S0
AC365 detachable German spindle, 25 mm, zinc plated	MA0365S0
AC366 detachable German spindle, 30 mm, zinc plated	MA0366S0

Other accessories

AC393 reversible bottom arm, steel, socket for German spindle	MA0393S0
AC8 double action top pivot	MA0008S0
AC392 right and left bottom arm, steel, 36 mm offset, socket for German spindle, ABS cover silver	DCAC392---DEV1-
AC392 right and left bottom arm, steel, 36 mm offset, socket for German spindle, ABS cover black	DCAC392---D9004

DC450EA



CP619, polished



CP619, satin



AC360



AC393



AC392, silver



AC392, black

