

Door Closers Catalogue

MAB



ASSA ABLOY

ACCREDITA
CONFORME ALLE NORME UNI EN 15454
 Emissione di Certificati di Conformità
 per la Verifica di Conformità
 ai Requisiti Specifici
 per la Verifica di Conformità
 ai Requisiti Specifici
 per la Verifica di Conformità
 ai Requisiti Specifici

CERTIFICAZIONE DI PRODOTTO
PRODUCT CERTIFICATION

RIC
ICIM

CERTIFICATO N°
CERTIFICATE N°
055SAN/0

PRIMA CONSEGNA DEL PRODOTTO (PRIMO CERTIFICATO) - FOR THE FIRST DELIVERY OF THE PRODUCT (FIRST CERTIFICATE)

ASSA ABLOY Italia S.p.a.
 Via Boncompagni 13
 40017 SAN GIUSEPPE IN PERSICETO (BO) ITALY
UNIQUE REGISTERED - UNICO SITO

DISPOSITIVI DI CHIUSURA CONTROLLATA DELLE PORTE
CONTROLLED DOOR EXIT DEVICES
CONFORME ALLE SPECIFICAZIONI UNI EN 15454

Dispositivi di Chiusura Controllata delle Porte
 Serie 7700: An 7702 Cordex, X 8780MEX, con X isolante di insonorizzazione
 Serie 7700: An 7702 Cord Xwattex, con X Isolante di insonorizzazione

RIFERIMENTI AD ALTRI MARCHI / OTHER BRANDS
ASSA ABLOY
SC471 2

UNI EN 15454
CONFORME ALLE SPECIFICAZIONI UNI EN 15454

5 **1** **2** **1** **1** **4**

70003
CONFORME ALLE SPECIFICAZIONI UNI EN 15454

3	1.000.000	2	4	1	1	240
Category / Item	Quantity	Price	Unit / Price	Quantity	Quantity	Quantity

Price Estimates

Surface mounted Door Closers with Rack and Pinion technology and Selectable closing force

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Surface mounted Door Closers with Rack and Pinion technology and Fixed closing force

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Overhead door closers with Rack and Pinion technology and Adjustable closing force

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Surface mounted Door Closers with Cam-Motion® Technology and Adjustable closing force

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Surface mounted door closer 50

Compact and versatile

Features:

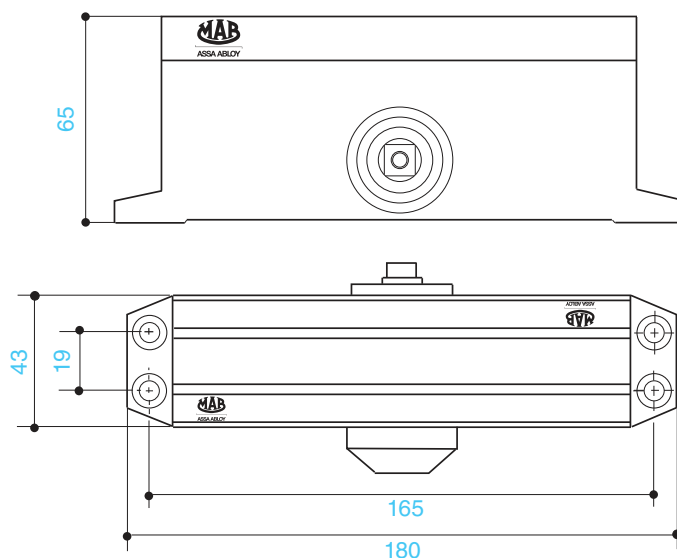
- Body in special alloy aluminium.
- Selectable closing force sizes 2-3-4 for door 850-1100 mm wide.
- Closing speed adjustable by non critical thermostatic valve.
- Final latch from approx. 10°. The latch angle is easily reduced by turning the forearm, up to its elimination (soft closing). The possibility to ensure an efficient closure also from an arc of just few degrees, guarantees reduced noise action in case of hard-to-close latches.
- Available Hold Open arm version.
- Standard finishes: silver, matt black, white.

Specification text:

Variable force 2-4 surface mounted door closer, with standard link arm and adjustable hold open arm, MAB 50 series.



Technical drawing





Surface mounted door closer 150

Compact and versatile



Features:

- Body in special alloy aluminium.
- Selectable closing force sizes EN 2/4 for door 850-1100 mm wide.
- Closing speed adjustable by non critical thermostatic valve.
- Final latch from approx. 10 °. The latch angle is easily reduced by turning the forearm, up to its elimination (soft closing). The possibility to ensure an efficient closure also from an arc of just few degrees, guarantees reduced noise action in case of hard-to-close latches.
- Standard finishes: silver, matt black, white RAL 9016.
- Certified **CE** for use with Fire rated doors.



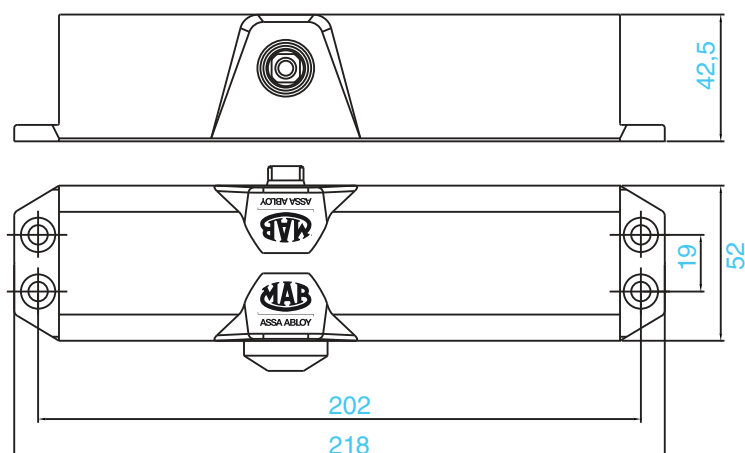
Specification text:

MAB 150 series, with selectable force EN 2-4 surface mounted door closer, CE certified with standard link arm.



CE	ASSA ABLOY Italia S.p.A. Via Bovaresa, 13 40017 San Giovanni Persiceto (BO) Italy		13					
	0359-CPD-0318	EN 1154:1996+A1:2002	4 3	8	2 4	1	1	3
Dangerous substance: None								

Technical drawing





Surface mounted door closer 200

Compact and versatile



Features:

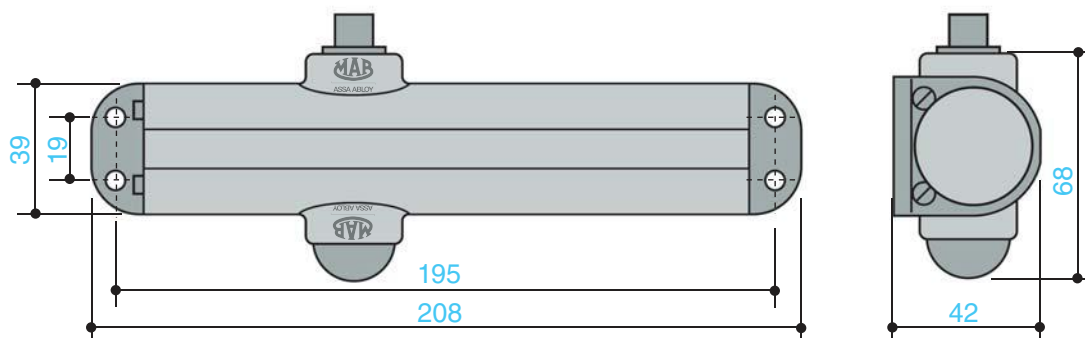
- Body in special alloy aluminium.
- Variable closing force sizes EN 2-4 for doors 750-1100 mm wide.
- Two valves for independent hydraulic control of closing speed and of final latch or final damping.
- Universal for regular mounting (pull side) or reversed mounting (push side).
- Opening to 180° for regular mounting.
- Finishes: silver, black, white.

Specification text:

Variable force EN 2-4 surface mounted door closer, with standard link arm and available with adjustable hold open arm and sliding rail, MAB 200 series.



Technical drawing



201 Series



Surface mounted door closer 201

Multifunction and versatile door closer

Features:

- Body in special alloy aluminium.
- Variable closing force sizes EN 2-4 for doors 750-1100 mm wide.
- Two valves for independent hydraulic control of closing speed and of final latch or final damping.
- Universal template for regular mounting (pull side) or reversed mounting (push side).
- Opening to 180° for regular mounting.
- Finishes: silver, matt black, white.
- Certified **CE** for use with Fire rated doors.

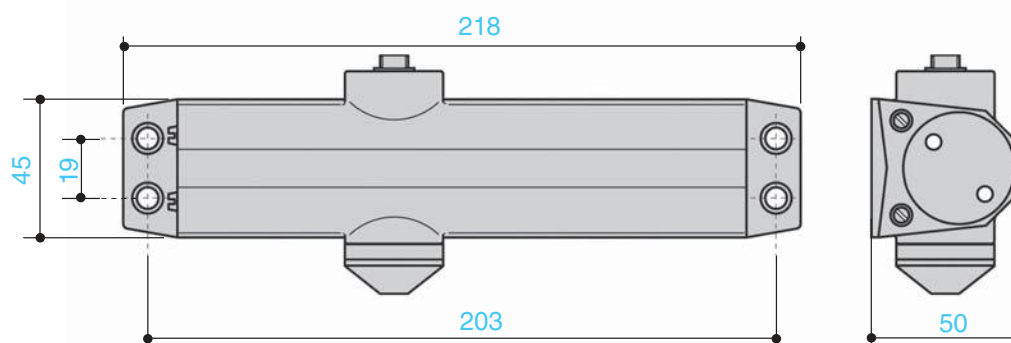
Specification text:

Variable force EN 2-4 surface mounted door closer, certified **CE** with standard link arm and available with adjustable hold open arm and sliding rail, MAB 201 series.



CE	ASSA ABLOY AB Klarabergsviadukten 90 107 23 Stockholm (Sweden)	04
1162 CPD. 0132	EN 1154:1996/A1:2002	4 8 3 1 1 3

Technical drawing



564 Series



Surface mounted door closer 564

Unique integrated MAB adjustable Hold open

Features:

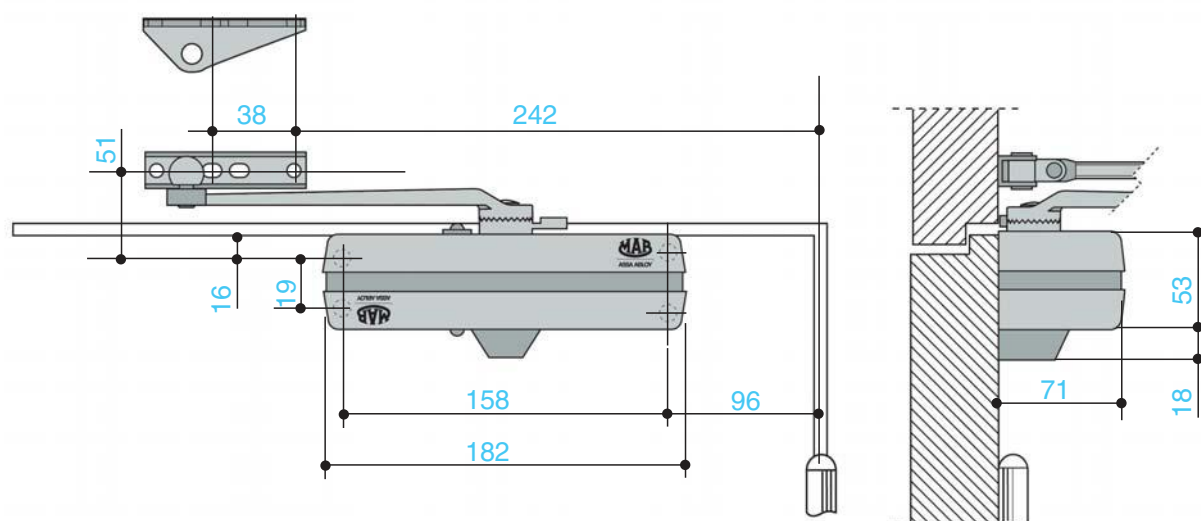
- Body in high duty cast iron.
- Cover in special impact resistant ABS.
- Variable closing force sizes EN 2-5.
- Integrated hold open device easily adjustable precisely to the desired angle.
- Closing speed 180°-10° adjustable by non critical thermostatic valve which, in case of Without-Final-Latch setting of the arm, controls the complete arc of closing.
- Final latch from approx. 10°. The latch angle is easily reduced by turning the forearm, up to its elimination (soft closing). The possibility to ensure a powerful latch also from an arc of just a few degrees guarantees reduced noisy action in case of hard-to-latch locks.
- Wide range of accessories to make all mountings possible.
- Standard finishes: silver, gold, light bronze, matt black, traffic white. Other finishes may be available on request.

Specification text:

Variable power EN 2-5 surface mounted door closer with integrated adjustable hold open device 70°-140°, thermostatic valve, MAB 564 series.



Technical drawing



609 Series



Surface mounted door closer 609

Multifunction heavy duty door closer

Features:

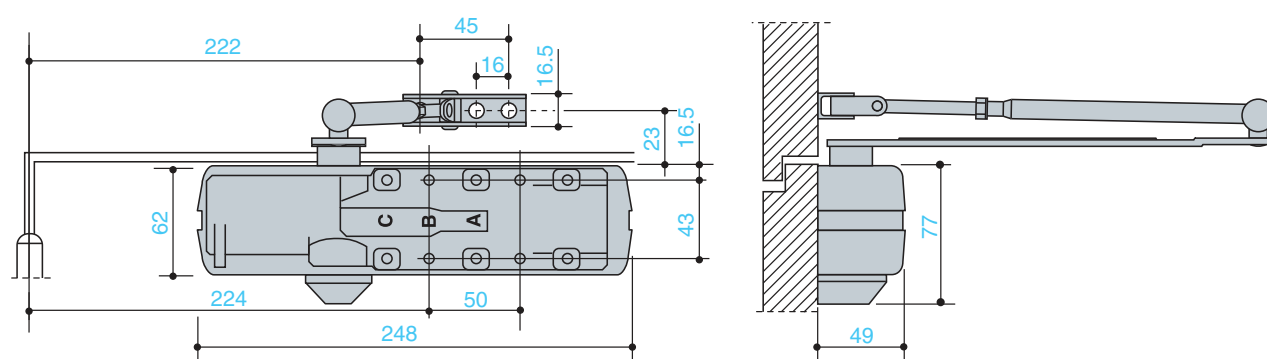
- Body in high duty cast iron.
- Recommended for fire doors and suitable for din drilling template (regular link arm and sliding rail).
- Conformity DIN EN1154 and **CE**.
- Closing from 180° controlled by two hydraulic valves.
- Final latch controlled by valve.
- Mounting on narrow profiles made easy by back plate AC174 (optional).
- Mounting with regular arm (variable force EN3-6 + **CE**), Hold Open arm (variable force EN3-6) and sliding arm (force EN3 + **CE**) to be ordered separately.
- Cover in high impact resistance ABS. Standard finishes: silver, matt black.

Specification text:

Cast iron body surface mounted closer with variable force EN3-6, one drilling template, certified **CE**, two independent speed valves, adjustable final latch angle, EN3 certified **CE** when mounted with sliding arm&rail, type MAB 609 series.



Technical drawing



400 Series



Surface mounted door closer 400

Compact and versatile



Features:

- Body in high duty cast iron.
- Cover in special impact resistant ABS.
- Two fixed forces EN 2 - 3.
- Closing speed 180°-10° and latching speed 10°- 0° adjustable by non critical thermostatic valves.
- Final latch from approx. 10°. The latch angle is easily reduced by turning the forearm, up to its elimination (soft closing). The possibility to ensure a powerful latch also from an arc of just a few degrees guarantees reduced noise action in case of hard-to-close latches.
- Built-in multipoint Hold Open 90° - 180° (optional).
- Wide range of accessories to make all mountings possible.
- Standard finishes: silver, gold, light bronze, matt black, traffic white.
- Mod 403 is certified  for use with Fire rated doors.

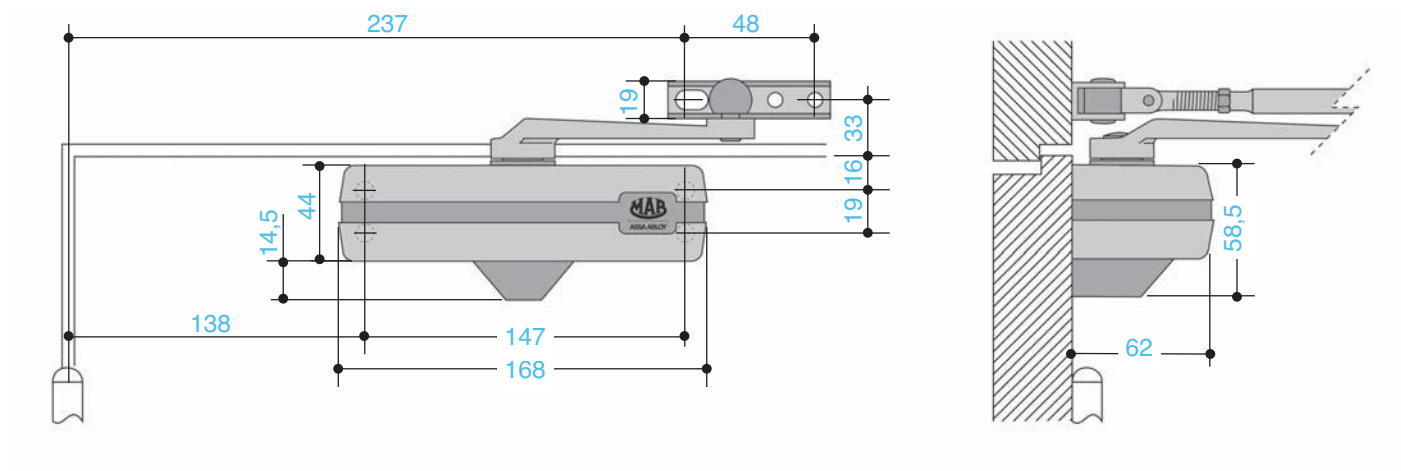
Specification text:

Compact surface mounted door closer forces EN 2 and EN 3  with cast iron body, with or without multipoint hold open, with adjustable angle final latch, MAB 400 series.



	ASSA ABLOY Italia S.p.A. Via Bovaresa 13 - 40017 San Giovanni in Persiceto (BO) Italy						10		
	0425 D0. 2304	EN 1154:1996+A1:2002	4	8	3	1	1	3	

Technical drawing





Rack and pinion door closer

Unique MAB adjustable Hold Open device

Features:

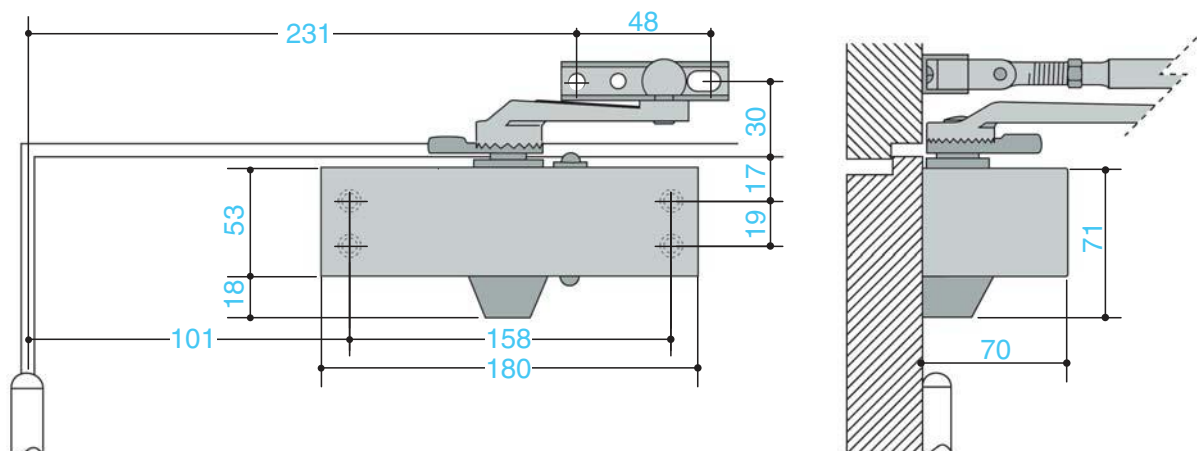
- Body in high duty cast iron.
- Cover in special impact resistant ABS.
- Closing force sizes EN 2-3.
- Integrated hold open device easily adjustable precisely to the desired angle. Recommended for EXTERIOR doors.
- Closing speed 180° - 10° adjustable by non critical thermostatic valve which, in case of Without-Final-Latch setting of the arm, controls the complete arc of closing.
- Final latch from approx. 10°. The latch angle is easily reduced by turning the forearm, up to its elimination (soft closing). The possibility to ensure a powerful latch also from an arc of just a few degrees guarantees reduced noisy action in case of hard-to-latch locks.
- Wide range of accessories to make all mountings possible.
- Standard finishes: silver, gold, light bronze, matt black, traffic white RAL 9016. Other finishes may be available on request.

Specification text:

Surface mounted door closer with integrated adjustable Hold open device 70°-140°, thermostatic, MAB 500 series.



Technical drawing



635 Series



Surface mounted door closer MAB 635

Adjustable size and groove spindle



Features:

- Adjustable power EN 3-5 with regular or hold open arm.
- Conformity EN 1154 and  recommended for fire doors.
- Body in high duty silicon aluminium alloy.
- Two independently adjustable speed valves and latching action.
- Insensitive to temperature changes.
- Overpressure relief valve.
- Opening to 180°.
- High efficiency.
- Easily adjustable arm height (14 mm).
- Mounting with sliding rail.
- Stock finishes: silver, matt black. Other finishes on request.

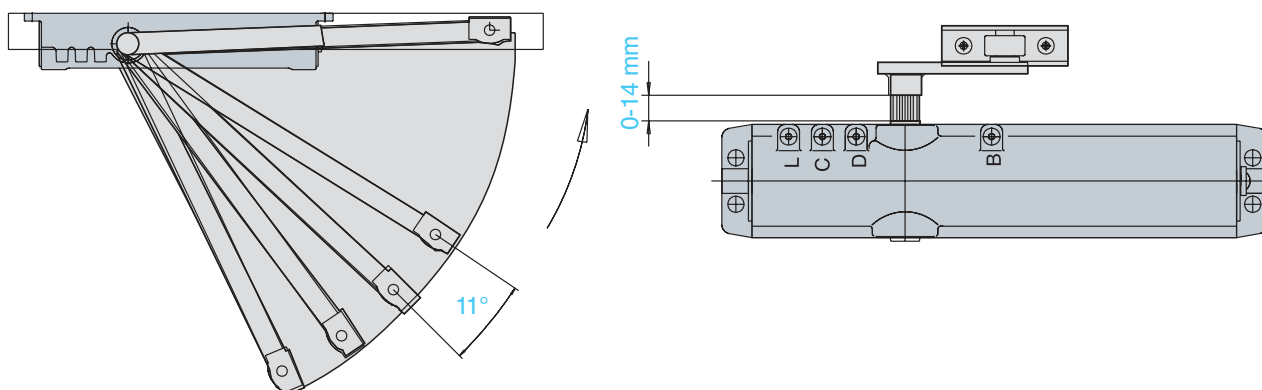
Specification text:

Adjustable power EN 3-5 door closers certified  two independent speed valves, overpressure relief valve, heavy duty for high frequency doors subject to abuse, MAB 635.



	Abloy Oy PO Box 108 80101 Joensuu, Finland	06
1162-CPD-0252	EN 1154:1996+A1:2002	4 8 5 1 1 3
Dangerous substances: None		

Technical drawing



2240 Series



Surface mounted door closer 2240

High performances for superior door controls



Features:

- Body in special alloy aluminium.
- Adjustable power 2-6 with standard link arm and EN 1-4 with sliding arm & rail.
- Vertical adjustability of arm.
- Two speed valves.
- Adjustable hydraulic back check.
- Two overpressure relief valves.
- Insensitive to temperature changes between -35° and + 50° C.
- High efficiency.
- Regular or reversed mounting on pull or push side of door.
- Full body covers in: ABS, satin s/steel.
- Finished for ABS covers: silver, gold, black, white.
- Suitable for interior or exterior doors.
- Suitable for doors up to and 1400x2500 for 2240 series.



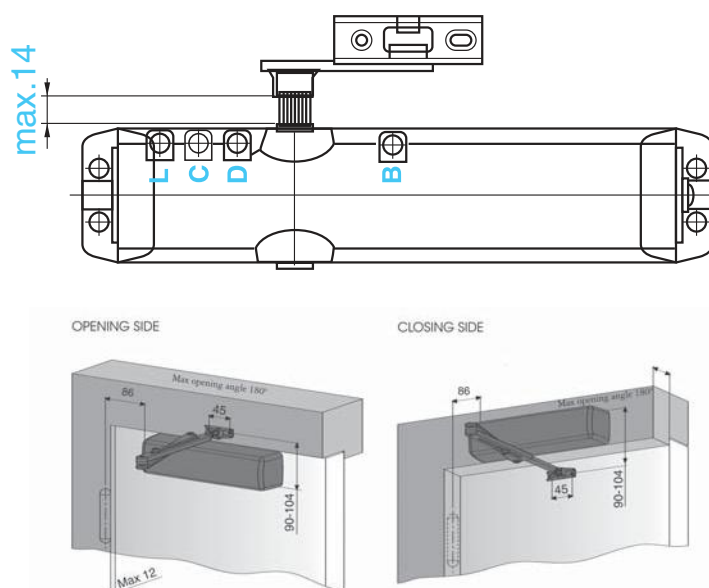
Specification text:

Special alloy aluminium body surface mounted closer with adjustable power EN 2-6, certified **CE**, two independent and thermostatic valves, adjustable final latch angle EN 1-4 certified **CE** when mounted with sliding arm & rail. Vertical adjustment of arms: the height of the arm can be adjusted up to 14 mm by moving upwards the grooved pinion, MAB 2240 series.



CE	Abloy Oy Wahlforsinkatu 20 FIN-80101 Joensuu	04					
		0432-CPD-0047	EN 1154:1996+A1:2002	4	8	6 2	1 1 3

Technical drawing



2250 Series



Surface mounted door closer 2250

Cam action technology for high performances



Features:

- Adjustable power 1-6 EN1154.
- Vertical adjustability of arm.
- Two speed valves.
- Adjustable hydraulic back check.
- Two overpressure relief valves.
- Insensitive to temperature changes between -25° and +45° C.
- High efficiency.
- Regular or reversed mounting on pull or push side of door.
- Full body covers in: ABS, satin s/steel.
- Finished for ABS covers: silver, gold, black, white.
- Suitable for interior or exterior doors.
- Suitable for doors up to 1250 x 2500 mm.

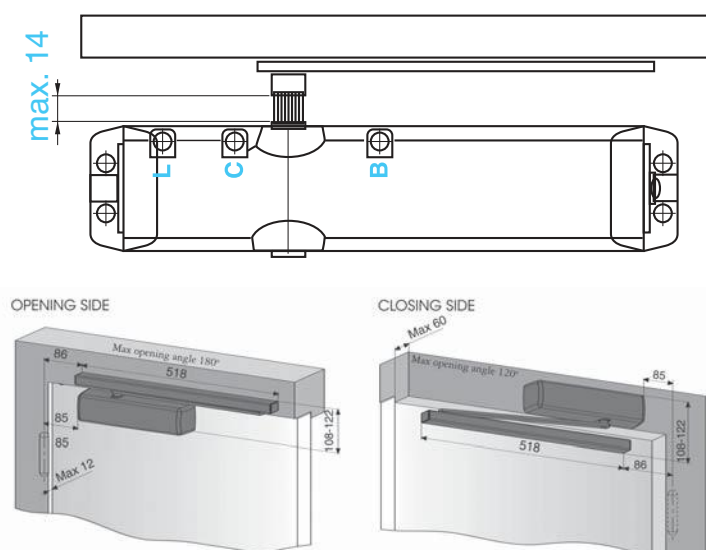
Specification text:

Special alloy aluminium body surface mounted closer with adjustable power EN 2-6, certified **CE** two independent and thermostatic valves, adjustable final latch angle EN 1-4 certified **CE** when mounted with sliding arm & rail. Vertical adjustment of arms: the height of the arm can be adjusted up to 14 mm by moving upwards the grooved pinion, MAB 2250 series.



CE	Abloy Oy Wahlforssinkatu 20 FIN-80101 Joensuu					04		
	0432-CPD-0047	EN 1154:1996+A1:2002	4	8	6 2	1	1	3

Technical drawing



800 Series



Concealed door closer 800

Multifuction and reversible door closer

Features:

- Body in high duty cast iron.
- Four forces EN 1-2-3-4 in two body sizes.
- Fully reversible for in-frame or in-door mounting.
- Non handed.
- Suitable for metal and timber doors.
- Two speed valves for individual control of closing and latching.
- Overpressure relief valve.
- Adjustable hold open (optional).
- Force sizes EN 3-4 have **CE** conformity.



Specification text:

Hydraulic rack and pinion door closer.

MAB 800 series fully concealed into the door or into the head frame, non handed, **CE** marked, suitable for fire doors, MAB 800 series.

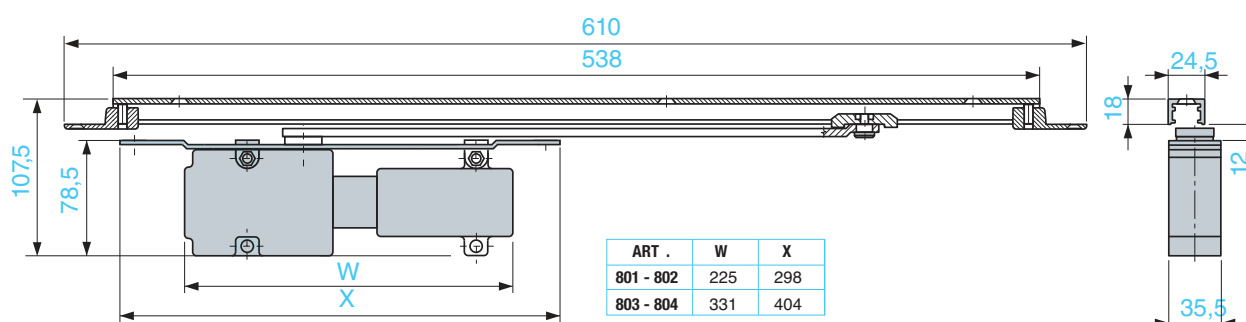


CE	ASSA ABLOY Italia S.p.A. Via Bovaresa 13 - 40017 San Giovanni in Persiceto (BO) Italy	04
0425 D0.0610	EN 1154:1996+A1:2002	3 8 3 1 1 4

CE	ASSA ABLOY Italia S.p.A. Via Bovaresa 13 - 40017 San Giovanni in Persiceto (BO) Italy	04
0425 D0.0609	EN 1154:1996+A1:2002	3 8 4 1 1 4



Technical drawing



900 Series



Concealed door closer 900

Cam action technology for high performances

Features:

- Body in high duty cast iron.
- Cam action for low opening moment.
- Adjustable power EN 2-4.
- Smooth power adjustability by bevel gears on ball bearing support.
- EN 1154 certified **CE** and marked.
- Non handed (one model for both left and right) and reversible (concealed in door or frame).
- ADA compliant for exteriors doors.
- Fits timber doors from 45 mm thickness.
- Fits metal / PVC profiles with 36 x 45 mm inner chamber.
- Max. opening 120°.
- Two speed valves:
 - One to control Closing speed from 120° to 0° (valve 2 closed).
 - Second to activate final latch from 15° to 0° (only incremental speed).
- Cushioned opening (device into the rail, standard).
- Overpressure relief valve.
- Adjustable Hold Open from 70° to 95° (device into the rail, optional) keeping the possibility to swing door up to 120°.



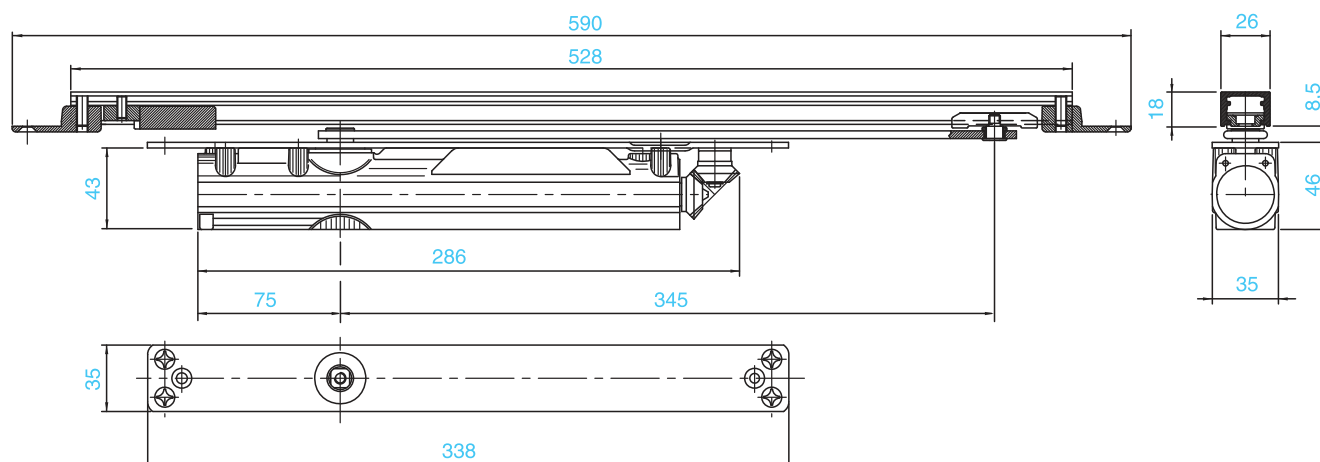
Specification text:

Concealed hydraulic door closer, cam action, adjustable power EN 2-4, non handed and reversible, **CE** certified, suitable for fire doors, MAB 900 series.



CE	ASSA ABLOY Italia S.p.A. Via Bovaresa 13 - 40017 San Giovanni in Persiceto (BO) Italy	06
0425 DO. 1112	EN 1154:1996+A1:2002	3 8 2 1 1 4

Technical drawing





4200 Series floor spring for thin slabs

Vertical adjustment and interchangeable spindle

Features:

- One body size in three force sizes EN2-3-4 for doors 750-1100 mm wide.
- Universal for right, left or double action doors.
- Cast iron body.
- Suitable for timber, metal and glass doors.
- Recommended for thin slabs.
- Adjustment in all directions within the cement box to help solve the problems of uneven floors without taking down the door.
- Pivot point 55 - 65 mm without re-locating the cement box.
- Thanks to one only template. Particularly user friendly in case of double action glass doors.
- Vertical adjustment within the cement box in addition to possibility of extended spindle.
- Hydraulic control over $\sim 175^\circ$ in both swings.
- Handed version with control from 180° available on request.
- Closing speed controlled by two easily adjustable non critical valves.
- Soft closing or powerful latching action adjusted by valve to ensure proper closing also in case of hard to latch locks.
- Variety of available spindles: square Italian, square French, rectangular German.
- Interchangeable spindle from 0 to + 30 mm.
- Architectural finishes: coverplates in polished s/steel, satin s/steel, polished brass.
- All models have quality certification EN1154. Versions force EN3-4, without Hold Open, have conformity **CE**



CE	ASSA ABLOY Italia S.p.A. Via Bovaresa 13 - 40017 San Giovanni in Persiceto (BO) Italy			04			
	0425 D0.0524	EN 1154:1996+A1:2002	3	8	3	1	4

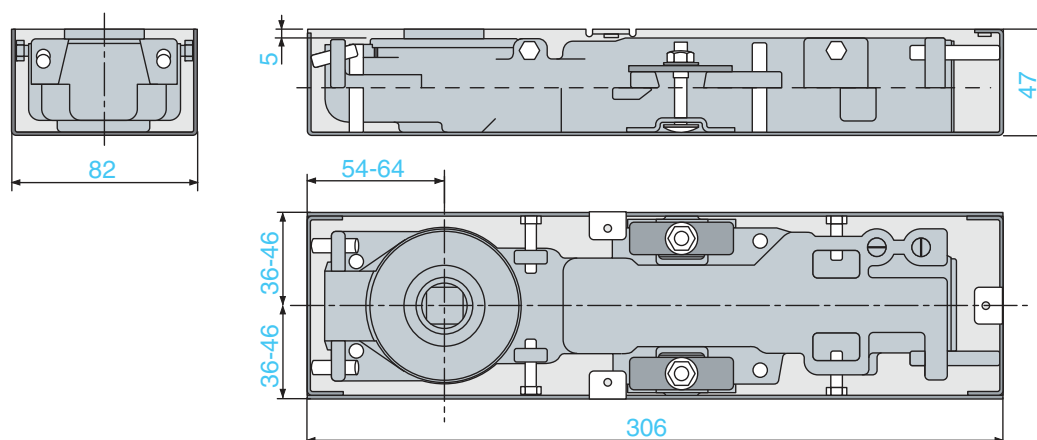
CE	ASSA ABLOY Italia S.p.A. Via Bovaresa 13 - 40017 San Giovanni in Persiceto (BO) Italy			04			
	0425 D0.0525	EN 1154:1996+A1:2002	3	8	4	1	4



Specification text:

Floor spring for thin slabs, forces EN 2-4, certified EN 1154, vertical adjustment within cement box, two independent speed valves, hydraulically controlled closing from $\sim 175^\circ$, variable pivot point 55-65 mm, MAB 4200.

Technical drawing



6000 Series



6000 Series floor spring for thin slabs with interchangeable spindles

Features:

- One body size in three force sizes EN2-3-4 for doors 750-1100 mm wide.
- Universal for right, left or double action doors.
- Cement box only 40 mm high.
- Cast iron body.
- Suitable for timber, metal and glass doors.
- Recommended for thin slabs.
- Adjustment in all directions within the cement box to help solve the problems of uneven floors without taking down the door.
- Pivot point 53 - 61 mm without re-locating the cement box thanks to one only template. Particularly user friendly in case of double action glass doors.
- Vertical adjustment within the cement box in addition to possibility of extended spindle.
- Hydraulic control over $\sim 130^\circ$ in both swings.
- Closing speed controlled by two easily adjustable non critical valves.
- Soft closing or powerful latching action adjusted by valve to ensure proper closing also in case of hard to latch locks.
- Variety of available spindles: square Italian, square French, rectangular German.
- Interchangeable spindle from 0 to + 30 mm.
- Architectural finishes: coverplates in polished s/steel, satin s/steel, polished brass.
- All models have quality certification EN1154. Versions force EN3-4, without Hold Open, have **CE** conformity.



CE	ASSA ABLOY Italia S.p.A. Via Bovaresa 13 - 40017 San Giovanni in Persiceto (BO) Italy					13		
	1121-CPD-AD5075	EN 1154:1996+A1:2002	3	8	3	1	1	3

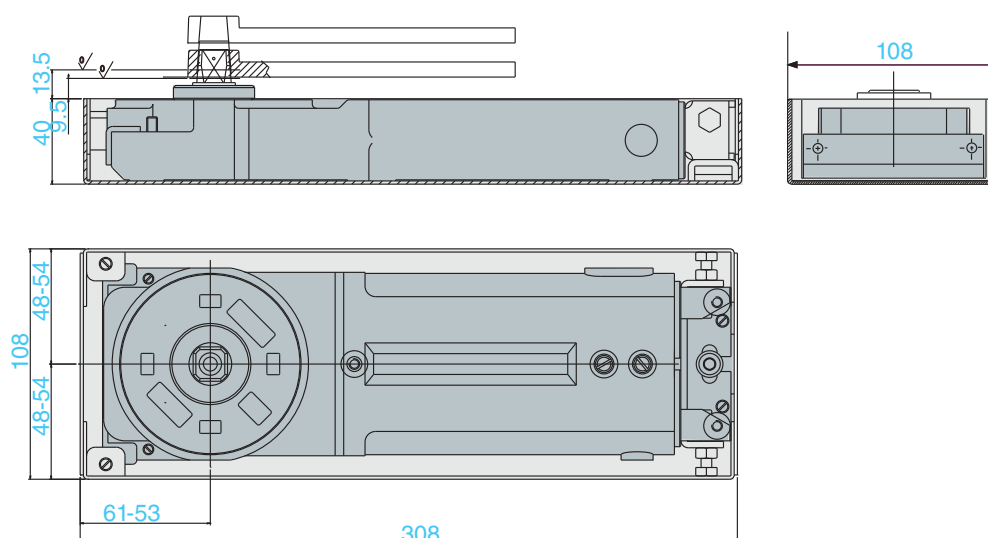
CE	ASSA ABLOY Italia S.p.A. Via Bovaresa 13 - 40017 San Giovanni in Persiceto (BO) Italy					13		
	1121-CPD-AD5076	EN 1154:1996+A1:2002	3	8	4	1	1	3



Specification text:

Floor spring for thin slabs, forces EN 2-4, certified EN 1154, vertical adjustment within cement box, two independent speed valves, hydraulically controlled closing from $\sim 130^\circ$, variable pivot point 53 - 61 mm, MAB 6000.

Technical drawing



7100 Series



Compact floor spring 7100

Opening angle up to 180° in both side

Features:

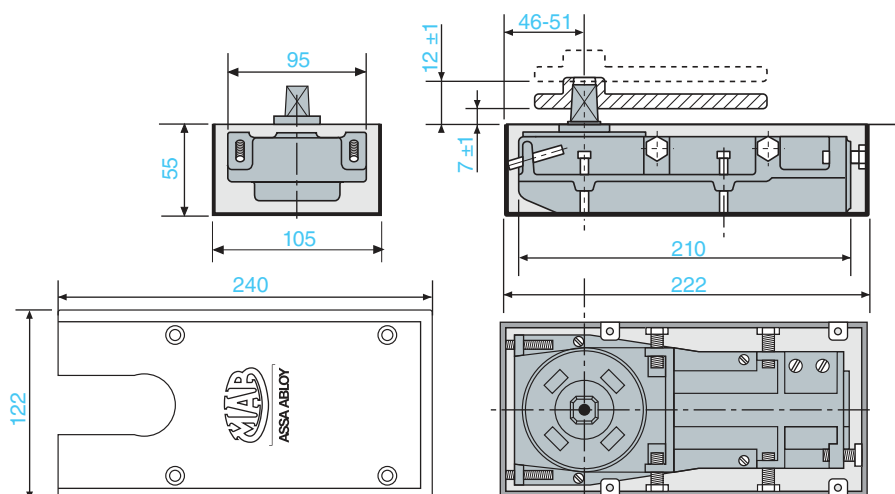
- Body in high duty cast iron.
- One body size for three closing force sizes EN1 - EN2 - EN3.
- Universal for right, left or double action doors.
- Suitable for door up-to 100 Kg.
- Suitable for timber, metal and glass doors.
- Ideal for commercial and residential interiors thanks to its compact size and its low opening force (required by children, elderly and disabled users).
- Adjustment in all directions to solve floor level problems without taking down the door.
- Wide range of vertical adjustment to solve problems of undue door friction without need of additional spindle extensions.
- Opening up to 180° in both swings with hydraulic control from approx 135°. Free rotation from 135° to 180°. Hold open at 90°, 105° or any angle between 135° and 180°.
- Closing speed controlled by two easily adjustable independent non critical valves.
- Soft closing or powerful latching action to ensure proper closing also in case of hard-to-latch locks.
- Architectural finishes: coverplates in polished stainless steel, satin stainless steel, polished brass.
- Available with Italian spindle (standard) or French spindle.



Specification text:

Compact floor spring forces EN1-EN2-EN3 with opening to 180° in both swings with two independent thermostatic valves for speed and latch control, suitable for doors up-to 100 Kg, MAB 7100 series.

Technical drawing



7300 Series



Universal floor spring 7300

High and opening angle up-to 180°

Features:

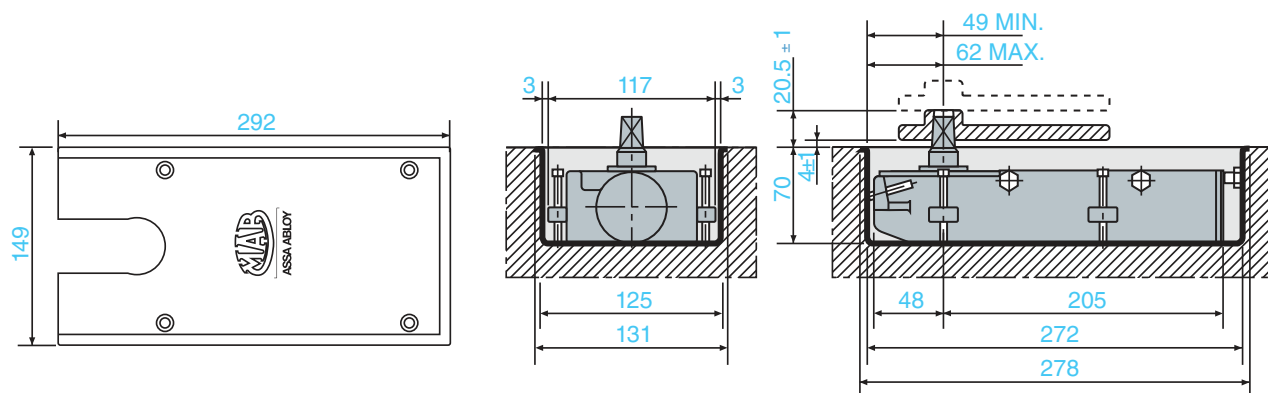
- Body in high duty cast iron.
- Universal for right, left or double action doors.
- Suitable for door up-to 120 Kg.
- Suitable for timber, metal and glass doors.
- Hold open at 90°, 105° or multipoint 105°- 180° (hinge effect).
- Large range of adjustment within cement box to solve possible alignment problems on site without taking down the door.
- Wide range of vertical adjustment (15 mm) to solve problems of undue door friction without need of additional spindle extensions, or for mounting underneath carpeted floors.
- Opening up to 180° in both swings with hydraulic control from approx 105°. Free rotation from 105° to 180°.
- Closing speed controlled by two easily adjustable independent non critical valves.
- Soft closing or powerful latching action to ensure proper closing also in case of hard-to-latch locks.
- Architectural finishes: coverplates in polished stainless steel, satin stainless steel.
- Available with Italian spindle (standard) or French spindle.
- Conformity to EN1154.



Specification text:

Universal floor spring forces EN 3, with opening to 180° in both swings with two independent thermostatic valves for speed and latch control, suitable for doors up-to 120 Kg, MAB 7300 series.

Technical drawing



7600 Series



7600 Series floor spring for thin slabs with interchangeable spindles

Features:

- Fix Size EN3 for doors ≤ 950 mm and EN4 for doors ≤ 1100 mm.
- Max door weight 120 kg.
- Universal for right, left and double action doors.
- For internal and external doors.
- Cement box only 40 mm height, to suit thin slabs.
- Cast iron body to ensure strong durability.
- Adjustment in all direction within the cement box.
- Pivot point 51-59 mm without re-locating the cement box thanks to one template.
- Hydraulic control over 130° in both swings.
- Closing speed and latching speed controlled by two independent thermodynamic valves to ensure consistent performance.
- Overpressure valve relief.
- Interchangeable spindles: Italian and German, from + 0 to + 30 mm.
- Cover plate and eyelet in polished and satin stainless steel for a consistent aesthetic appeal.
- EN1154 certified.
- **CE** mark pending.



Specification text:

Floor Spring MAB7600, for doors up to 120 kg; fix Size EN3 for doors ≤ 950 mm; EN4 for doors ≤ 1100 mm; EN1154 certified. Non-handed, also suitable for double action doors. Cement box 40 mm only to suit thin slabs. Wide range of adjustments within the cement box. Hydraulic control over 130° in both swings. Closing speed and latching speed controlled by two independent thermodynamic valves. Variable pivot point 51-59 mm. Including hot zinc plated cement box, Interchangeable Italian or German spindle and cover plates. Cover plate and eyelet material and finish: polish stainless steel, satin stainless steel.

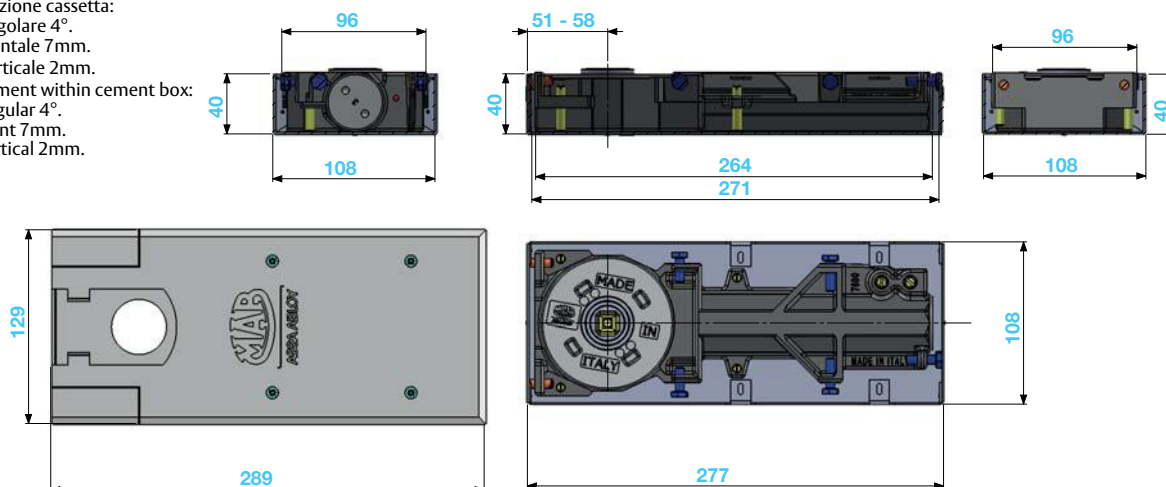
Technical drawing

Regolazione cassetta:

- Angolare 4°.
- Frontale 7mm.
- Verticale 2mm.

Adjustment within cement box:

- Angular 4°.
- Front 7mm.
- Vertical 2mm.



7700 Series



Universal floor spring 7700

Adjustable power and mechanical back check

Features:

- Body in high duty cast iron.
- Adjustable power EN 2-4 by means of stepless governor which coupled with high efficiency allows a real personalization of opening/closing forces.
- Universal for right, left or double action doors.
- Suitable for doors up-to 170 Kg.
- Suitable for timber, metal and glass doors.
- Ideal for residential interiors thanks to adjustable opening/closing force that makes door opening/closing easy.
- Large range of adjustment within cement box to solve possible alignment problems on site without taking down the door.
- Opening up to 180° in both swings with hydraulic control from approx 150°, hold open at 90°, 105° or any angle between 150° and 180°. The non hold open version has a back stop at 150°.
- Closing speed controlled by two easily adjustable independent thermostatic valves: soft closing or powerful latching action to ensure proper closing also in case of hard-to-latch locks.
- Over pressure valve to safe guard the mechanical components in case of abuse.
- Mechanical back check to prevent uncontrolled openings.
- Variety of available spindles: square Italian (standard), square French, rectangular German, spindles.
- Interchangeable spindle from 0 to + 30 mm.
- Architectural finishes: cover plates in polished stainless steel, satin stainless steel, polished brass.



Specification text:

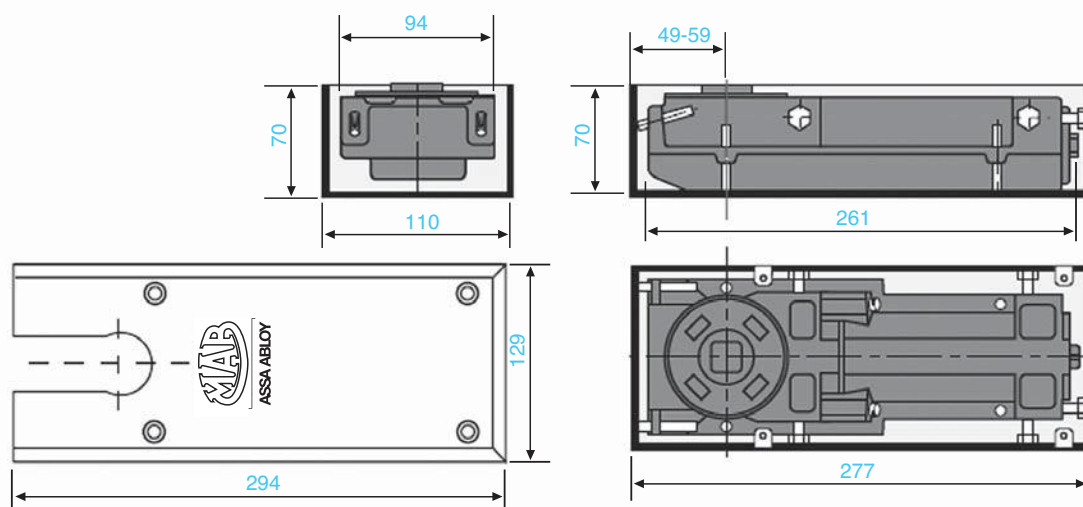
Adjustable power floor spring with stepless power adjustment

EN3-6, certified **CE**, two closing speed valves with independent hydraulic circuits, interchangeable spindle, mechanical Back Check, overpressure relief valve, vertical adjustment within cement box, max. load 170 kg, MAB 7700 series.



CE	ASSA ABLOY Italia S.p.A. Via Bovaresa 13 - 40017 San Giovanni in Persiceto (BO) Italy				10			
	0425 DO. 2221	EN 1154:1996+A1:2002	3	8	2 4	1	1	4

Technical drawing



750 Series



Heavy duty floor spring 750

Adjustable power for large and very heavy doors

Features:

- Body in high duty cast iron.
- Adjustable power EN 3-6 by means of stepless governor which coupled with high efficiency allows a real personalization of opening/closing forces.
- Recommended for large and very heavy doors up to 300 kg thanks to large piston displacement that ensures a real hydraulically controlled damping action.
- Closing from approx 175° in both swings under hydraulic control. Handed version with control from 180° available on request.
- Two independent thermostatic valves for precise adjustment of general closing speed, final latch or final damping.
- Hold open at 90°, 105° or non hold open.
- Back Check effect.
- Overpressure relief valve to protect unit against abuse.
- Large range of adjustment within cement box to solve possible alignment problems on site without taking down the door.
- Cement box in hot zinc plated steel.
- Variety of available spindles: square Italian, square French, rectangular German.
- Interchangeable spindle from 0 to + 30 mm.
- Architectural finishes: coverplate in polished s/steel, satin s/steel, polished brass.
- Delayed closing action (optional) between approx. 175° and 80° controlled by hydraulic valve. With this option final latch is not performed.
- All models have quality certification EN1154. Version without Hold Open has **CE** conformity.

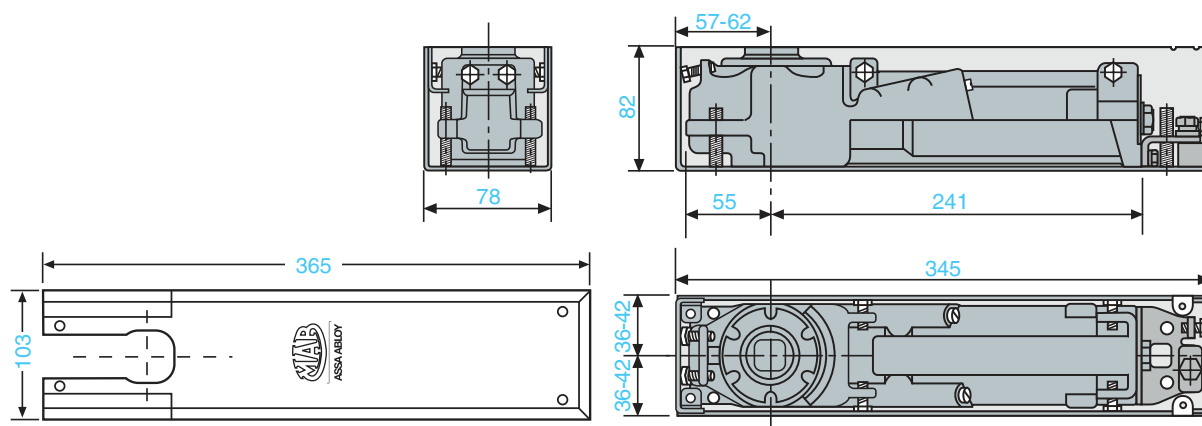
Specification text:

Heavy duty floor spring with stepless power adjustment EN3-6, certified **CE**, two closing speed valves with independent hydraulic circuits, interchangeable spindle, mechanical Back Check, overpressure relief valve, vertical adjustment of 9 mm within cement box, max. load 300 kg, MAB 750 series.



CE	ASSA ABLOY Italia S.p.A. Via Bovaresa 13 - 40017 San Giovanni in Persiceto (BO) Italy			04			
	0425 D0. 0663	EN 1154:1996+A1:2002	3	8	3/6	1	4

Technical drawing



Accessories for timber and metal door

 Kg. max. 170 Kg. max. 300

max. 300

 max. 300 max. 300 max. 100 Kg. max. 170

 max. 300

 max. 300 max. 300

Floor Springs Accessories

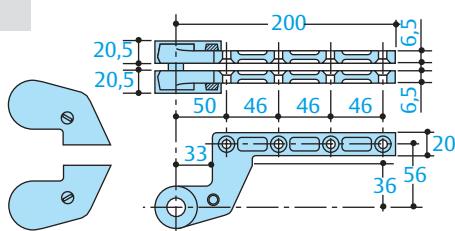
Accessories for timber and metal door

Code

Top pivot in steel for left or right doors
36 mm offset.

AC 384

 max. 300

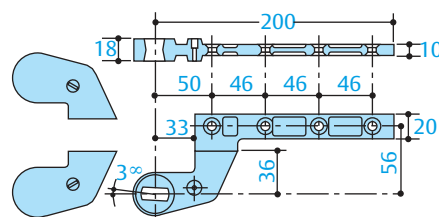


Code

Right and left bottom arm in steel for single
acting doors, 36 mm offset. Rectangular
German socket.

AC 392

 max. 300

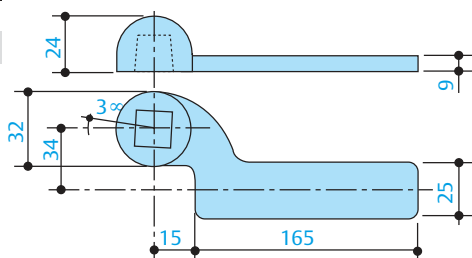


Code

Left bottom arm in natural brass for single acting
doors. Square Italian spindle.

AC 3

 max. 100

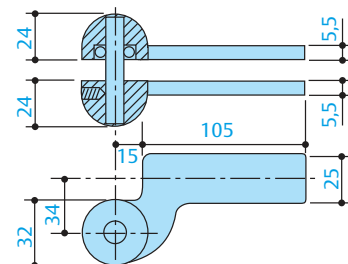


Code

Single acting top pivot in natural brass with
ball bearing for right or left doors.

AC 7

 max. 100

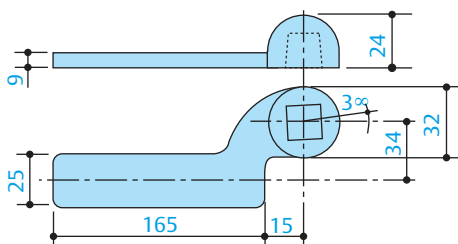


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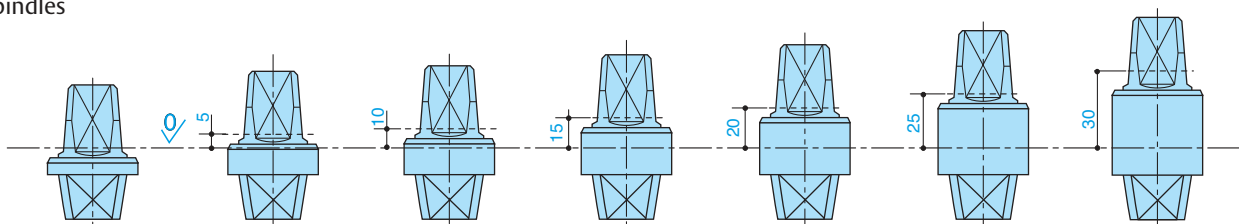
Right bottom arm in natural brass for single
acting doors. Square Italian spindle.

AC 1

 max. 100



Detachable spindles



Code

Code

Code

Code

Code

Code

Code

AC 340

AC 341

AC 342

AC 343

AC 344

AC 345

AC 346

AC 360

AC 361

AC 362

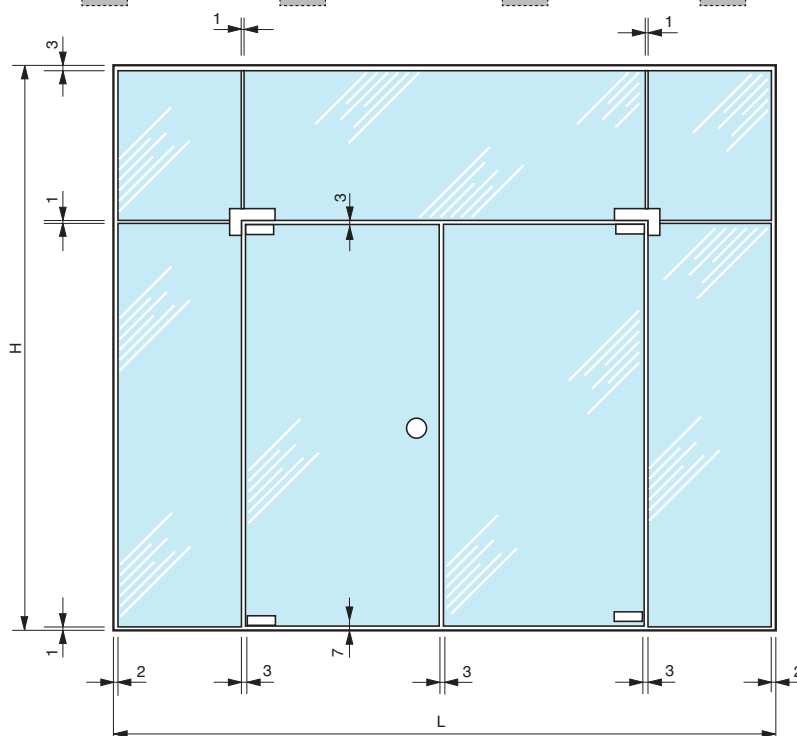
AC 363

AC 364

AC 365

AC 366





V 502

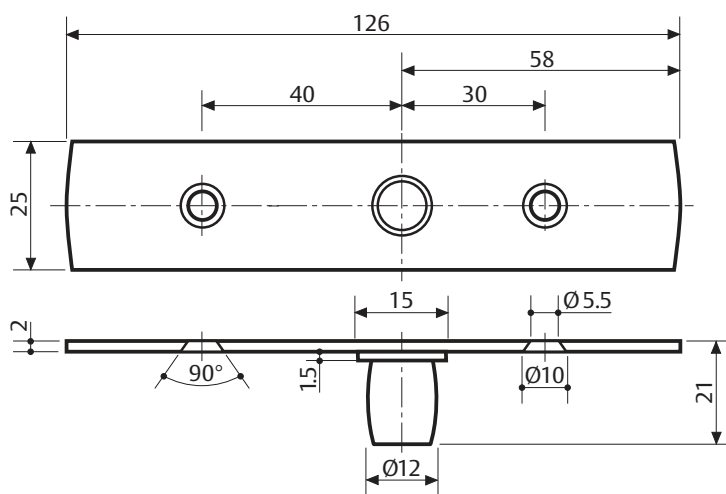
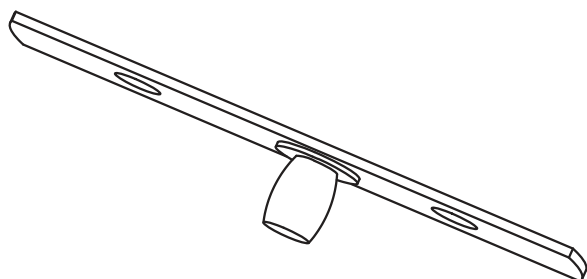
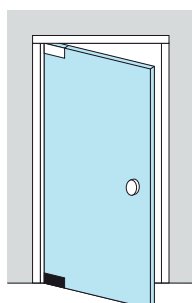
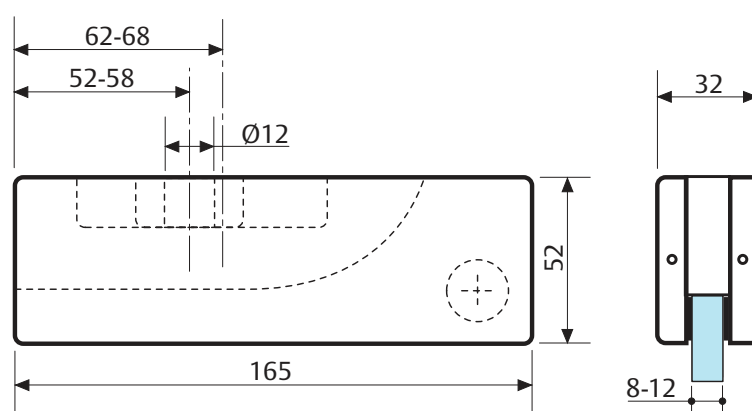
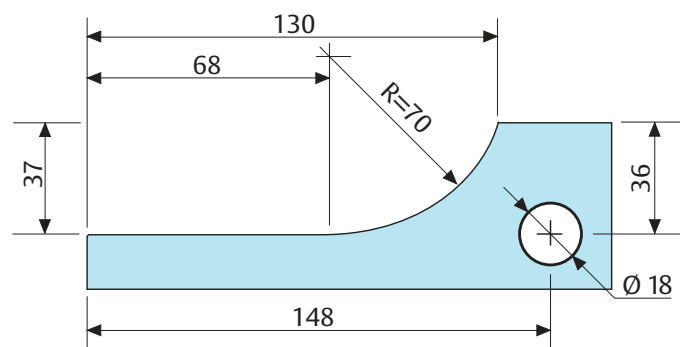
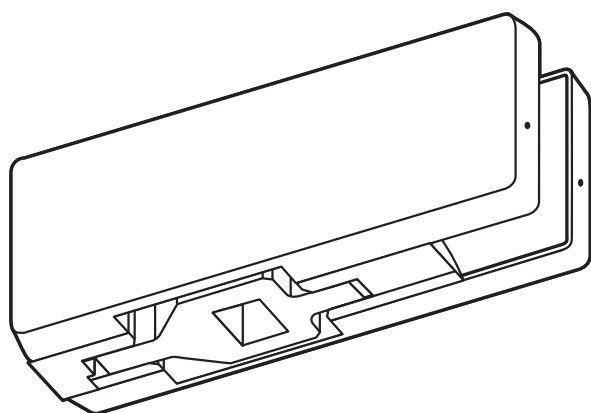


Plate with pivot for top hinge V 501

V 500

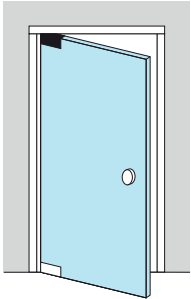
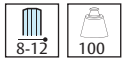
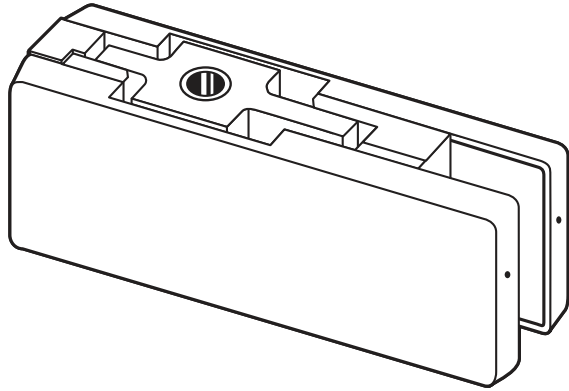


Bottom hinge for centre-hung doors



Satin S/Steel Polished S/Steel Aluminium anodized

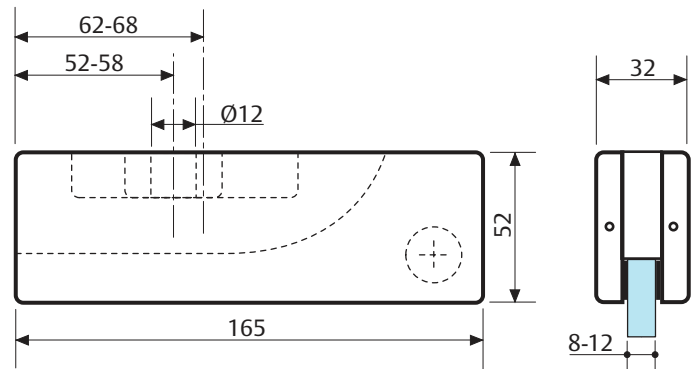
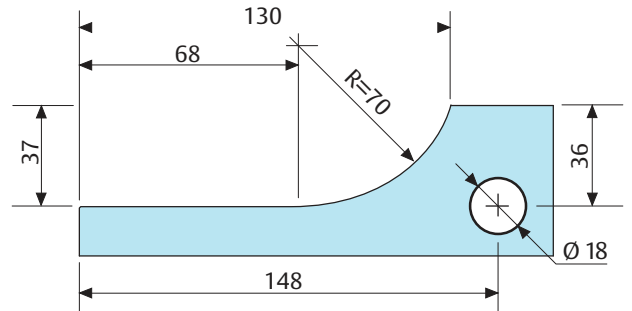
V 501



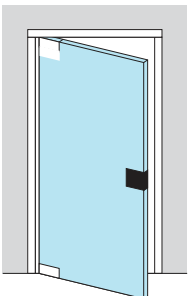
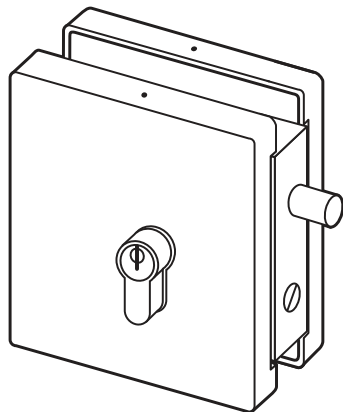
Top hinge for centre-hung doors



Satin S/Steel Polished S/Steel Aluminium anodized



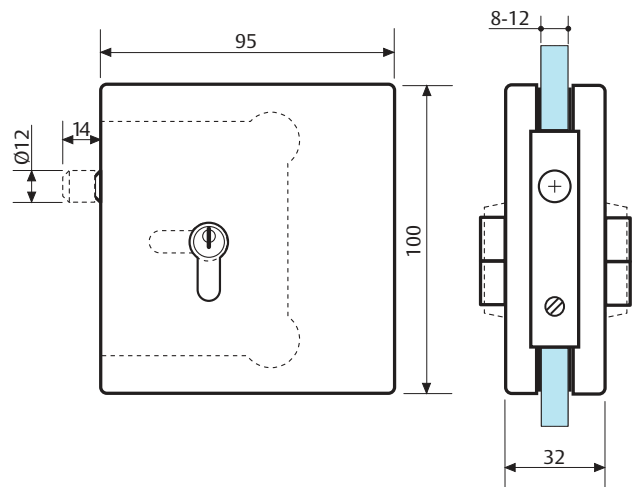
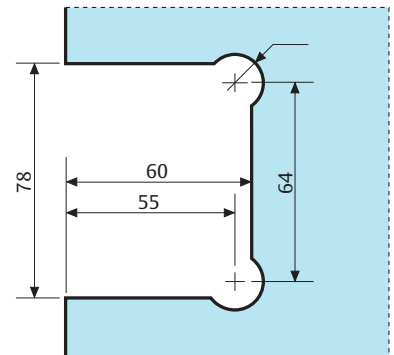
V 522



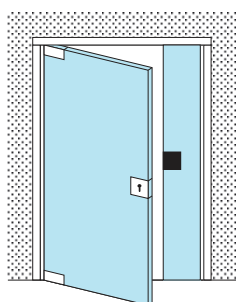
Centre lock (cylinder not included)



Satin S/Steel Polished S/Steel Aluminium anodized



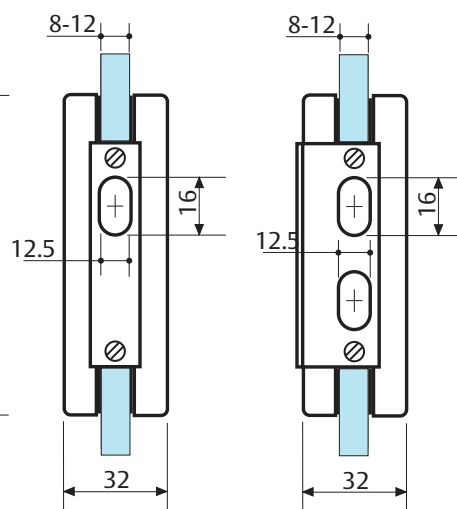
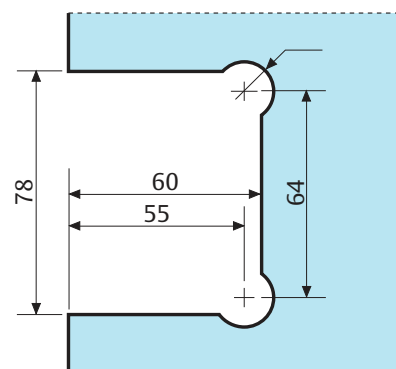
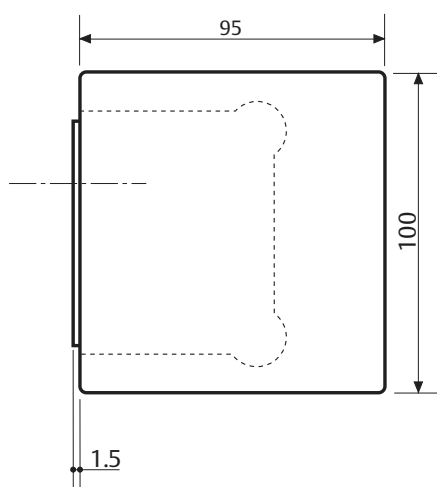
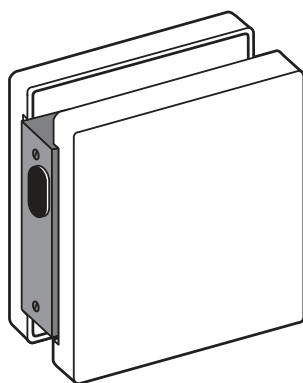
V 523



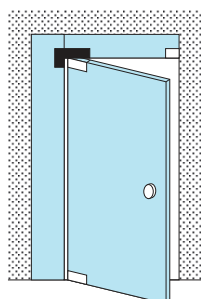
Strike patch for centre lock



Satin S/Steel Polished S/Steel Aluminium anodized



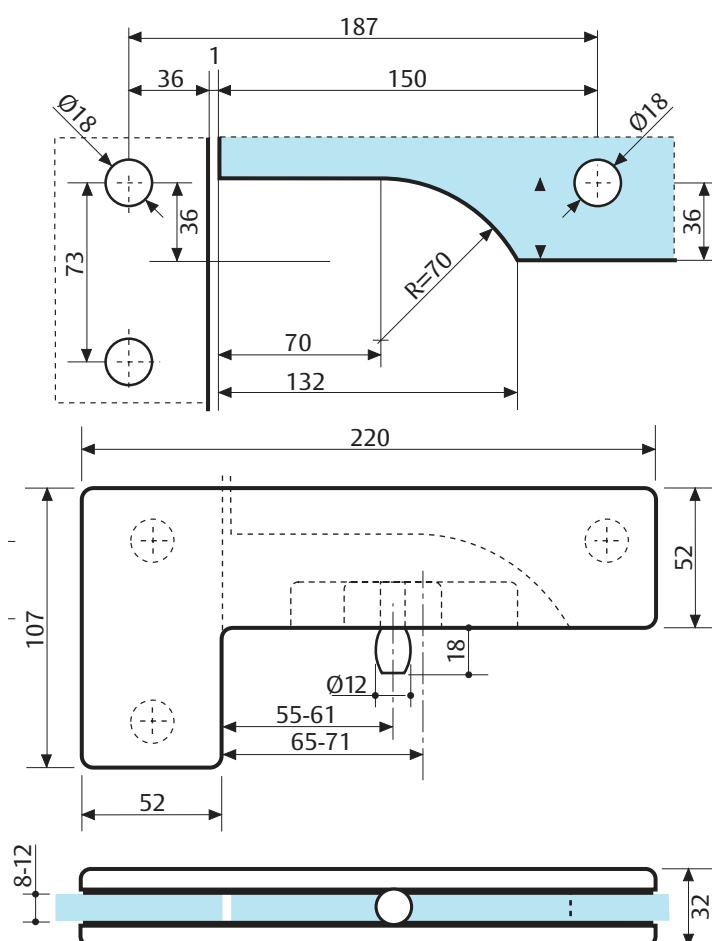
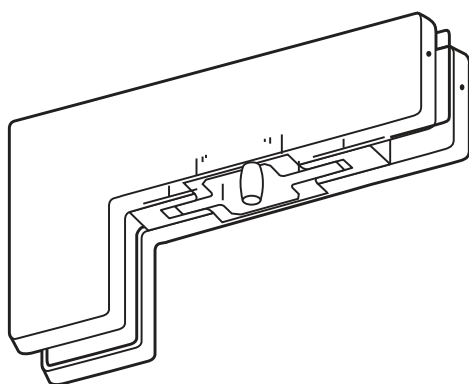
V 508



Transom and side panel ink patch (hinge side) with pivot



Satin S/Steel Polished S/Steel Aluminium anodized



5600 Series



Transom concealed door closer 5600

Low opening force

Features:

- Body in high duty cast iron.
- High efficiency hardened steel mechanism.
- Low opening force.
- Two independent, non-critical closing speed valves.
- Fully adjustable final latch.
- One body size.
- Power sizes 1 - 2 - 3 according to EN / ANSI.
- Available with hold open at 90°, 105° or non hold open.
- Standard spindle height mm 21.

Specific features:

The high efficiency (min. 70%) and the particular design of the mechanism enable the door to be opened with low and constant effort from 0° through 90° in compliance with ADA (USA) and CEN TR15894 requirements for interior and exterior doors.

Power size 1 (for interior doors): max opening force through 90° less than 17 Nm.

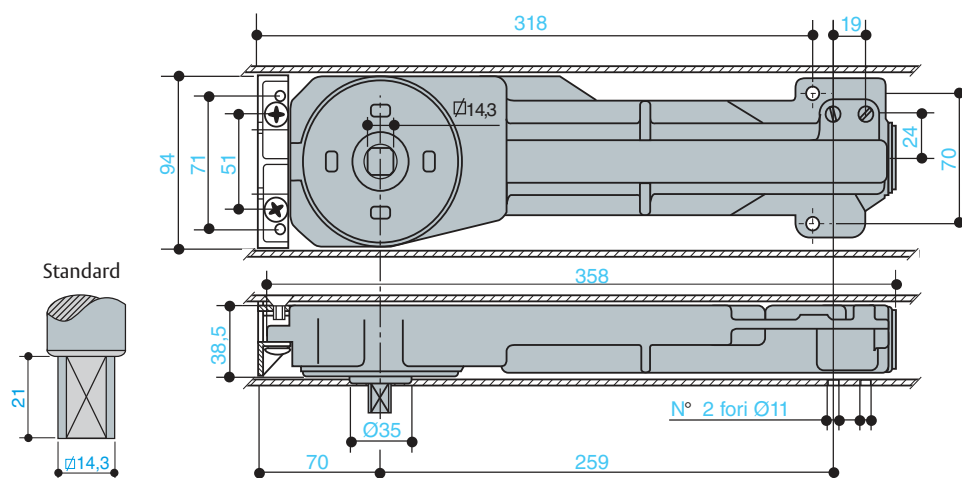
Power size 2 (for exterior doors): max opening force through 90° less than 29 Nm.

Specification text:

Overhead concealed closer for centre hung doors, power sizes EN 3, with low opening force, ADA and CEN TR 15894 compliant, MAB 5600 series.



Technical drawing



5750 Series



Overhead concealed closer

Adjustable power spring

Features:

- High grade cast iron body.
- High efficiency, hardened steel mechanism.
- Minimum power setting meets ADA ext. requirements.
- Two independent, non-critical closing speed valves.
- Fully adjustable final latch.
- Closing power adjustable size 2 - 5 EN / ANSI.
- Totally interchangeable with MAB 5600.
- Available with hold open at 90°, 105° or no hold open.
- Standard spindle height 21 mm. Optional 16 mm.

Specific features:

The adjustable power makes it a universal closer. One model suitable for a large variety of door sizes and variable field conditions:

- SIMPLIFIES specifications.
- REDUCES stock requirements.
- ALLOWS a totally customized opening or closing force.
- MINIMIZES on-site problems.

Adjusted to minimum power (size 2), the door closers of this series allow a low effort door opening from 0° to 90° in compliance with ADA (USA) requirements for exterior doors.

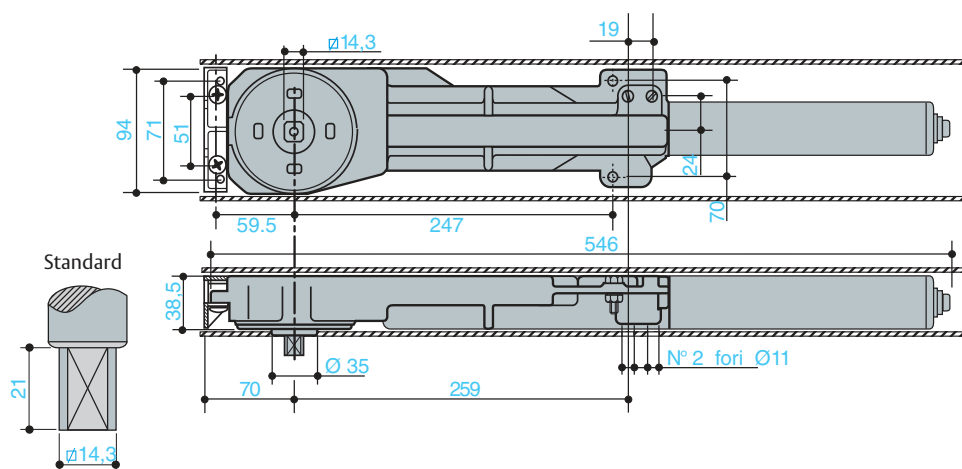
Power size 2: Max opening force through 90° less than 29 Nm.

Specification text:

Overhead concealed closer, with adjustable power EN 2-5, with low opening force, MAB 5750.



Technical drawing



620 C Series



Gate closer 620 C

To make sure that the gates are closed at all times

Features:

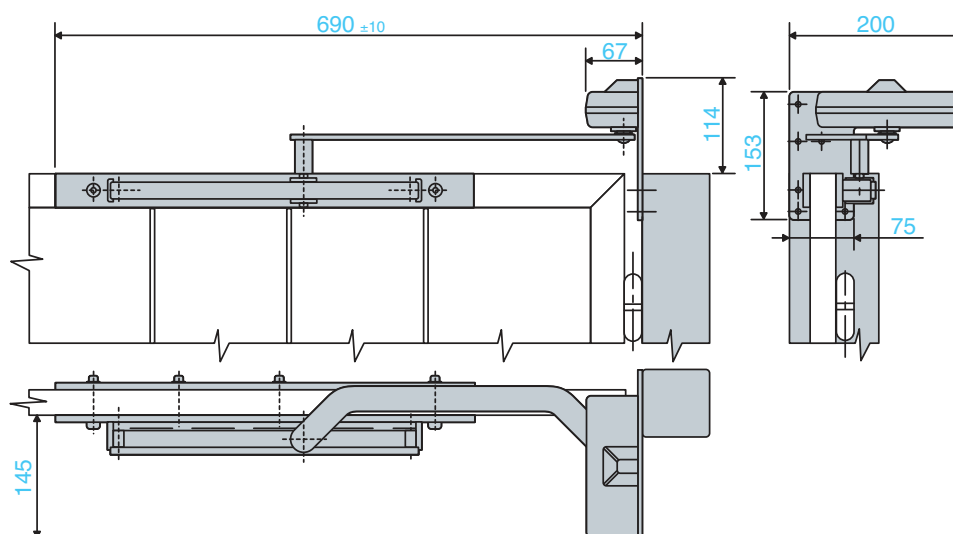
- Body in high duty cast iron.
- Fixed size EN1, for gate width up to 1000 mm.
- Two closing speeds independently controlled by thermostatic valves.
- Pinch free sliding arm & rail for safe use.
- Soft opening and strong closing.
- Suitable for gates with or without protruding bars.
- Extremely easy to install (No welding needed).
- Equipped with all mounting screws and accessories.
- Coated with strong resistance corrosion paint.
- Finish: black.

Specification text:

Gate closer with sliding arm, for gate width up to 1000 mm, MAB 620 C series.



Technical drawing



680 C Series



Gate closer 680 C

To make sure that the gates are closed at all times

Features:

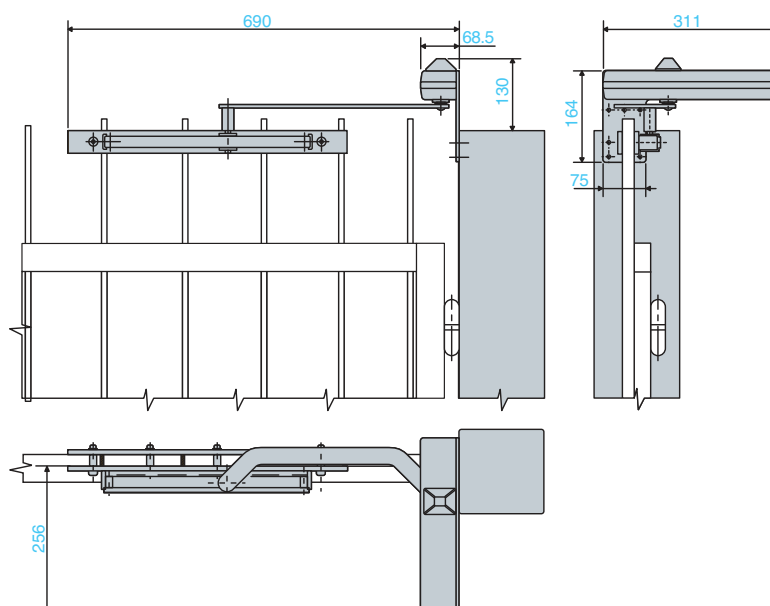
- Body in high duty cast iron.
- Adjustable size EN1-3, for gate width up to 1400 mm.
- Two closing speeds independently controlled by thermostatic valves.
- Adjustable back check.
- Pinch free sliding arm & rail for safe use.
- Soft opening and strong closing.
- Suitable for Gates with or without protruding bars.
- Extremely easy to install (No welding needed).
- Equipped with all mounting screws and accessories.
- Coated with strong resistance corrosion paint.
- Finish: black.

Specification text:

Gate closer with sliding arm and adjustable size EN1-3 and adjustable back check, for gate width up to 1400 mm, MAB 680 C series.



Technical drawing





Note

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

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