



ASSA ABLOY Product Catalogue

ASSA ABLOY

2018 - Version 1

The global leader in
door opening solutions

Why are we the global leader in door opening solutions?



Why are we the global leader in door opening solutions?

Reason #02

Delivering tomorrow's security



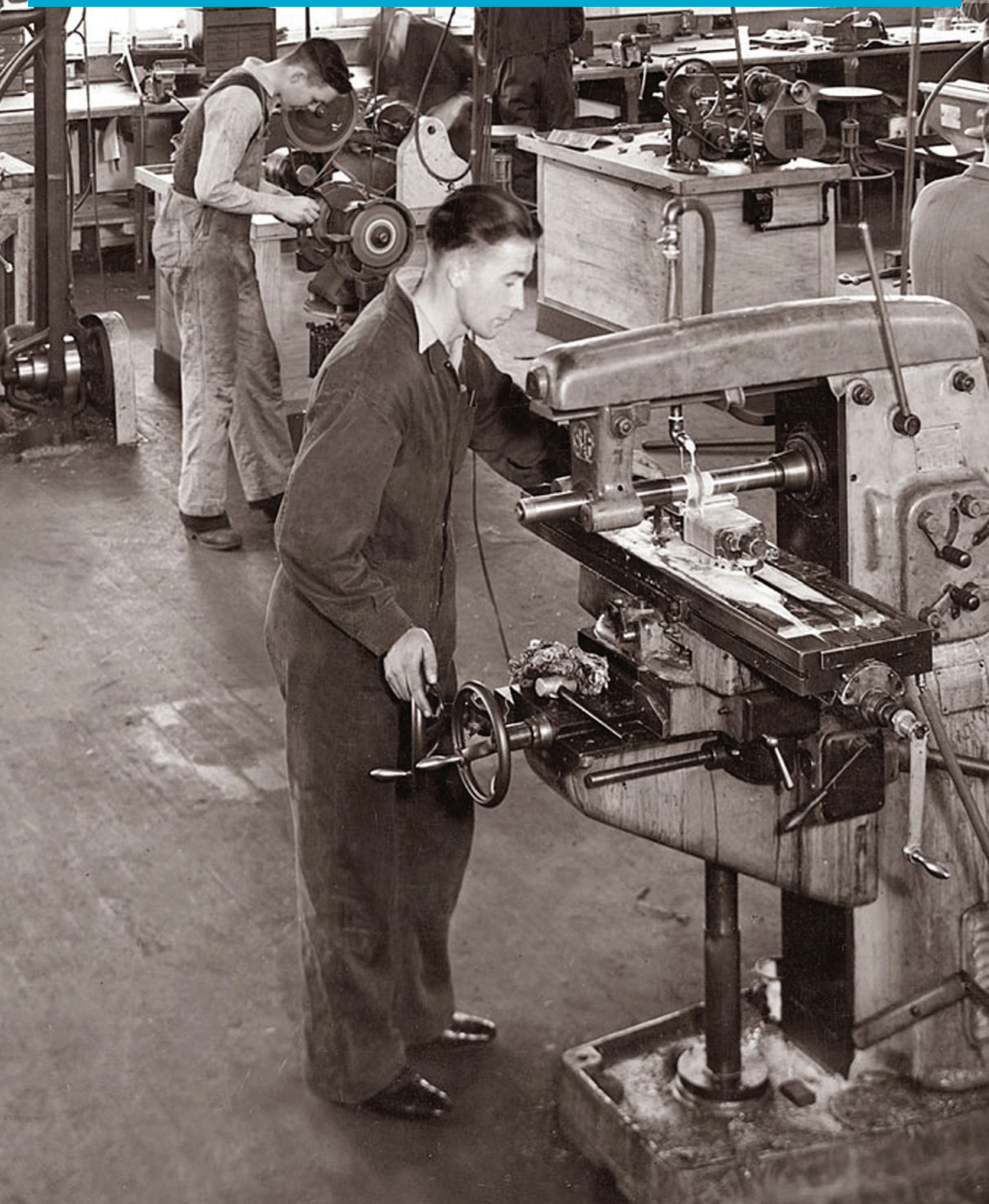
Why are we the global leader in door opening solutions?

Reason #13 Experience and expertise



Why are we the global leader in door opening solutions?

Reason #28 A rich heritage



Why are we the global leader in door opening solutions?

Reason #30 Testing and accreditation



Specification Service

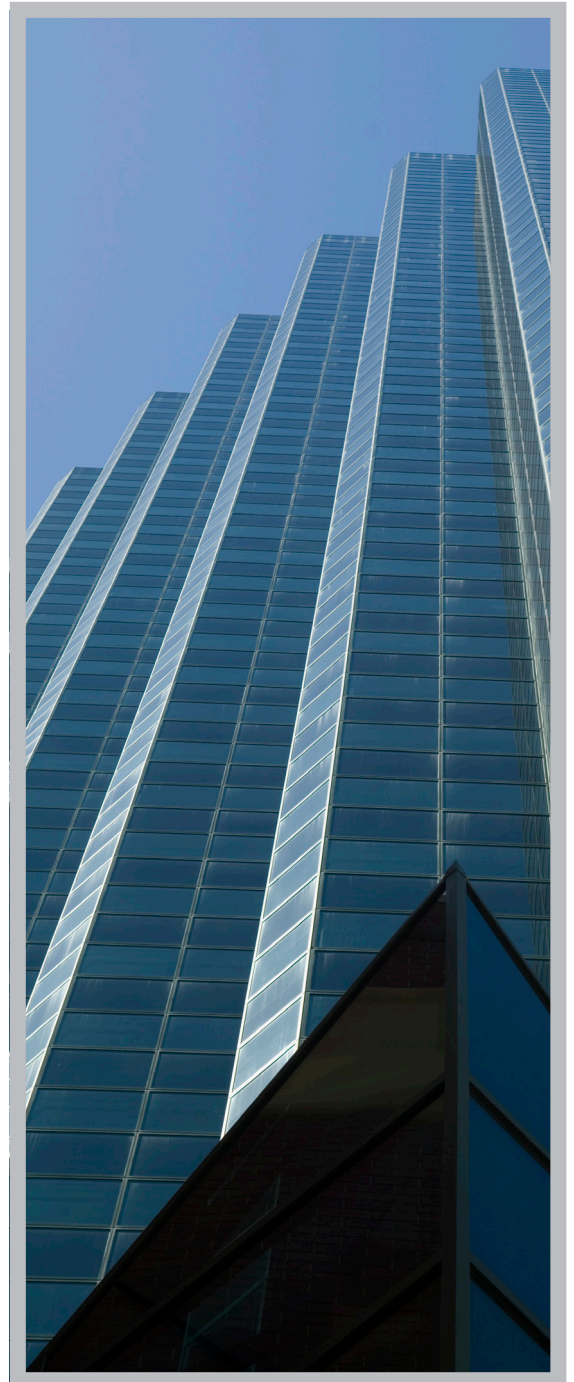
Specification service:

For all architectural hardware specification assistance refer to your local ASSA ABLOY sales office.

A fully comprehensive, obligation free, architectural door hardware specification can be prepared by architectural hardware representatives.


























Disclaimer:

Whilst every effort has been made to ensure that the information contained in this catalogue is accurate at the time of publication, ASSA ABLOY recommends that you consult ASSA ABLOY or its agents prior to placing an order to ascertain current information on specific products, as ASSA ABLOY reserves the right to make changes without notice. ASSA ABLOY will not be liable for any injury, loss or damage whatsoever, arising from any errors or omissions in the information contained in the catalogue or arising from the use or application of the information contained herein. This catalogue does not constitute an offer for the sale of any particular product.



DHF (Door and Hardware Federation)

Graphic icons

Symbol	Symbol no.	Description	Digit	Standard	Subject
	01	Category of use	1	All	
	02	Durability/no. of test cycles	2	All	
	03	Test door or window/mass/size/weight	3	All	
	04	Fire resistance	4	All	
	05	Safety	5	All	
	06	Corrosion resistance	6	All	
	07	Security	7	All	
	08	Durability/test cycles with force applied	8	EN12209 EN 14846 WI33/315	Mechanical locks and latches Electromechanical locks and latches Multipoint locks
	16	Type of operation	8	EN1906	Lever handle and knob furniture
	18	Hinge grade	8	EN1935	Single axis hinges
	19	Projection of device	8	EN179 EN1125	Emergency exit devices Horizontal panic exit devices
	15	Category of door	8	EN1527	Sliding and folding doors
	14	EMC environment	8	EN13633	Electrically controlled panic exit systems
	11	Time delay	8 9	EN13637 EN13633	Electrically controlled emergency exit systems Electrically controlled panic exit systems
	24	Field of door	8	EN12209	Mechanically operated locks, latches and locking plates
	25	Attack resistance	8	EN1303	Cylinders for locks
	12	Operation at extremes of temperature	9 10	EN12209 WI33/315	Mechanical locks and latches Multipoint locks
	17	Type of device	9	EN179 EN1125	Emergency exit devices Horizontal panic exit devices
	13	Closing force	9	WI33/315	Multipoint locks
	23	Type of key	9	EN12209	Mechanically operated locks, latches and locking plates
	20	Initial friction	9	EN1527	Hardware for sliding doors and folding doors
	09	Sideload on lockcase	10	EN12209	Mechanical locks and latches
	22	Type of spindle	10	EN12209	Mechanically operated locks, latches and locking plates
	10	Anti-separation provision	11	WI33/315	Multipoint locks
	21	Key identification	11	EN12209	Mechanically operated locks, latches and locking plates



Where can I find everything?

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Door Hinges

ASSA ABLOY

The global leader in
door opening solutions

ASSA ABLOY Door Hinges

Features & Benefits

ASSA ABLOY

Door Hinges

Key features:

- Standard Imperial hole pattern
- Available grade SS 304
- Fire rated
- 200,000 cycles tested
- Compliant to BS EN 1935

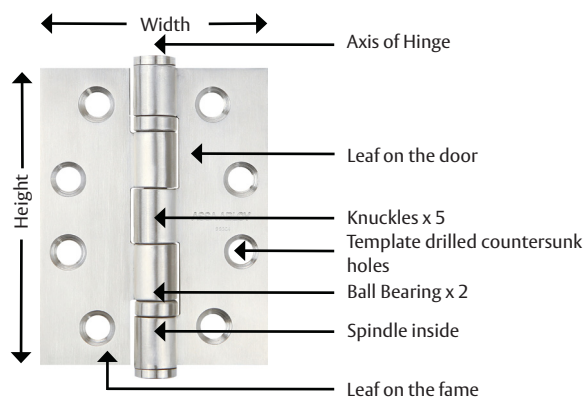
Benefits:

- Suitable for Interior and Exterior doors (Wooden & Metal)
- High corrosion resistance
- Suitable for fire rated doors
- High durability
- Friction resistance



Technical details:

- Manufactured from high grade stainless steel
- Easily seated pin that will not rise during normal use
- Available hinges -
 1. Ball Bearing hinge
 2. Lift Off hinge
 3. Concealed hinge
- ASSA ABLOY hinges are suitable for high traffic doors and commercial applications
- Suitable for door weight up to 120 kg



***Note:** Some of the abovementioned features may not be applicable for all models of hinges.
CE Marking and Fire Rating is applicable for only Stainless Steel SS 304 Grade Ball Bearing hinges.

Ball Bearing Hinges

Specifications

Application:

There are a few variables which must be considered and guidelines to be observed, in order to determine hinge selection for individual doors. It is recommended that the guidelines contained in this catalogue are followed. When reading dimensions, the first figure always indicates the height and the second indicates the width and the third indicates the thickness.
e.g. 102mm x 76mm x 3mm

Hinge height:

The appropriate hinge height for any job is dependent upon the door width, thickness and weight. The height of the hinge is the length of the flap, not including the tips of the pin, as shown in the below diagram.

Number of hinges per door:

The following quantity of hinges are recommended for the given door heights

- Two hinges - Up to 1514mm
- Three hinges - 1514mm - 2286mm
- Four hinges - 2286mm - 3048mm

Note:

- For each additional 762mm (30") add one hinge.

Fixing screws:

Each butt hinge is supplied with the appropriate sized wood screws. Metal door screws are optional

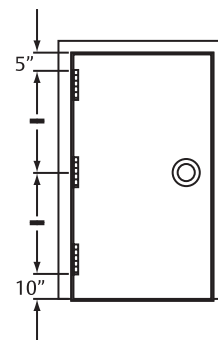
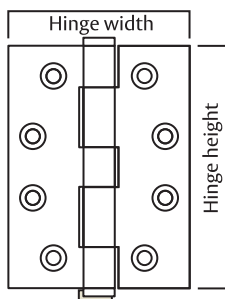
- 8 Gauge screws for 76mm width hinges
- 10 Gauge screws for 102mm and greater width hinges

Hinge width:

The door thickness and door jamb width (also trim size if applicable) determine the width of the hinge required. The width is measured across the leaves when the hinge is fully opened as shown in the below diagram.

Finishes:

Satin Stainless Steel - SSS



Door Hinges - Fire Rated

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Ball Bearing Hinges

**Model no.: AH2BB-01, AH2BB-02, AH2BB-03
AH2BB-04, AH2BB-05, AH2BB-07**

Description:

AH2BB-01 (102 x 76 x 2.5) - 2 Ball Bearing Button
Tipped SS 304

AH2BB-02 (102 x 76 x 3.0) - 2 Ball Bearing Button
Tipped SS 304

AH2BB-03 (127 x 76 x 3.0) - 2 Ball Bearing Button
Tipped SS 304

AH2BB-04 (127 x 89 x 3.0) - 2 Ball Bearing Button
Tipped SS 304

AH2BB-05 (127 x 102 x 3.0) - 2 Ball Bearing Button
Tipped SS 304

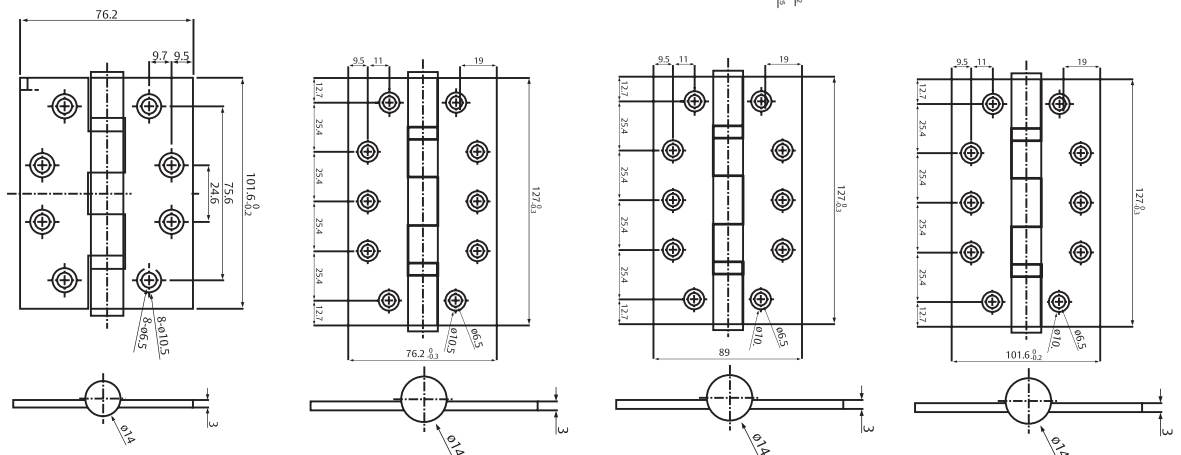
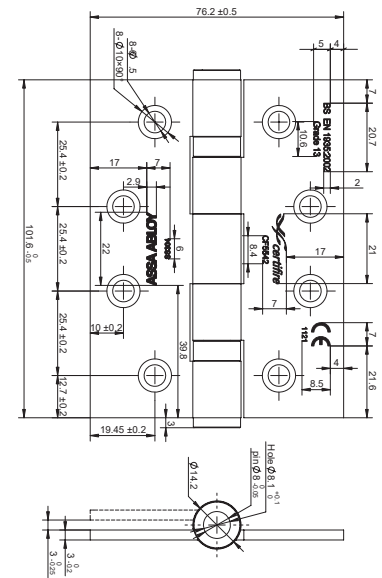
AH2BB-07 (102 x 102 x 3.0) - 2 Ball Bearing Button
Tipped SS 304



Product Information

Hinge Size (mm):

Height	Width	Thickness	Grade
102	76	2.5	SS 304
102	76	3.0	SS 304
127	76	3.0	SS 304
127	89	3.0	SS 304
127	102	3.0	SS 304
102	102	3.0	SS 304



***Note:** The above model Hinges come with wooden screws as standard.
Please clearly mention metal screws while ordering for metal doors.
Add "M" as suffix in the model no., E.g. AH2BB-01M

Door Hinges - Special Application

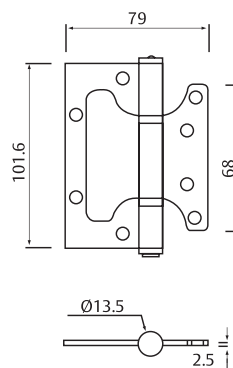
ASSA ABLOY

Flush Hinge

Model No.: AA-FH-01

Description: Stainless Steel Flush hinge

Model No.	L	W	T	Door Mass
AA-FH-01	101	79	2.5	40 kg

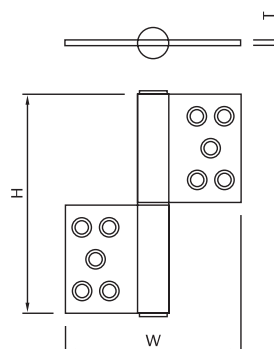


Lift Off Hinge

Model No.: AA-LH-01, AA-LH-02

Description: Stainless Steel Lift Off hinge

Model No.	L	W	T	Door Mass
AA-LH-01	100	88	3	40 kg
AA-LH-02	127	100	3	40 kg

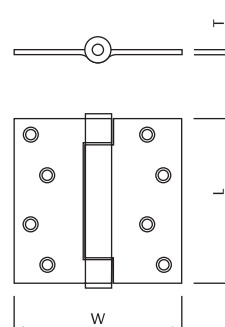


Spring Hinge

Model No.: AA-SH-01, AA-SH-02

Description: Stainless Steel Single Action Spring hinge

Model No.	L	W	T	Door Mass
AA-SH-01	102	102	3	40 kg
AA-SH-02	102	76	3	40 kg



Door Hinges - Concealed

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3D Adjustable Concealed Hinge

AA-3CH-01
AA-3CH-02

Model No.: AA-3CH-01, AA-3CH-02

Description:

- 3D adjustable concealed hinge
- Application: For wooden frames, for flush wooden interior doors
- Door thickness: $\geq 35\text{mm}$; Opening angle: $< 180^\circ$
- Door weight: AA-3CH-01-40 kg, AA-3CH-02-60 kg
- Adjustment feature: Continuously 3D Adjustable - height, side and closing pressure $\pm 1\text{mm}$



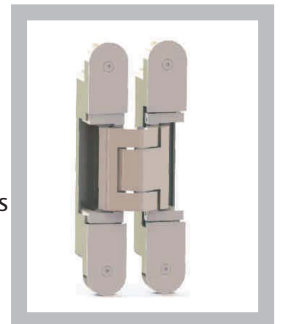
3D Adjustable Concealed Hinge

AA-3CH-03
AA-3CH-04

Model No.: AA-3CH-03, AA-3CH-04

Description:

- 3D adjustable concealed hinge
- Application: For wooden/steel/aluminium frames
- Door thickness: $> 40\text{mm}$; Opening angle: $< 180^\circ$
- Door weight: AA-3CH-03-80 kg with 3 Hinges, AA-3CH-04-120 kg with 3 hinges
- Door width: AA-3CH-03- $\leq 1000\text{mm}$, AA-3CH-04- $\leq 1200\text{mm}$
- Adjustment feature: AA-3CH-03- Continuously 3D adjustable height, side $\pm 3.0\text{mm}$ and closing pressure $\pm 1\text{mm}$, AA-3CH-04- (side $\pm 3.5\text{mm}$)



Door Hinges - Concealed

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3D Adjustable Concealed Hinge

Instructions and Templates

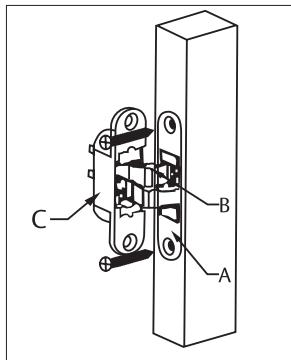
3D Adjustable Concealed Hinge Fitting Instructions (for wooden door)

Model no.: AA-3CH-01

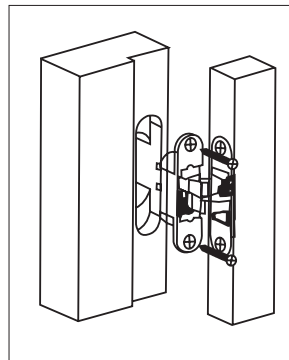
For non-rebated interior doors

Door weight ≤ 40 kg/2pc, door width ≤ 900 mm, Door thickness ≥ 35 mm

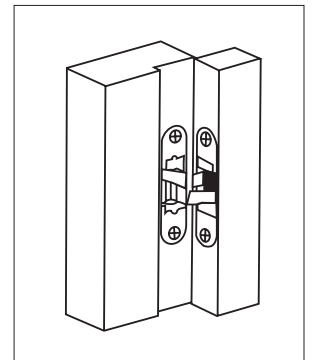
Installation



1. Install hinge on the door leaf, with adjusting hole B always up, hinge part A on door leaf & hinge part C on the door frame.

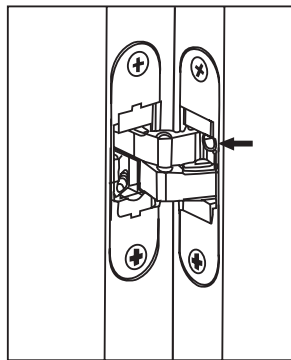


2. Install hinge on the door frame.

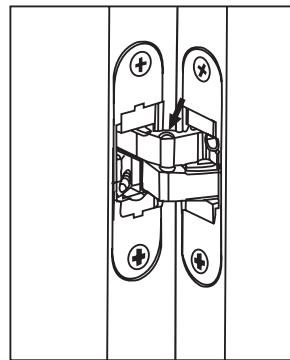


3. Stick the self-adhesive cover plates on the hinge after completion of adjustment.

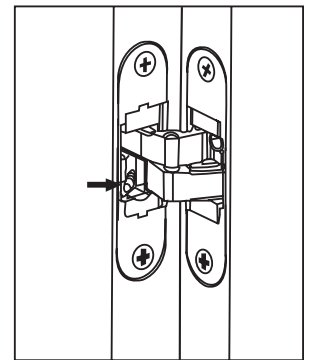
Hinge Adjustment



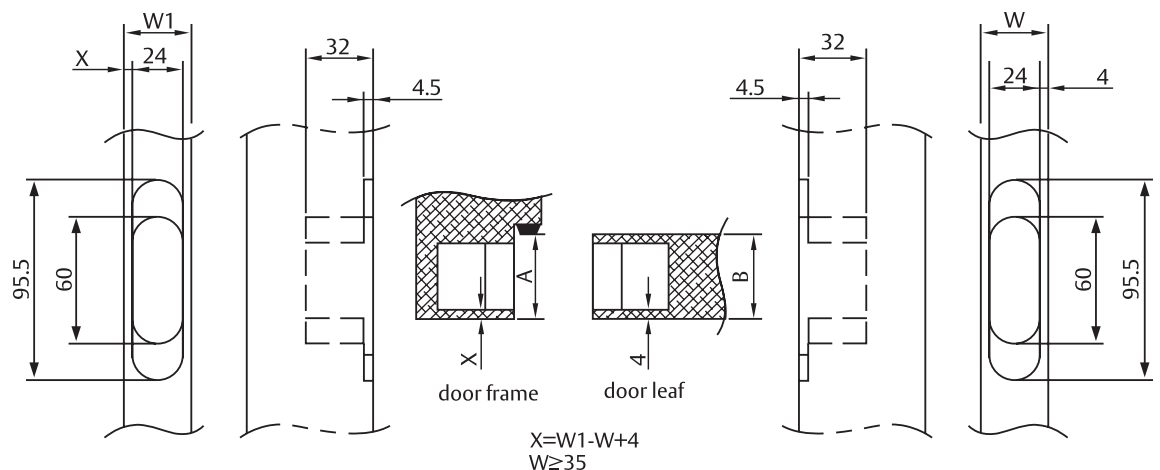
Depth Adjustment:
Use an allen key to twist the screw (arrow marked).
Depth adjustment: ± 1.0 mm



Height Adjustment:
Use an allen key to twist the screw (arrow marked).
Height adjustment: ± 1.5 mm



Side Adjustment:
Use an allen key to twist the screw (arrow marked).
Side adjustment: ± 1.0 mm



Template for door frame

Template for door frame

Door Hinges - Concealed

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3D Adjustable Concealed Hinge

Instructions and Templates

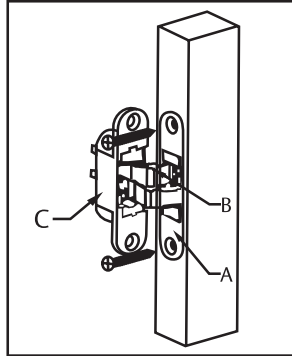
3D Adjustable Concealed Hinge Fitting Instructions (for wooden door)

Model no.: AA-3CH-02

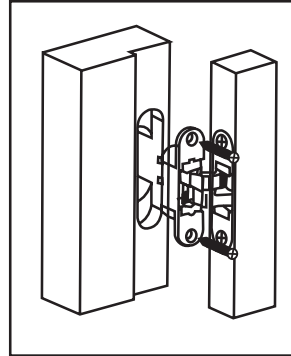
For non-rebated interior doors

Door weight ≤ 60 kg/2pc, door width ≤ 900mm, Door thickness ≥ 35mm

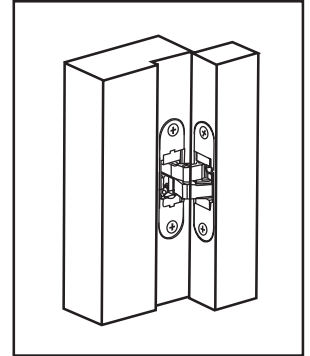
Installation



1. Install hinge on the door leaf, with adjusting hole B always up, hinge part A on door leaf & hinge part C on the door frame.

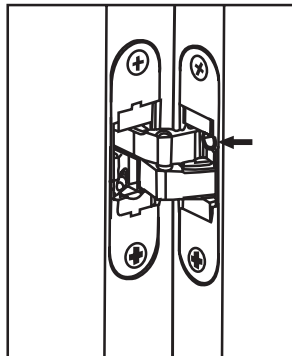


2. Install hinge on the door frame.

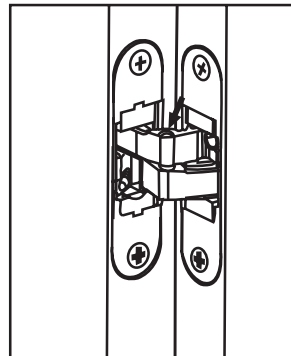


3. Stick the self-adhesive cover plates on the hinge after completion of adjustment.

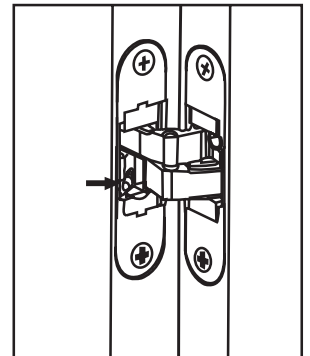
Hinge Adjustment



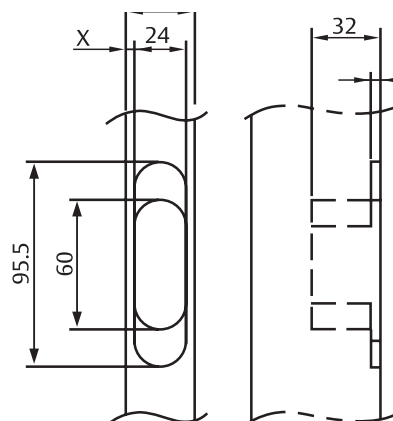
Depth Adjustment:
Use an allen key to twist the screw (arrow marked).
Depth adjustment: ±1.0mm



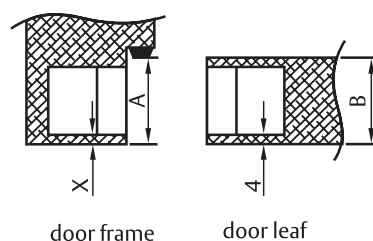
Height Adjustment:
Use an allen key to twist the screw (arrow marked).
Height adjustment: ±1.5mm



Side Adjustment:
Use an allen key to twist the screw (arrow marked).
Side adjustment: ±1.0mm

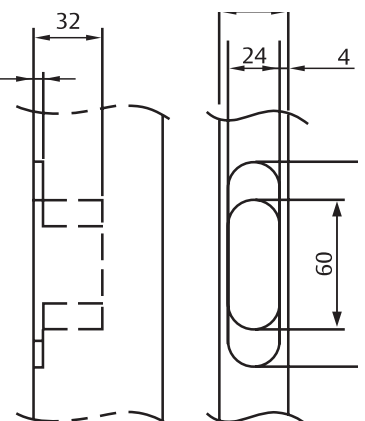


Template for door frame



$$X = W1 - W + 4$$

$$W \geq 35$$



Template for door frame

Door Hinges - Concealed

ASSA ABLOY

3D Adjustable Concealed Hinge

Instructions and Templates

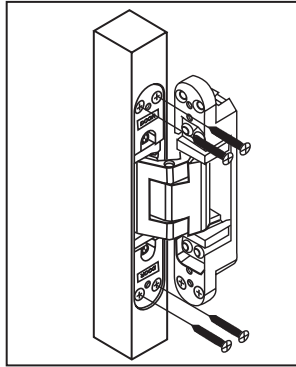
3D Adjustable Concealed Hinge Fitting Instructions (for wooden door)

Model no.: AA-3CH-03

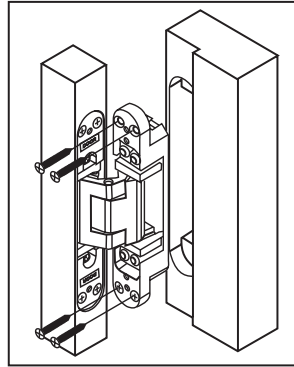
For non-rebated interior doors

Door weight ≤ 80 kg/2pc, door width ≤ 1000mm, Door thickness ≥ 40mm

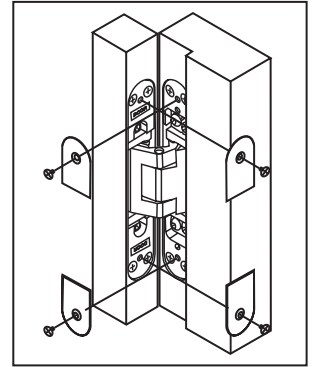
Installation



1. Install hinge on the door leaf, with hinge part stamping marked with "Door" on door leaf.

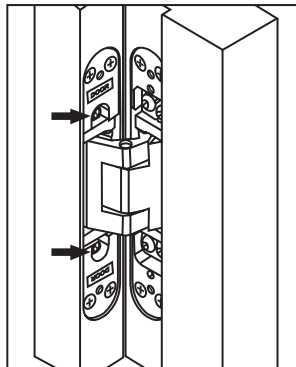


2. Install hinge on the door frame.

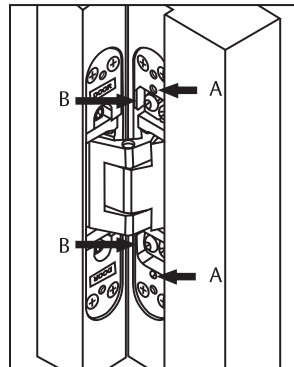


3. Fix cover plates on the hinge with screws after completion of adjustment.

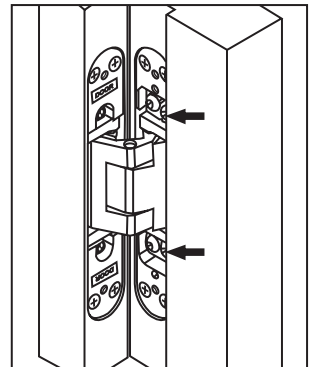
Hinge Adjustment



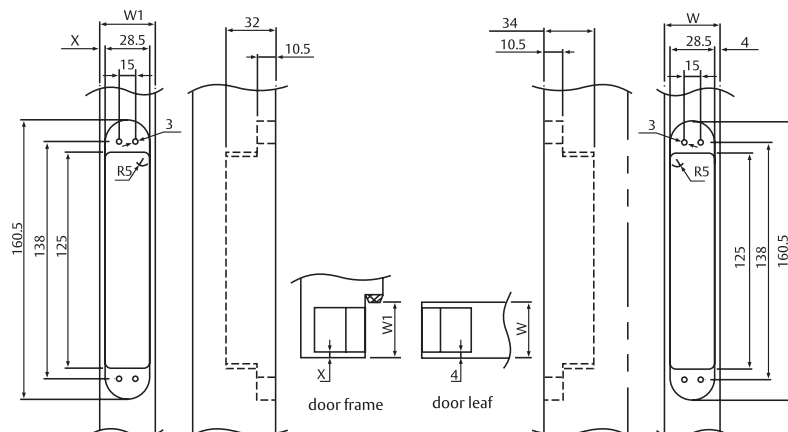
Side Adjustment:
Use an allen key to twist the screw (arrow marked). Both the upper and the lower screws are requested to be adjusted in the same way.
Side adjustment: ±2.5mm



Height Adjustment:
Slightly loosen the grab screws (arrow marked with B.) Both the upper and lower screws (arrow marked with B) are requested to be adjusted and tightened in the same way. Retighten the grab screws (arrow marked with A)
Height adjustment: ±2.5mm



Depth Adjustment:
Use an allen key to twist the Both the upper and the lower screws are requested to be adjusted and tightened in the same way.
Depth adjustment: ±1.0mm



$$X = W1 - W + 4$$

$$W \geq 36$$

Door Hinges - Concealed

ASSA ABLOY

3D Adjustable Concealed Hinge

Instruction and Templates

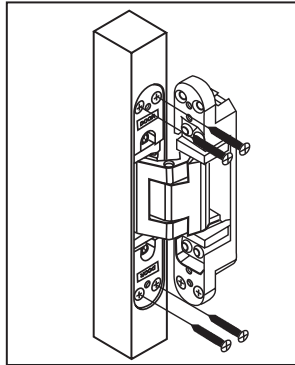
3D Adjustable Concealed Hinge Fitting Instructions (for wooden door)

Model no.: AA-3CH-04

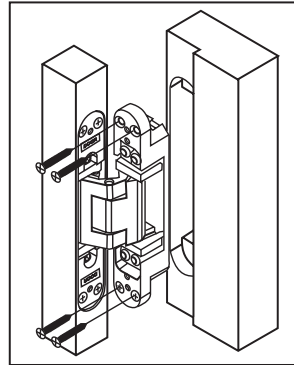
For non-rebated interior doors

Door weight ≤ 120 kg/2pc, door width ≤ 1000 mm, Door thickness ≥ 40 mm

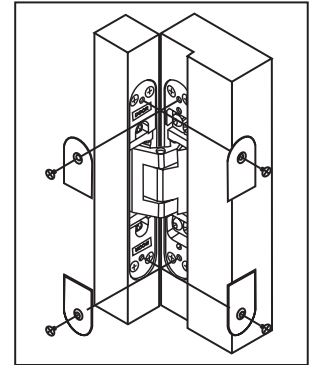
Installation



1. Install hinge on the door leaf, with hinge part stamping market with "Door" on door leaf.

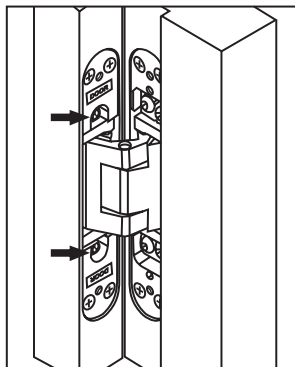


2. Install hinge on the door frame.

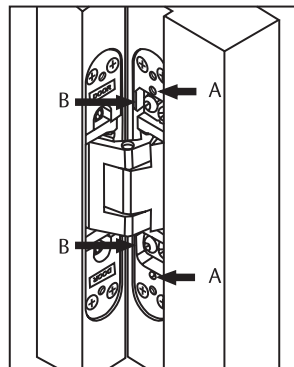


3. Fix cover plates on the hinge with screws after completion of adjustment.

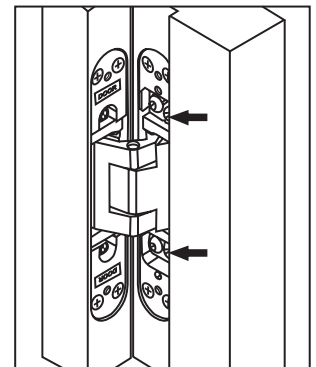
Hinge Adjustment



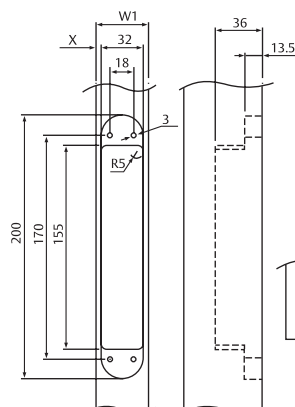
Side Adjustment:
Use an allen key to twist the screw (arrow marked). Both the upper and lower screws are requested to be adjusted in the same way.
Side adjustment: ± 3.0 mm



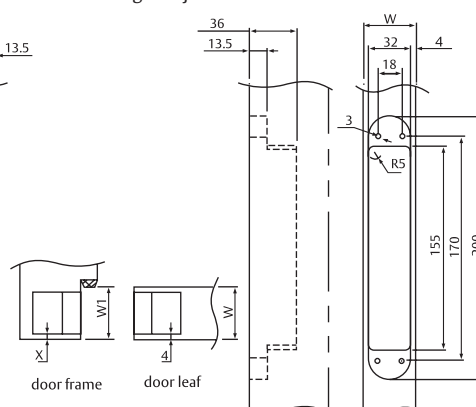
Height Adjustment:
Slightly loosen the grap screws (arrow marked with A). Use an allen key to twist the screw (arrow marked with B). Both the upper and lower screws (arrow marked with B) are requested to be adjusted and tightened in the same way. Retighten the grap screws (arrow marked with A)
Height adjustment: ± 3.0 mm



Depth Adjustment:
Use an allen key to twist the screw (arrow marked). Both the upper and lower screws (arrow marked with B) are requested to be adjusted and tightened in the same way.
Depth adjustment: ± 1.0 mm



Template for door frame



$X = W1 - W + 4$
 $W \geq 40$

Template for door frame



Lever Handles

ASSA ABLOY

The global leader in
door opening solutions

ASSA ABLOY Lever Handles

Features & Benefits

ASSA ABLOY

Stainless Steel Lever Handles

Key features:

- Made of SS 304
- 200,000 cycles tested
- Exclusive range

Benefits:

- High corrosion resistance
- High durability
- Choice of Solid and Tubular lever designs

Technical details:

- Door thickness required - 30mm-50mm
- Spindle - 8mm x 8mm
- Suitable for hinged timber, metal doors
- All lever handles come complete with two euro cylinder escutcheons
- Roses are designed to fit back to back and fixing is concealed by the use of a slip on outer rose
- Finish - US32D

The Stainless Steel door furniture range offers a selection of stylish and durable levers on round rose.



Lever Handles - Solid Series

ASSA ABLOY

Solid Stainless
Steel Lever Handle

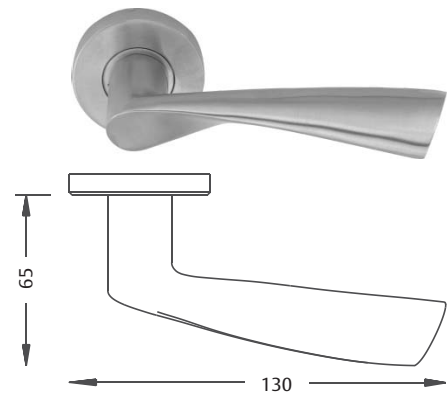
ASL - 010

Model no.: ASL - 010

Description: Solid Lever on Rose

Dimensions: Length - 127mm
Spindle: 8mm x 8mm Straight Spindle Standard
Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Solid Stainless
Steel Lever Handle

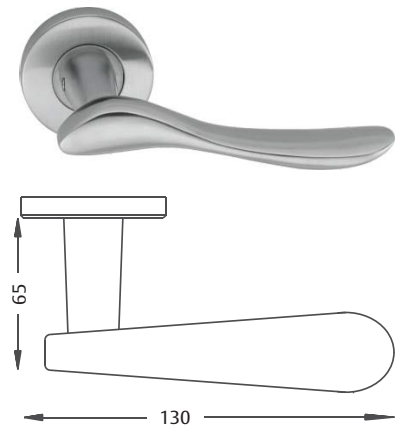
ASL - 020

Model no.: ASL - 020

Description: Solid Lever on Rose

Dimensions: Length - 130mm
Spindle: 8mm x 8mm Straight Spindle Standard
Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Solid Stainless
Steel Lever Handle

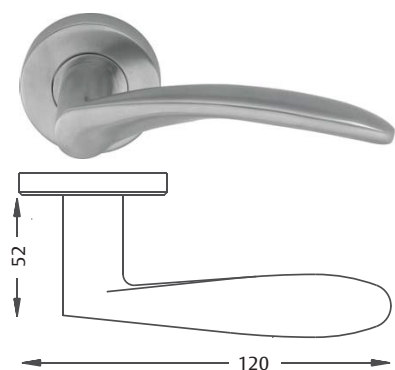
ASL - 030

Model no.: ASL - 030

Description: Lever on Rose

Dimensions: Length - 120mm
Spindle: 8mm x 8mm Straight Spindle Standard
Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Lever Handles - Solid Series

ASSA ABLOY

Solid Stainless Steel Lever Handle

ASL - 040

Model no.: ASL - 040

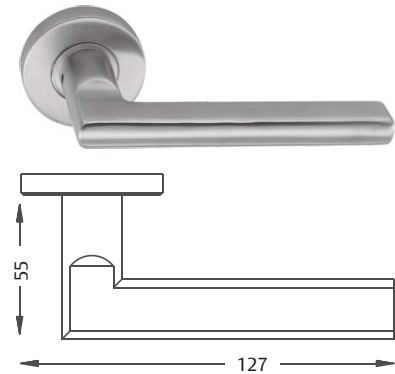
Description: Solid Lever on Rose

Dimensions: Length - 128mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Solid Stainless Steel Lever Handle

ASL - 050

Model no.: ASL - 050

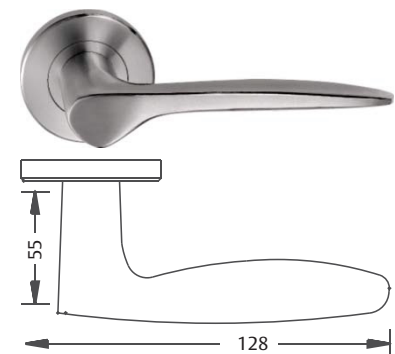
Description: Solid Lever on Rose

Dimensions: Length - 130mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Solid Stainless Steel Lever Handle

ASL - 060

Model no.: ASL - 060

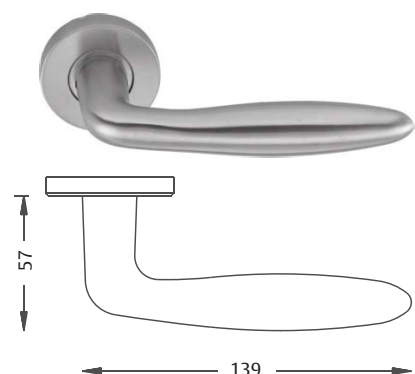
Description: Solid Lever on Rose

Dimensions: Length - 122mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Lever Handles - Solid Series

ASSA ABLOY

Solid Stainless
Steel Lever Handle

ASL - 070

Model no.: ASL - 070

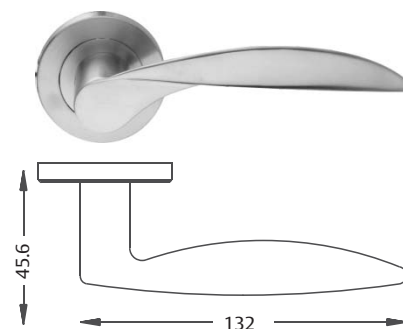
Description: Solid Lever on Rose

Dimensions: Length - 128mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Solid Stainless
Steel Lever Handle

ASL - 080

Model no.: ASL - 080

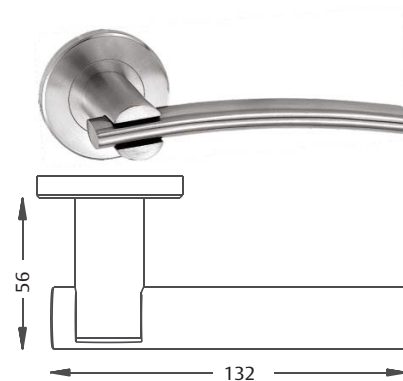
Description: Solid Lever on Rose

Dimensions: Length - 125mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Solid Stainless
Steel Lever Handle

ASL - 090

Model no.: ASL - 090

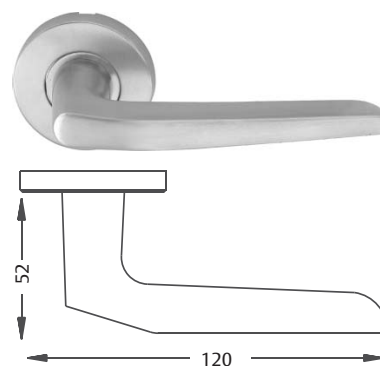
Description: Solid Lever on Rose

Dimensions: Length - 128mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Lever Handles - Tubular Series

ASSA ABLOY

Tubular Stainless Steel Lever Handle

ATL - 010

Model no.: ATL - 010

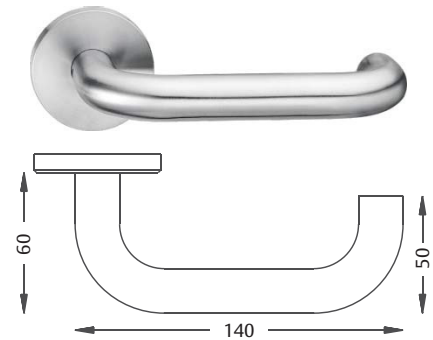
Description: Lever on Rose

Dimensions: Length - 130mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Tubular Stainless Steel Lever Handle

ATL - 020

Model no.: ATL - 020

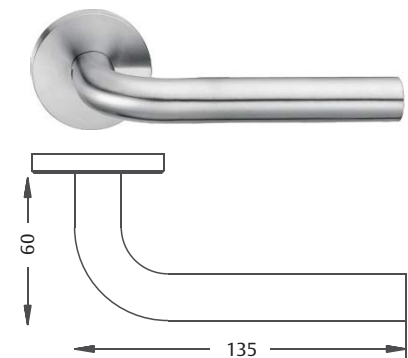
Description: Solid Lever on Rose

Dimensions: Length - 133mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Tubular Stainless Steel Lever Handle

ATL - 030

Model no.: ATL - 030

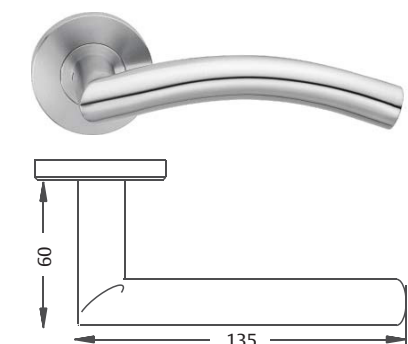
Description: Lever on Rose

Dimensions: Length - 133mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Lever Handles - Tubular Series

ASSA ABLOY

Tubular Stainless Steel Lever Handle

ATL - 040

Model no.: ATL - 040

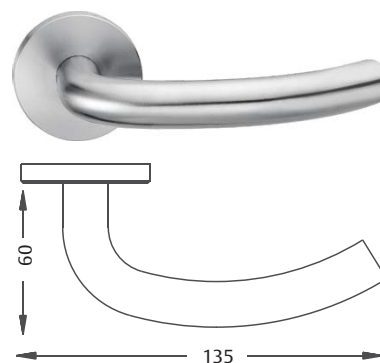
Description: Lever on Rose

Dimensions: Length - 133mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Tubular Stainless Steel Lever Handle

ATL - 050

Model no.: ATL - 050

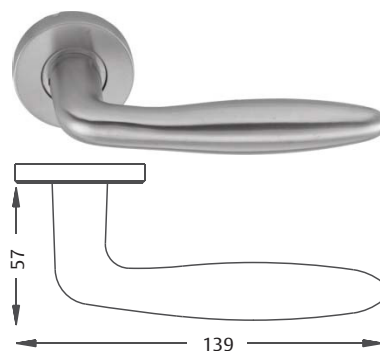
Description: Lever on Rose

Dimensions: Length - 125mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Tubular Stainless Steel Lever Handle

ATL - 060

Model no.: ATL - 060

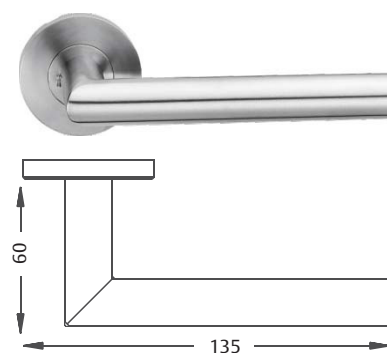
Description: Lever on Rose

Dimensions: Length - 125mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Lever Handles - Tubular Series

ASSA ABLOY

Tubular Stainless Steel Lever Handle

ATL - 070

Model no.: ATL - 070

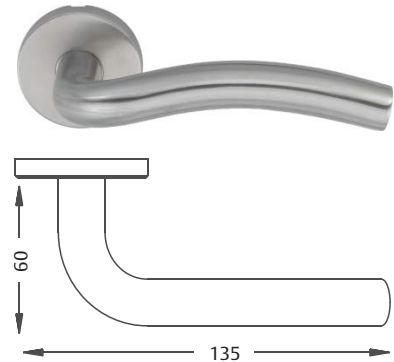
Description: Lever on Rose

Dimensions: Length - 128mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Tubular Stainless Steel Lever Handle

ATL - 080

Model no.: ATL - 080

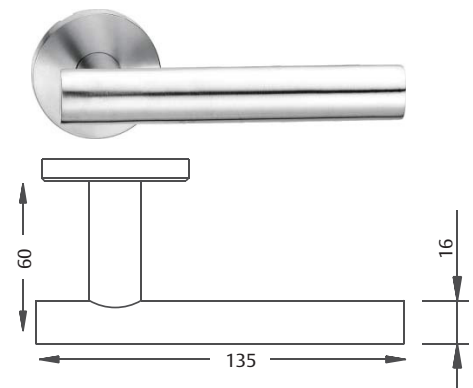
Description: Lever on Rose

Dimensions: Length - 137mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Tubular Stainless Steel Lever Handle

ATL - 090

Model no.: ATL - 090

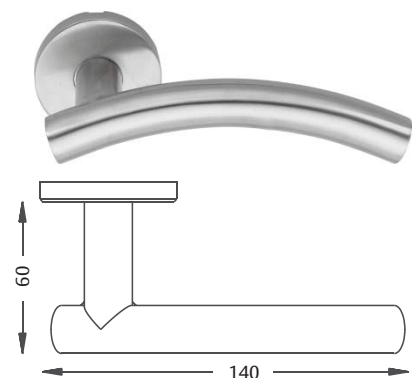
Description: Lever on Rose

Dimensions: Length - 137mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Lever Handles - Tubular Series

ASSA ABLOY

Tubular Stainless Steel Lever Handle

ATL - 100

Model no.: ATL - 100

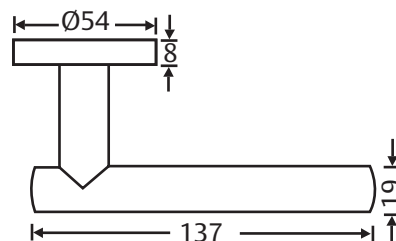
Description: Lever on Rose

Dimensions: Length - 137mm

Spindle: 8mm x 8mm Straight Spindle Standard

Round Rose: Ø54mm x 8mm

Finish: Satin Stainless Steel - US32D



Stainless Steel Escutcheon

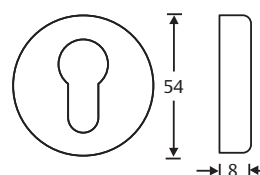
AEP - 010

Model no.: AEP - 010

Description: Euro profile cylinder escutcheon

Dimensions: Diameter: 54mm, depth: 8mm

Finish: Satin Stainless Steel - US32D



ASSA ABLOY Narrow Profile Accessories

ASSA ABLOY

Narrow Profile Lever Handle

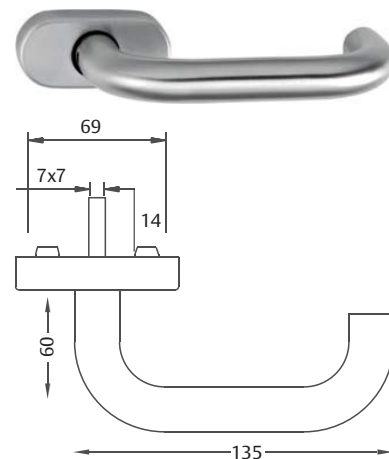
ATL - 201

Model no.: ATL - 201

Description: Lever handle with narrow profile rose

Dimensions:

Finish: Satin Stainless Steel - US32D



Narrow Profile Lever Handle

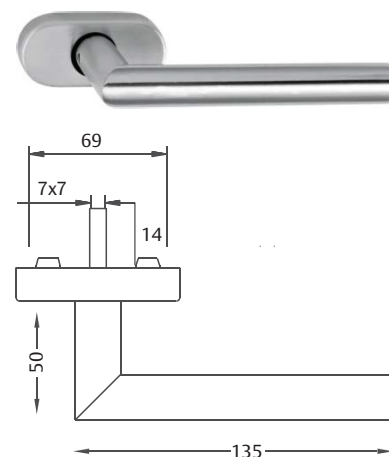
ATL - 202

Model no.: ATL - 202

Description: Lever handle with narrow profile rose

Dimensions:

Finish: Satin Stainless Steel - US32D



Narrow Profile Lever Handle

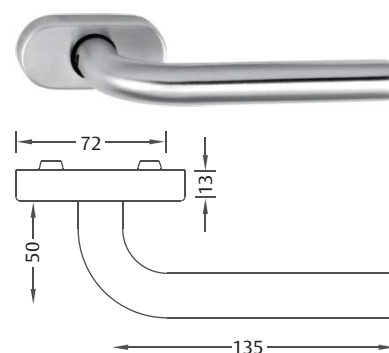
ATL - 203

Model no.: ATL - 203

Description: Lever handle with narrow profile rose

Dimensions:

Finish: Satin Stainless Steel - US32D



Narrow Profile Lever Handle

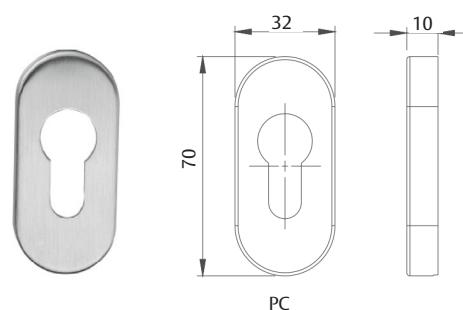
AEP - 050

Model no.: AEP - 050

Description: Narrow profile escutcheons

Dimensions:

Finish: Satin Stainless Steel - US32D





Mortise Lockcases

ASSA ABLOY

The global leader in
door opening solutions

ASSA ABLOY Mortise Lockcase

Features & Benefits

ASSA ABLOY

Mortise Lockcase AA5100 Series

Key features:

- Made of SS 304
- 200,000 cycles tested
- 8 different functions
- Fire rated
- Non-handed - latch reversible
- Compliant to BS EN 12209

Benefits:

- High corrosion resistance
- High durability
- Versatile usage
- Can be used for fire doors



Technical details:

- Center to center - 72mm
- Backset - 55mm or 60mm
- Door thickness required - 35mm to 50mm with the standard screw fixing pack provided
- Fits standard cam euro profile cylinder
- Single throw projection deadbolt - 20mm
- Suitable for hinged timber, metal and fire doors
- All mortise lockcases contain suitable strike plates and screws
- Optional rebate kit available

The range of ASSA ABLOY mortise lockcases consists of various functions to meet the most enhanced security and locking requirements.



Mortise Lockcase - AA5100 Series

ASSA ABLOY

Mortise Lockcase AA5100 Series

8 Locking functions:

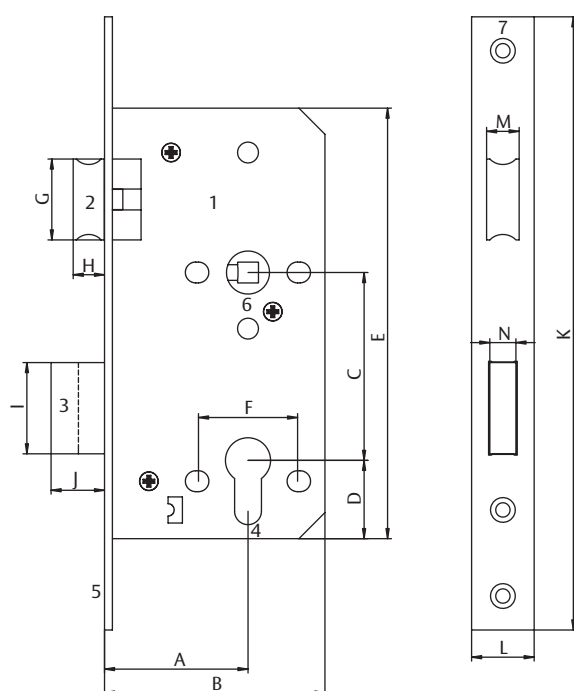
- Passage Latch
- Entrance Lockcase
- Deadlock Lockcase
- Classroom Lockcase
- Privacy Lockcase
- Nightlatch Lockcase
- Roller bolt entrance Lockcase
- Panic exit entrance Lockcase

Various locking functions for multiple applications

Dimensions:

A	B	C	D	E	F	G
60mm	89mm	72mm	30mm	165mm	38mm	31mm
H	I	J	K	L	M	N
12.5mm	35mm	20mm	235mm	24mm	12mm	9mm

Limiting dimensions:



Parts:

1. Lock case
2. Latch bolt
3. Deadbolt
4. Euro cylinder hole
5. Face plate
6. Lever follower
7. Counter sunk holes

Mortise Lockcase - AA5100 Series

ASSA ABLOY

Mortise Lockcase AA5100 Series

Passage Latch

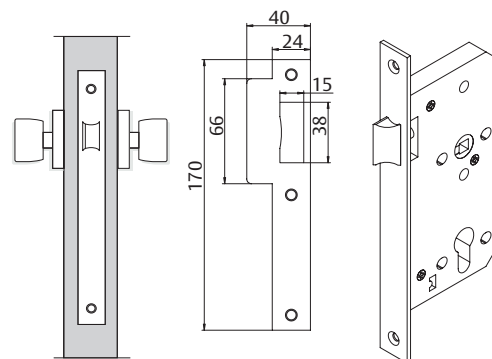
Model no.: AA5101

Description: AA5101 ASSA ABLOY Euro mortise lockcase
Door thickness: 35mm to 50mm

Finish: SSS - Satin Stainless Steel

Outside: Opened by handle at all times

Inside: Opened by handle at all times



Mortise Lockcase AA5100 Series

Entrance Lockcase

Model no.: AA5103

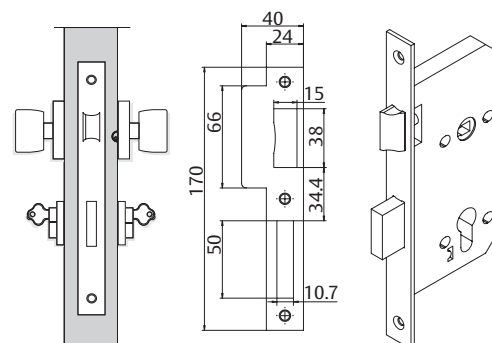
Description: AA5103 ASSA ABLOY Euro mortise lockcase
Door thickness: 35mm to 50mm

Finish: SSS - Satin Stainless Steel

Outside: Opened by handle when unlocked.

Lever withdraws latchbolt. Key locks or unlocks bolt, key withdraws latchbolt.

Inside: Opened by handle when unlocked. Lever handle at one side withdraws latchbolt. Key or turn locks to unlocks the bolt, key or turn locks to withdraw latchbolt.



Mortise Lockcase AA5100 Series

Deadlock Lockcase

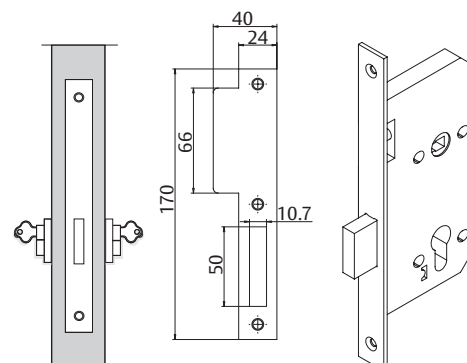
Model no: AA5104

Description: AA5104 ASSA ABLOY Euro mortise lockcase
Door thickness: 35mm to 50mm

Finish: SSS - Satin Stainless Steel

Outside: Bolt is locked or unlocked by key or turn.

Inside: Bolt is locked or unlocked by key or turn.



Mortise Lockcase - AA5100 Series

ASSA ABLOY

Mortise Lockcase
AA5100 Series

Classroom Lockcase

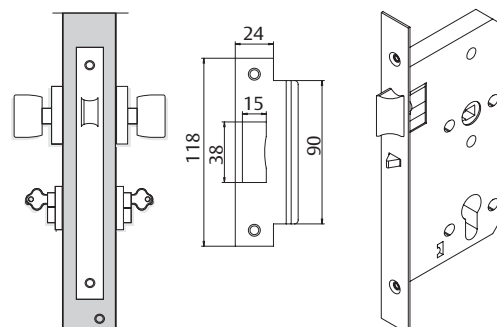
Model no.: AA5105

Description: AA5105 ASSA ABLOY Euro mortise lockcase
Door thickness: 35mm to 50mm

Finish: SSS - Satin Stainless Steel

Outside: Opened by handle except when handle is made inoperative by key from outside. Key locks or unlocks outside handle.

Inside: Opened by handle at all times.



Mortise Lock
AA5100 Series

Privacy Lockcase

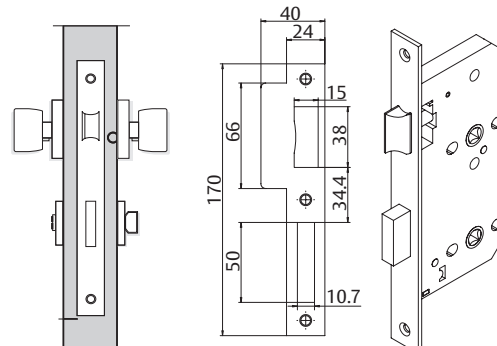
Model no.: AA5109

Description: AA5109 ASSA ABLOY Euro mortise lockcase
Door thickness: 35mm to 50mm

Finish: SSS - Satin Stainless Steel

Outside: Opened by handle except when bolt is thrown by turn knob from inside. Bolt may be unlocked from outside by coin or screwdriver or by operating the slotted emergency button.

Inside: Opened by handle except when bolt is thrown by inside turn knob.



Mortise Lock
AA5100 Series

Nightlatch Lockcase

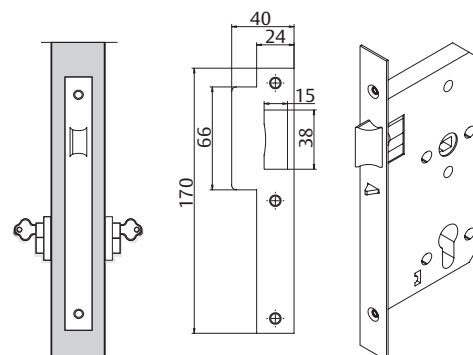
Model no.: AA5106

Description: AA5106 ASSA ABLOY Euro mortise lockcase
Door thickness: 35mm to 50mm

Finish: SSS - Satin Stainless Steel

Outside: Latch is withdrawn by key or turn.

Inside: Latch is withdrawn by key in turn.



Mortise Lockcase - AA5100 Series

ASSA ABLOY

Mortise Lock AA5100 Series

Roller Bolt Entrance Lockcase

Model no.: AA510R

Description: AA510R ASSA ABLOY Euro mortise lockcase
Door thickness: 35mm to 50mm

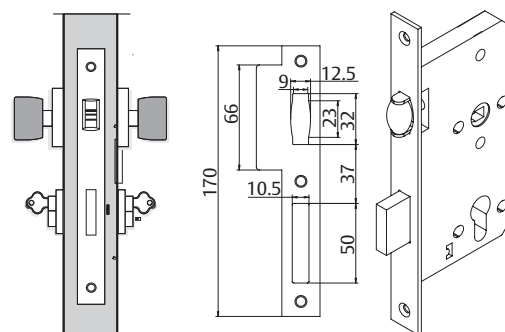
Finish: SSS - Satin Stainless Steel

Outside: Bolt is locked or unlocked by key or turn.

Inside: Bolt is locked or unlocked by key or turn.

*Roller bolt can always open the door from inside and outside when door is unlocked, roller bolt is not operated by handle.

Note: Optional double door strike can be provided



Mortise Lock AA5100 Series

Panic exit entrance Lockcase

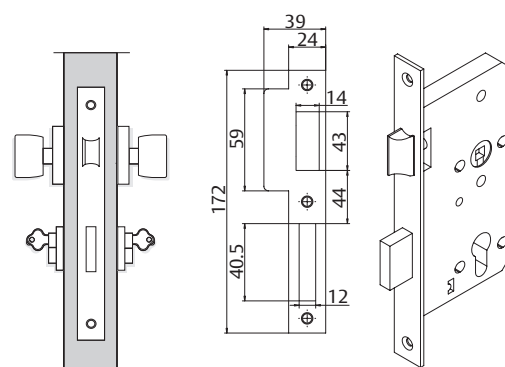
Model no.: AA510P

Description: AA510P ASSA ABLOY Euro mortise lockcase
Door thickness: 35mm to 50mm

Finish: SSS - Satin Stainless Steel

Outside: Outside handle is made inoperative by key or turn from inside or key from outside. Key locks or unlocks the outside handle only.

Inside: Opened by handle at all times.



Accessories Toilet Indicator

R53-4/38

Model no.: R53-4/38

Description: ASSA ABLOY Toilet Indicator

Finish: SSS - Satin Stainless Steel

Note: To be used with Privacy mortise lockcase AA5109



Regular Mortise
AA5100 Series

Code example

AA5103 5572

→ CTC: 72mm

→ Backset: 55mm or 60mm

→ **Function Code**

- Passage Latch - 1
- Entrance Lockcase - 3
- Deadlock Lockcase - 4
- Classroom Lockcase - 5
- Privacy Lockcase - 9
- Nightlatch Lockcase - 6
- Roller bolt entrance Lockcase - R
- Panic exit entrance Lockcase - P

For all models, add -F to the code for fire-rated lockcases. Example: AA5103 5572-F

ASSA ABLOY Narrow Profile Mortise Lockcase Features & Benefits

ASSA ABLOY

Narrow Profile Mortise Lockcase AA5100 Series

Key features:

- Made of SS 304
- 4 different functions
- 4 Backset options
- Non-handed - latch reversible
- Compliant to BS EN 12209

Benefits:

- High corrosion resistance
- High durability
- Versatile usage

Technical details:

- Center to center - 85mm
- Backset - 20mm, 25mm, 30mm, 35mm
- Door thickness required - 35mm to 50mm with the standard screw fixing pack provided
- Fits standard cam euro profile cylinder
- Single throw projection deadbolt - 15mm
- Suitable for hinged aluminium and metal doors
- All mortise lockcases contain suitable strike plates and screws

The range of ASSA ABLOY mortise lockcases consists of various functions to meet the most enhanced security and locking requirements.



ASSA ABLOY Narrow Profile Mortise Lockcase - AA5100 Series

ASSA ABLOY

Narrow Profile
Mortise Lockcase
AA5100 Series

Passage Lockcase

Model no.: AA5101 2085, AA5101 2585, AA5101 3085
AA5101 3585

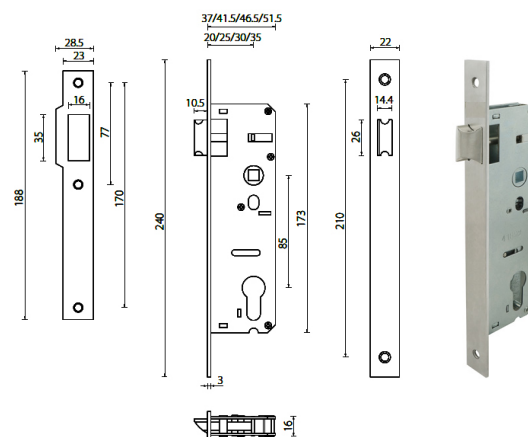
Description: AA5101 ASSA ABLOY Narrow profile mortise lockcase
C to C: 85mm

Finish: SSS - Satin Stainless Steel

Outside: Opened by handle at all times

Inside: Opened by handle at all times

Model no.	Backset
AA5101 2085	20mm
AA5101 2585	25mm
AA5101 3085	30mm
AA5101 3585	35mm



Narrow Profile
Mortise Lockcase
AA5100 Series

Entrance Lockcase

Model no.: AA5103 2085, AA5103 2585, AA5103 3085
AA5103 3585

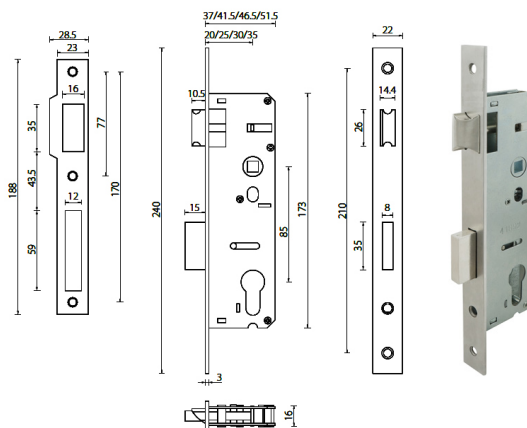
Description: AA5103 ASSA ABLOY Narrow profile mortise lockcase
C to C: 85mm

Finish: SSS - Satin Stainless Steel

Outside: Opened by handle when unlocked.
Lever withdraws latchbolt. Key locks or unlocks bolt, key withdraws latchbolt.

Inside: Opened by handle when unlocked. Lever handle at one side withdraws latchbolt. Key or turn locks to unlocks the bolt, key or turn locks to withdraw latchbolt.

Model no.	Backset
AA5103 2085	20mm
AA5103 2585	25mm
AA5103 3085	30mm
AA5103 3585	35mm



ASSA ABLOY Narrow Profile Mortise Lockcase - AA5100 Series

ASSA ABLOY

Narrow Profile
Mortise Lockcase
AA5100 Series

Deadlock Lockcase

Model no.: AA5104 2085, AA5104 2585, AA5104 3085
AA5104 3585

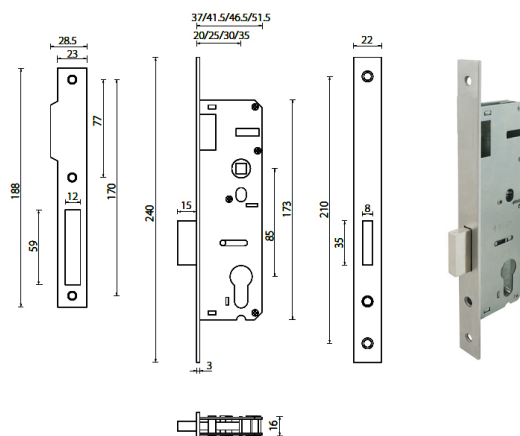
Description: AA5104 ASSA ABLOY Narrow profile mortise lockcase
C to C: 85mm

Finish: SSS - Satin Stainless Steel

Outside: Bolt is locked or unlocked by key or turn.

Inside: Bolt is locked or unlocked by key or turn.

Model no.	Backset
AA5104 2085	20mm
AA5104 2585	25mm
AA5104 3085	30mm
AA5104 3585	35mm



Narrow Profile
Mortise Lockcase
AA5100 Series

Roller Bolt Entrance
Lockcase

Model no.: AA510R 2085, AA510R 2585, AA510R 3085
AA510R 3585

Description: AA510R ASSA ABLOY Narrow profile mortise lockcase
C to C: 85mm

Finish: SSS - Satin Stainless Steel

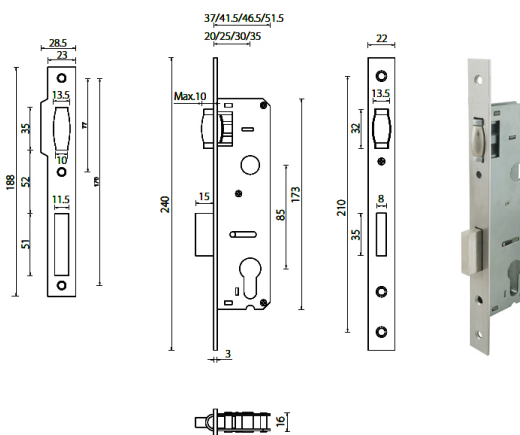
Outside: Bolt is locked or unlocked by key or turn.

Inside: Bolt is locked or unlocked by key or turn.

*Roller bolt can always open the door from inside and outside when door is unlocked, roller bolt is not operated by handle.

Note: Optional double door strike can be provided

Model no.	Backset
AA510R 2085	20mm
AA510R 2585	25mm
AA510R 3085	30mm
AA510R 3585	35mm



Narrow Profile
Mortise Lockcase

AA5100 Series

Code example

AA5103 2085

- CTC: 85mm
- Backset: 20mm, 25mm, 30mm or 35mm
- **Function Code**
 - Passage Latch - 1
 - Entrance Lockcase - 3
 - Deadlock Lockcase - 4
 - Roller bolt entrance Lockcase - R

Sliding Door Lockcase

ASSA ABLOY

Sliding Door Lock

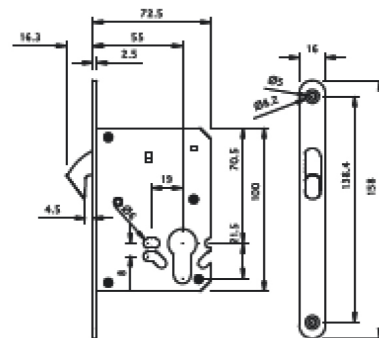
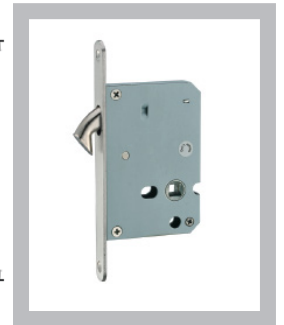
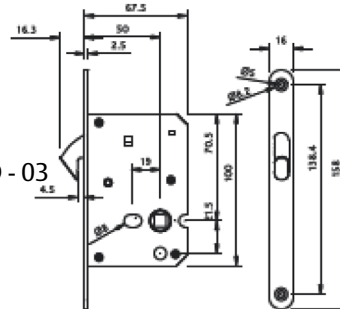
ASLD-02
ASLD-03

Model no.: ASLD-02

Description: ASLD-02 ASSA ABLOY Euro mortise
Sliding Door Lockcase
For lock with spindle follower please order ASLD - 03

Dimensions: 167mm x 21mm x 66mm

Finish: Satin Stainless Steel



ASSA ABLOY ANSI Mortise Lockcase

Features & Benefits

ASSA ABLOY

Mortise Lockcase AA8700 Series

Key Feature

- ANSI/BHMA A156.13 Grade 1
- Fire rated UL 10C
- Made of 304 stainless steel
- 1,000,000 cycles tested
- 15 latching functions
- Non-handed - latch reversible
- Door thickness: range 45-55 mm with the standard screw fixing pack provided
- 70mm backset

Benefits:

- High corrosion resistance
- High durability
- Versatile usage
- Can be used for fire doors
- Lesser number of SKUs
- Provide maximum security performance
- Application in commercial buildings, schools and other institutions

Standard & Certification

ANSI/BHMA 156.13
Operational Grade 1

UL10C

BHMA Listed

Technical details

- Center to center - 92mm
- Bevel front - free-floating to adjust from flat to the standard bevel of 3mm in 51mm
- Double throw projection deadbolt - 25.5mm
- Latchbolt - 19mm, stainless steel 304 made two-piece anti-friction reversible latchbolt camming action
- Case - Heavy Gauge wrought steel, Zinc dichromated
- Handing - Reversible at site
- Trim Alignment - Expansion anchor spindle fixing method ensures top security and tightening
- Suitable for hinged timber, metal and fire doors
- All mortise lock contain ANSI strike plate and screws

Finishes

- 630 Satin Stainless Steel
- 724 PVD Bright Brass

Consult local ASSA ABLOY sales representative when other finish is required

Application

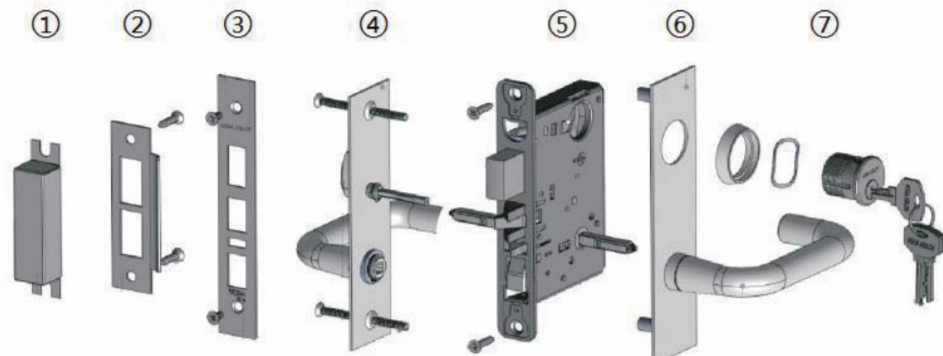
- Suitable for hinged timber, metal and fire doors where applicable
- Favorable for various application in commercial building, industrial plant, school, hospital, airport, gymnasium, shopping mall and most public building



ANSI Mortise Lock - AA8700 Series

ASSA ABLOY

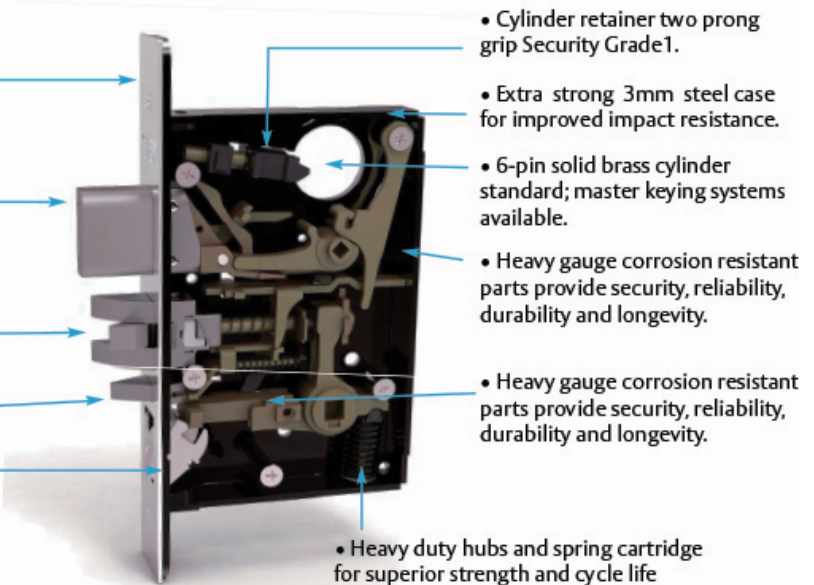
Section



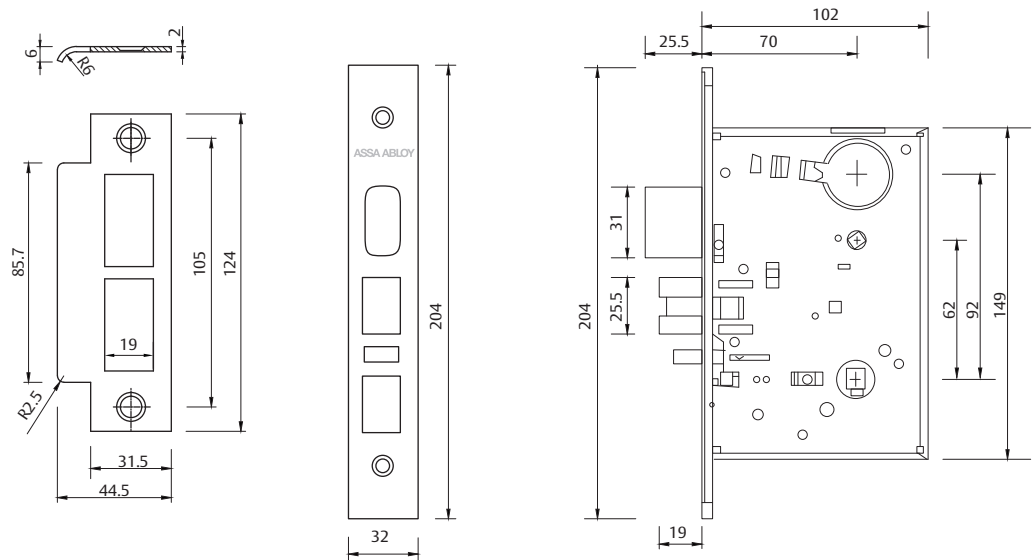
- | | |
|------------------------------|----------------|
| ① Wrought strike box | ④&⑥ Trim |
| ② ANSI Template Strike Plate | ⑤ Lock Body |
| ③ Armor Front | ⑦ Cylinder Set |

Structure

- 1.5mm thick stainless steel outside front plate. Adjustable for door bevels from flat to 3mm in 51mm.
- 25.5mm throw, slim oval shape stainless steel 304 made deadbolt with two enclosed hardened-steel roller armor pin.
- 19mm projection stainless steel two-piece latch, reversible at site. Anti-friction piece for quiet operation and prevents scratching of strike plate.
- Non-handed stainless steel deadlatch.
- Inside front 3mm steel (full length). One-piece design to hold lock securely in door.

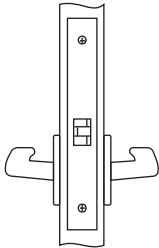
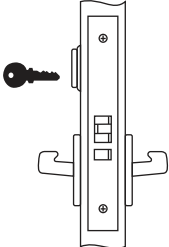
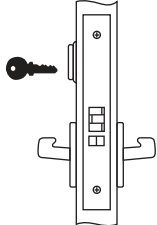
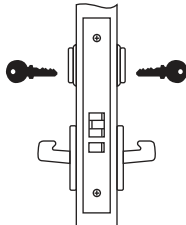
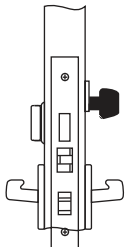


Lock Dimension



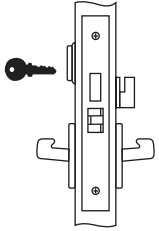
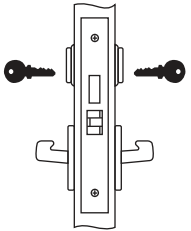
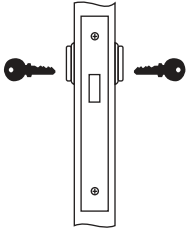
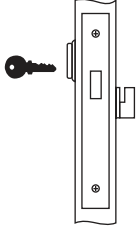

ANSI Mortise Lock - AA8700 Series

ASSA ABLOY

<p>Function No.</p> <p>F01</p> <p>Passage or Closet</p>	<p><i>Model No.</i></p> <p>AA8701</p>	<p><i>Description</i></p> <ul style="list-style-type: none"> • Latchbolt retracted by lever either side at all times • Both levers always free 	<p><i>Outside</i> <i>Inside</i></p> 
<p>F05</p> <p>Classroom</p>	<p>AA8705</p>	<ul style="list-style-type: none"> • Latchbolt retracted by lever either side, unless outside lever is locked by key outside • Auxiliary latch deadlocks latchbolt • Inside lever always free 	
<p>F07</p> <p>Storeroom or Closet</p>	<p>AA8707</p>	<ul style="list-style-type: none"> • For use on storeroom, utility, exit doors. • Latchbolt retracted by key outside, knob/lever inside. • Outside knob/lever rigid at all times. • Inside knob/lever always active. • Deadlocking latchbolt. 	
<p>F09</p> <p>Entrance or Public Restroom</p>	<p>AA8709</p>	<ul style="list-style-type: none"> • Latchbolt retracted by lever either side, unless outside lever by key inside • When outside lever is locked, latchbolt is operated by key outside and lever inside • Auxiliary latch deadlocks latchbolt • Inside lever always free 	
<p>F10</p> <p>Apartment Corridor Door Lock</p>	<p>AA8710</p>	<ul style="list-style-type: none"> • Key and thumbturn both retract & project deadbolt • Trim outside is locked by toggle or projecting deadbolt • Key retracts both latchbolt and deadbolt, trim outside remains locked • Trim outside retracts latchbolt only, deadbolt is retracted manually & trim outside remains locked 	

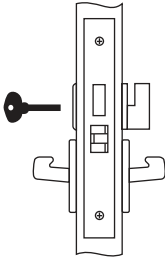
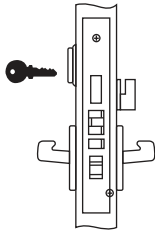
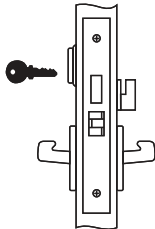
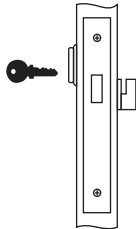
ANSI Mortise Lock - AA8700 Series

ASSA ABLOY

	Model No.	Description	Outside	Inside
Function No. F13 Dormitory, Entrance or Storeroom	AA8013	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side Deadbolt operated by key outside, or by thumbturn inside When the deadbolt is projected, outside lever is automatically locked Inside lever simultaneously retracts latchbolt and deadbolt, automatically unlock outside lever 		
F14 Storeroom or Closet	AA8714	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side Deadbolt operated by key both sides 		
F16 Dead lock Double cylinders	AA8716	<ul style="list-style-type: none"> Deadbolt operated by key either side Not UL Listed <p>Note: Use only on rooms with more than one exit</p>		
F17 Deadlock Cylinder and turn	AA8717	<ul style="list-style-type: none"> Deadbolt by key outside or by thumbturn inside 		
F18 Deadlock Single side cylinder	AA8718	<ul style="list-style-type: none"> Deadbolt operated by key outside only No inside operation Not UL Listed 		

ANSI Mortise Lock - AA8700 Series

ASSA ABLOY

Function No.	Model No.	Description	Outside	Inside
F19 Privacy, Bedroom or Bathroom	AA8719	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side Deadbolt operated by thumbturn outside, or by emergency release tool outside When the deadbolt is projected, outside lever is automatically locked Inside lever simultaneously retracts latchbolt and deadbolt, automatically unlock outside lever 		
F20 Apartment or Dormitory	AA8720	<ul style="list-style-type: none"> Latchbolt retracted by lever either side, unless outside lever is locked by toggle-action stop or by projection of deadbolt Deadbolt operated by key outside or by thumbturn inside When outside lever is locked, latchbolt and deadbolt are operated by key outside When the deadbolt is projected, outside lever is automatically locked Inside lever simultaneously retracts latchbolt and deadbolt with outside lever remains locked Auxiliary latch deadlocks latchbolt 		
F21 Storeroom or Closet	AA8721	<ul style="list-style-type: none"> Latchbolt retracted by knob/lever either side Deadbolt operated by key outside, or by thumbturn inside 		
F29 Classroom Deadlock	AA8729	<ul style="list-style-type: none"> Deadbolt operated by key outside , thumbturn inside Thumbturn inside will retract the deadbolt but will not project it Not UL Listed 		

ANSI Mortise Lock - AA8700 Series

ASSA ABLOY

How to order : AA8700 Series

Model. No.		Lever Design		Cylinder Length		Finish
Example: AA8701	—	H01	—	CY32 E	—	630
AA8701						
AA8705		H01				
AA8707						
AA8709**		H02				
AA8710						
AA8713		H03		CY32E 1-1/4" (32mm)*		630 Satin Stainless Steel
AA8714	—		—	CY32EC 1-1/4" (32mm)**	—	724 PVD Bright Brass
AA8716		H04				
AA8717						
AA8718		H05				
AA8719						
AA8720		K 01				
AA8721						
AA8729						

* Cylinder CY32E of length 32mm for door thickness 40-54mm, consult factory for suitable cylinder length to specific door thickness
** CY32EC are double cylinders for AA8709 only

ANSI Mortise Lock - AA8700 Series

ASSA ABLOY

Electrified mortise AA8700 Series

Key Feature

- Mechanical key override
- Available in 12 volts DC (option 24 volts DC)
- External rectifier for AC operation
- Available Fail Safe or Fail Secure
- Single LBM, DBM and REX
- Continuous duty solenoid
- 480mA@12VAC/DC (standard)
- 240mA@24VAC/DC (option)
- Requires a 2-wire pivot or hinge to get power from the frame to the door

Benefits:

- Provide the ability to electrically lock or unlock the outside trim from a remote location
- Fail Safe locks - commonly used in stair towers to release upon fire alarm activation
- Fail Secure locks - used on perimeter doors or security doors to allow ingress using access control technologies

Standard & Certification

ANSI/BHMA 156.13
Operational Grade 1

UL10C

Technical details

- Fail Safe
 - Power on locks outside/inside lever
 - Deadlocking latchbolt
 - Latchbolt retracted by mechanical key when locked electrically
- Fail Secure
 - Power on locks outside/inside lever
 - Deadlocking latchbolt
 - Latchbolt retracted by mechanical key when power is off

Monitoring

Option

- REX (Request to Exit) - An SPDT switch that monitors activation of the free lever (not available with knob trim). REX is available for all mechanical and electrified functions and can be supplied alone or with either LBM or DBM.
- LBM (Latchbolt Monitor) - An SPDT switch that monitors full retraction of the main latch. LBM is available for all mechanical and electrified functions without a deadbolt and can be supplied alone or with REX.
- DBM (Deadbolt Monitor) - An SPDT switch that monitors full extension or retraction of the deadbolt. DBM is available for all mechanical and electrified functions with a deadbolt and can be supplied alone or with REX. DBM can not be used with LBM.

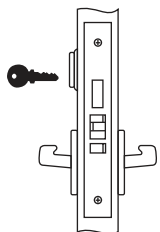
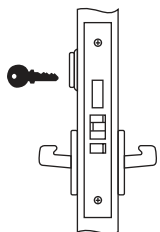
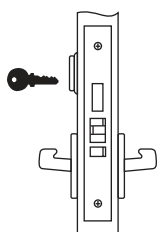
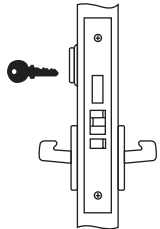


AA8790 (Fail Safe)
AA8791 (Fail Secure)

AA8792 (Fail Safe)
AA8793 (Fail Secure)

ANSI Mortise Lock - AA8700 Series

ASSA ABLOY

Function No.	Model No.	Description	Outside	Inside
90 Latch	AA8790	<ul style="list-style-type: none"> • Power off - outside lever active • Power on - outside lever locked • Auxiliary latch deadlocks latchbolt • Inside lever always free • Mechanical key override by outside when locked 		
91 Latch	AA8791	<ul style="list-style-type: none"> • Power off - outside lever locked • Power on - outside lever active • Auxiliary latch deadlocks latchbolt • Inside lever always free • Mechanical key override by outside when locked 		
92 Latch & Deadbolt	AA8792	<ul style="list-style-type: none"> • Power off - outside lever active • Power on - outside lever locked • Auxiliary latch deadlocks latchbolt • Inside lever always free • Mechanical key override by outside when locked 		
93 Latch & Deadbolt	AA8793	<ul style="list-style-type: none"> • Power off - outside lever locked • Power on - outside lever active • Auxiliary latch deadlocks latchbolt • Inside lever always free • Mechanical key override by outside when locked 		

How to order : Electrified Mortise

Model No.	Lever Design	Cylinder Length	Finish	Monitor
Example: AA8790	H01	CY32 E	630	/ REX
AA8790	H01			
AA8791	H02			/ REX
AA8792	H03			/ LBM
AA8792	H04	CY32E 1-1/4" (32mm)**	630 Satin Stainless Steel	/ DPS
AA8793	H05		724 PVD Bright Brass	/ DBM*
	K01			

* DBM is only for AA8792 and AA8793

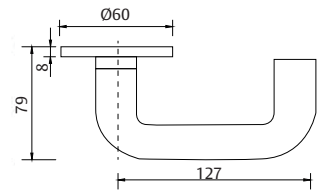
** Cylinder CY32E of length 32mm for door thickness 40-54mm, consult factory for suitable cylinder length to specific door thickness

ANSI Mortise Lock - AA8700 Series

ASSA ABLOY

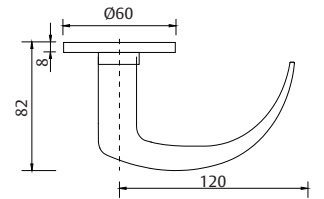
H01

Model No. : **H01**
Material : 304 Stainless Steel
Construction : Hollow
Finish : 630 Satin Stainless Steel



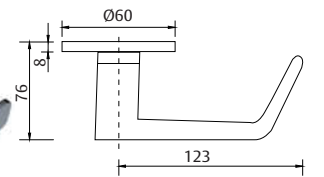
H02

Model No. : **H02**
Material : 304 Stainless Steel
Construction : Solid
Finish : 630 Satin Stainless Steel



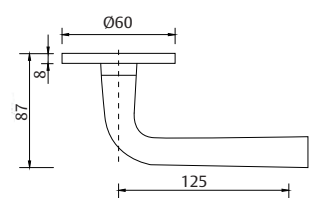
H03

Model No. : **H03**
Material : 304 Stainless Steel
Construction : Solid
Finish : 630 Satin Stainless Steel



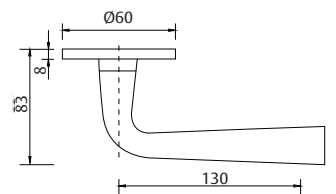
H04

Model No. : **H04**
Material : 304 Stainless Steel
Construction : Hollow
Finish : 630 Satin Stainless Steel



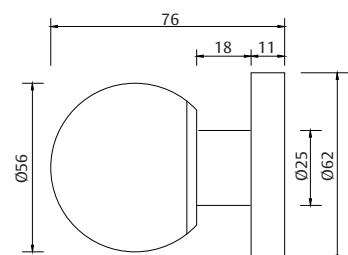
H05

Model No. : **H05**
Material : 304 Stainless Steel
Construction : Hollow
Finish : 630 Satin Stainless Steel



K01

Model No. : **K01**
Material : 304 Stainless Steel
Construction : Hollow
Finish : 630 Satin Stainless Steel

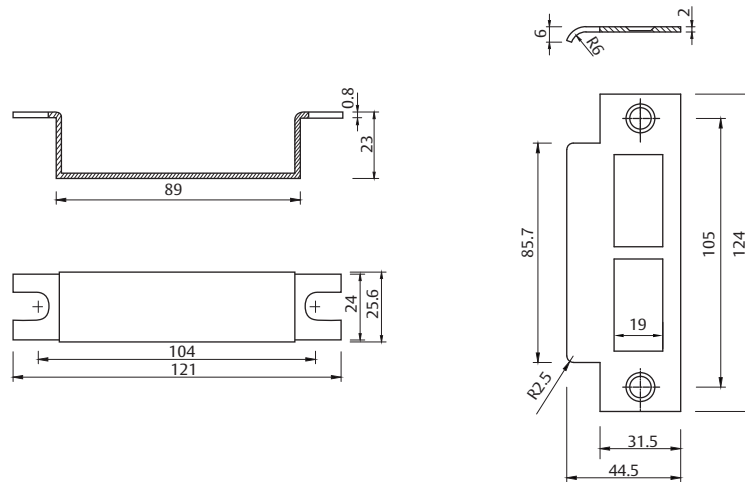


ANSI Mortise Lock - AA8700 Series

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Strike and Strike Box

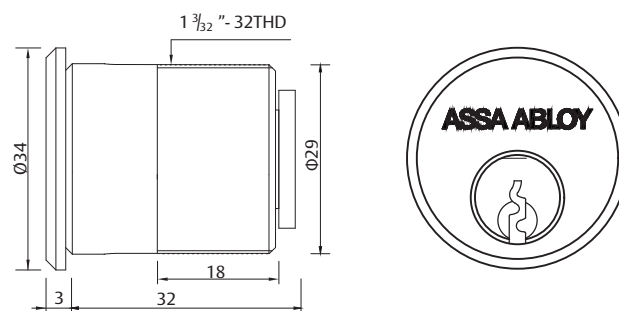
- 6mm curved lip
- 32mm lip length as standard for 40-54mm door thickness, please consult factory for suitable strike length to specific door thickness
- strike materials 304 stainless steel
- strike box materials galvanized steel



All dimensions are in mm

Cylinder

- 6-pin high security ANSI cylinder with nickel silver brass key
- Option master key system up to GG MK
- 32mm (1-1/4") length as standard for 40-54mm door thickness
- Option cylinder length are 30mm (1-1/8"), 35mm (1-3/8"), 38mm (1-1/2"), 45mm (1-3/4"), 51mm (2"), 57mm (2-1/4") for difference door thickness
- Consult factory for suitable cylinder length to specific door thickness

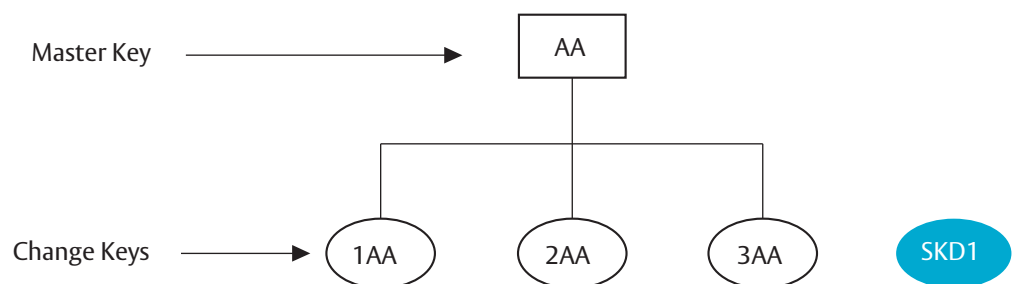


Master Keying Level of Control

Simple Master Key System (2 Level of Keying)

The master key symbol consists of TWO letters, such as AA. The change key numbers are added to the master key letters. The numbers come FIRST: 1AA, 2AA, 3AA, etc.

When locks are required which are not operated by the master key or other change keys in the system, they are referred to as "single keyed" and given symbols SKD1, SKD2, etc. When all higher levels of master keys are to be disallowed, suffix (NMK) to the symbol of the key which is to operate. This means "not master keyed." Cylinder 1AA (NMK) is operated by 1AA only. The AA master is blocked from operation.



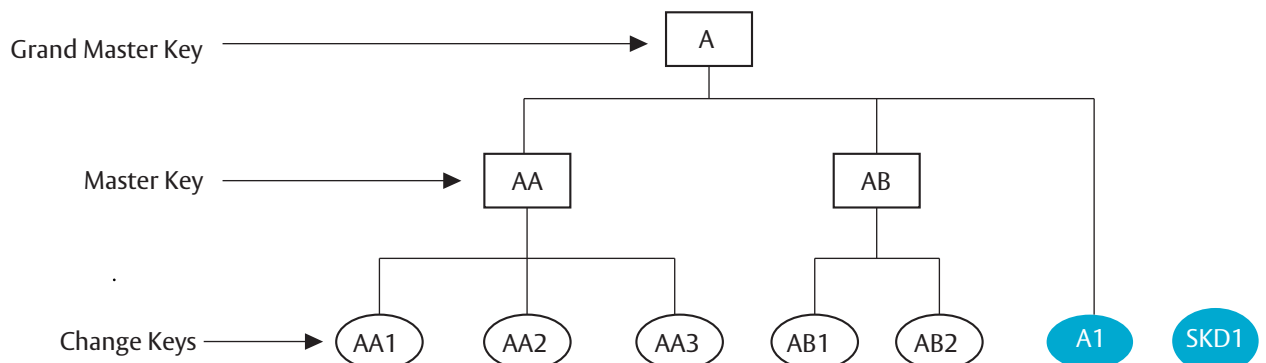
Grand Master Key System (3 Levels of Keying)

The grand master is assigned any ONE letter, such as A. The master keys under this grand are assigned TWO letters, the first of which must be the same as the grand: AA, AB, AC, etc. are all masters under grand A. Caution: Do not use the letters I, O or Q because of possible confusion with the numerals 1 and 0, respectively. Also do not use the letter X due to confusion with cross keying. Change key numbers come after the letters.

For master keys beyond AZ, insert a numeral between the letters to designate which pass through the alphabet they represent. A2A through A2Z represents the second pass of masters under grand A. A3A through A3Z would be the third. Change keys under these masters have the numbers suffixed in the usual way: A2A1, A2A50, etc.

If the cylinder is to be operated by its change key and nothing lower than the single lettered GMK, the change number is added to the GMK symbol. This is illustrated by the example A1 in the schematic shown. When locks are required which are not operated by ANY master keys or other change keys in the system, they are referred to as "single keyed" and given symbols SKD1, SKD2, etc.

When all higher levels of master keys are to be disallowed, suffix (NMK) to the symbol of the key which is to operate. This means "not master keyed" and can be applied to any level in the system. Cylinder AA1 (NMK) is operated by AA1 only. The AA master and A grand are blocked from operation. Cylinder AA (NMK) would be operated by the AA master only. Grand A does not operate.



Master Keying Level of Control

Great Grand Master Key System (4 Levels of Keying)

The great grand master key is assigned the symbol GGM. The rest of the symbols are the same as those in 3-level systems:

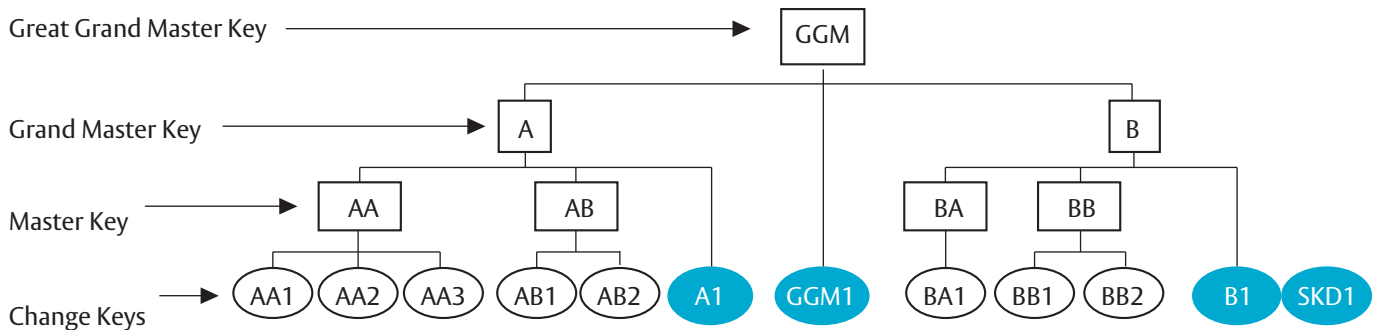
The GMKs are assigned single letters, e.g., A, B, C, D, etc. Caution: Never use X for a grand master key due to confusion.

Masters under each GMK are assigned two letters, the first of which is the same as its respective grand master key. Change key numbers come after the letters. Changes under the grand (A1, B1, etc.) and masters beyond AZ are handled exactly as in the 3-level system already described.

Changes directly under a grand are also handled as illustrated in the 3-level system. For changes directly under the GGM with no intermediate level masters, the change number is added directly to GGM as shown by the example GGM1 in the schematic.

When locks are required which are not operated by ANY master keys or other change keys in the system, they are referred to as "single keyed" and given symbols SKD1, SKD2, ETC.

When all higher levels of master keys are to be disallowed, suffix (NMK) to the symbol of the key which is to operate. This means "not master keyed" and can be applied to any level in the system. Cylinder AA1(NMK) is operated by AA1 only. The AA master, A grand and GGM are all blocked from operation. Cylinder AA(NMK) is operated by AA master only. Grand A and the GGM do not operate. Cylinder A(NMK) would be operated by the A grand only, without the GGM.



Handing

The outside is the key side of an entrance door or the corridor side of a room door. The outside of a single communicating door is the side opposite the hinges. The outside of twin communicating doors is the space between the doors.



Left Hand: Hinges on left, opens inward. For handed locks, specify LH.



Left Hand Reverse: Hinges on left, opens outward. For handed locks, specify LHR.



Right Hand: Hinges on right, opens inward. For handed locks, specify RH.



Right Hand Reverse: Hinges on right, opens outward. For handed locks, specify RHR.

ANSI Mortise Lock - AA8700 Series

ASSA ABLOY

How to order : Trims set

Lever Design	Function	Cylinder Length	Finish
Example: H01	M01	CY32E	630
H01	F01 Passage or Closet	CY32E 1-1/4" (32mm)	630 Satin Stainless Steel 724 PVD Bright Brass
H02	F05 Entrance or Office		
H03	F07 Storeroom or Closet		
H04	F09 Entrance or Restroom		
H05	F19 Privacy, Bathroom or Bedroom		
K01	F20 Apartment or Dormitory		
	F90 For AA8790/AA8791	No cylinder	
	F92 For AA8792/AA8793		

* Cylinder CY32E of length 32mm for door thickness 40-54mm, consult factory for suitable cylinder length to specific door thickness

How to order : Cylinder

Model No.	Length	Finish	Master Key System (if required)
Example: CY	32 E	630	KD
CY	30E 1-1/8" (30mm)	630 Satin Stainless Steel 724 PVD Bright Brass	KD KA MK GMK GGMK
	32E* 1-1/4" (32mm)		
	35E 1-3/8" (35mm)		
	38E 1-1/2" (38mm)		
	45E 1-3/4" (45mm)		
	50E 2" (50mm)		
	57E 2-1/4" (57mm)		
	32C** 1-1/4" (32mm)		

* Cylinder CY32E of length 32mm for door thickness 40-54mm, consult factory for suitable cylinder length to specific door thickness

** CY32C is only for AA8709 inside.



Euro Profile Cylinders

ASSA ABLOY

The global leader in
door opening solutions

ASSA ABLOY Euro Profile Cylinders

Features & Benefits

ASSA ABLOY

Euro Profile Cylinder

Key features:

- 6 pin C4 key profile cylinders - Can be keyed to C4 key profile locking products
- 4 levels of master keying system
- Available lengths - 45mm, 60mm, 70mm, 80mm, 90mm, 100mm

Benefits:

- Versatile usage
- Key control
- Suitable for various thickness of doors

Technical details:

- Satin Nickel finish
- Suitable door thickness up to 120mm
- Each euro profile cylinder supplied with 3 keys
- Cylinders available in -
 1. Cylinder and turn
 2. Double cylinder
 3. Single cylinder
 4. Privacy cylinder

ASSA ABLOY range of euro profile fixed cam cylinders is suitable to be used with euro profile mortise lockcases.



Cylinders - Euro Profile

ASSA ABLOY

Euro Profile Cylinder

Cylinder and turn

Model no.	Cylinder length	Finish
AACT30/30SNKD	Overall Length - 60mm Case Length - 30/30	Satin Nickel
AACT35/35SNKD	Overall Length - 70mm Case Length - 35/35	Satin Nickel
AACT40/40SNKD	Overall Length - 80mm Case Length - 40/40	Satin Nickel
AACT45/45SNKD	Overall Length - 90mm Case Length - 45/45	Satin Nickel
AACT50/50SNKD	Overall Length - 100mm Case Length - 50/50	Satin Nickel

Description: Cylinder and Thumbturn cylinder,
C4 key profile, fixed cam, 6 pin,
Master keying optional



Euro Profile Cylinder

Double cylinder

Model no.	Cylinder length	Finish
AADC30/30SNKD	Overall Length - 60mm Case Length - 30/30	Satin Nickel
AADC35/35SNKD	Overall Length - 70mm Case Length - 35/35	Satin Nickel
AADC40/40SNKD	Overall Length - 80mm Case Length - 40/40	Satin Nickel
AADC45/45SNKD	Overall Length - 90mm Case Length - 45/45	Satin Nickel
AADC50/50SNKD	Overall Length - 100mm Case Length - 50/50	Satin Nickel

Description: Cylinder and Thumbturn cylinder,
C4 key profile, fixed cam, 6 pin,
Master keying optional



Euro Profile Cylinder

Half cylinder

Model no.	Cylinder length	Finish
AA C/40	Overall Length - 40mm Case Length - 30/10	Satin Nickel
AA C/45	Overall Length - 45mm Case Length - 35/10	Satin Nickel

Description: 6 pin single cylinder, fixed cam,
Master keying optional



Euro Profile Cylinder

Privacy cylinder

Model no.	Cylinder length	Finish
AA BT/30/30	Overall Length 60mm Case Length - 30/30	Satin Nickel
AA BT/35/35	Overall Length - 70mm Case Length - 35/35	Satin Nickel

Description: AA BT/30/30 - ASSA ABLOY Bathroom (Privacy)
AA BT/35/35 - ASSA ABLOY Bathroom (Privacy)

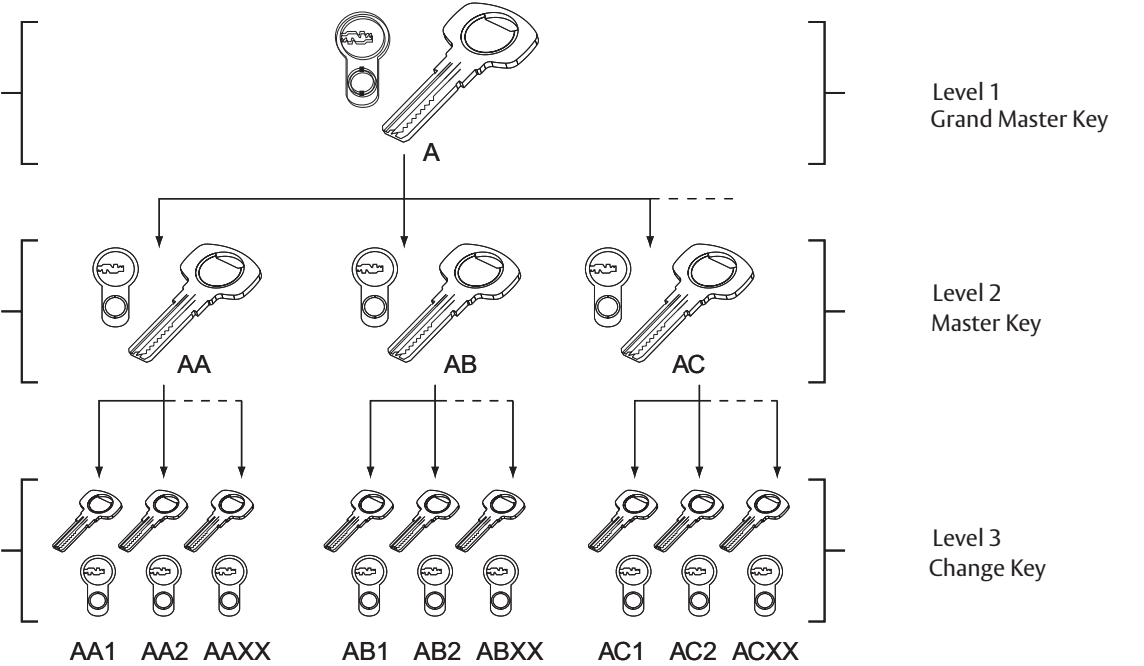


Master key system

Hierarchy

Pictorial

Representation





Cylindrical Locksets

ASSA ABLOY

The global leader in
door opening solutions

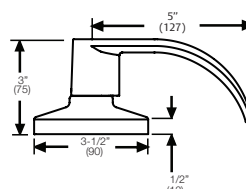
ASSA ABLOY Leverset AAL1000 ANSI Grade 1

ASSA ABLOY

AAL1000

ANSI Grade 1
Heavy Duty
Cylindrical Leverset

AAL1000 HN



Finish



US10B

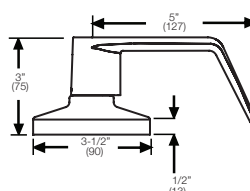
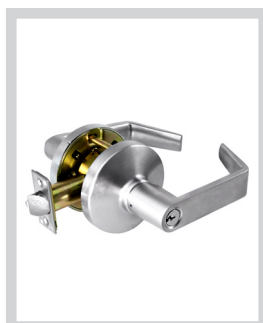


US26



US26D

AAL1000 CL



Finish



US10B

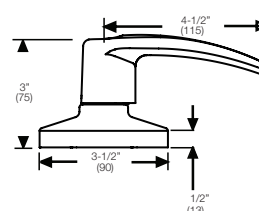
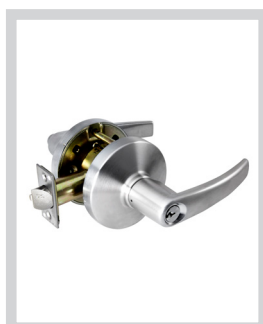


US26



US26D

AAL1000 FF



Finish



US10B



US26



US26D

Lever Style	Series Name	Function Code	Finish Code	Ordering Example
HN	AAL1000	Passage - 1	US10B	<div> <div>AAL10003 HN</div> <div> <div>Function Code</div> <div> <div>3</div> <div>HN</div> </div> <div>Lever Style</div> </div> <div>AAL10009 CL</div> </div>
		Entrance - 3		
CL		Privacy - 9	US26	
		Storeroom - S		
FF		Dummy - D	US26D	

AAL1000 Series Specification

- **Standard** : ANSI Grade 1, 3 hours fire rated
- **Testing Cycles** : 1,000,000 cycles tested
- **Materials** : Zinc die-cast
- **Backset** : 70mm
- **Door Thickness** : 35~50mm
- **Cylinder** : Solid brass 6-pin tumbler cylinder



ASSA ABLOY Cylindrical Leverset

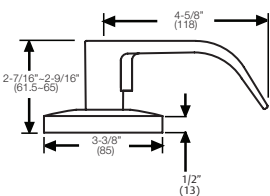
AAL2000 ANSI Grade 2

ASSA ABLOY

AAL2000

ANSI Grade 2
Medium Duty
Cylindrical Leverset

AAL2000 DV



Finish

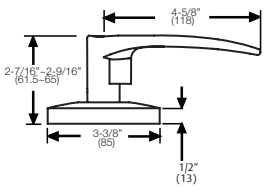


US10B

US26

US26D

AAL2000 FF



Finish

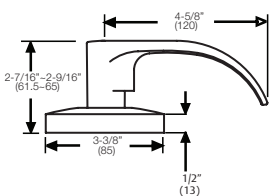


US10B

US26

US26D

AAL2000 HN



Finish

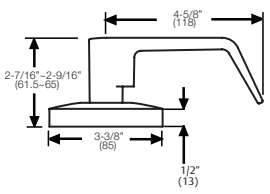


US10B

US26

US26D

AAL2000 CL



Finish



US10B

US26

US26D

ASSA ABLOY Cylindrical Leverset

AAL2000 ANSI Grade 2

ASSA ABLOY

AAL2000

ANSI Grade 2
Medium Duty
Cylindrical Leverset

Lever Style	Series Name	Function Code	Finish Code	Ordering Example
DV	AAL2000	Passage - 1	US10B	<div><div>AAL20003FF</div><div><div>Function Code</div><div>←</div></div><div><div>→</div><div>Lever Style</div></div><div>AAL2000DCL</div></div>
FF		Entrance - 3		
		Privacy - 9	US26	
HN		Storeroom - S	US26D	
CL		Dummy - D		

AAL2000 Series Specification

- **Standard** : ANSI Grade 2, 3 hours fire rated
- **Testing Cycles** : 400,000 cycles tested
- **Materials** : Zinc die-cast
- **Backset** : 70mm
- **Door Thickness** : 35~50mm
- **Cylinder** : Solid brass 6-pin tumbler cylinder



ASSA ABLOY Leverset

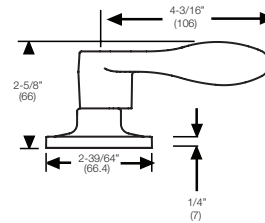
AAL3000 ANSI Grade 3

ASSA ABLOY

AAL3000

ANSI Grade 3
Light Duty
Cylindrical Leverset

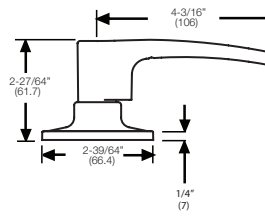
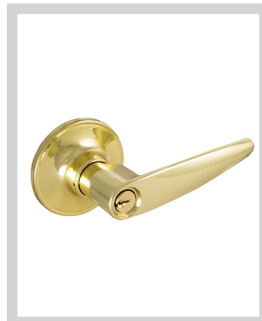
AAL3000 LC2



Finish



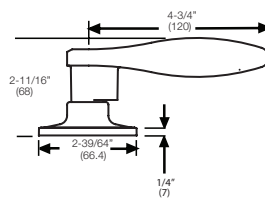
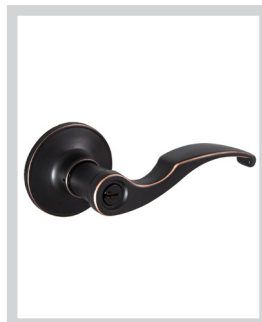
AAL3000 LH



Finish



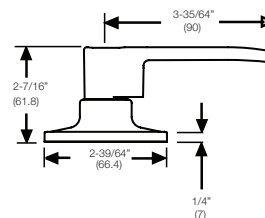
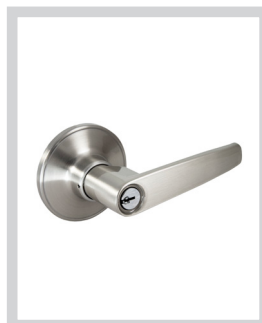
AAL3000 LA



Finish



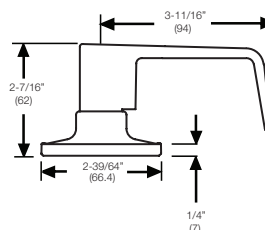
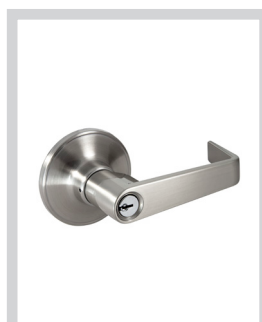
AAL3000 LG



Finish



AAL3000 LU



Finish



ASSA ABLOY Leverset

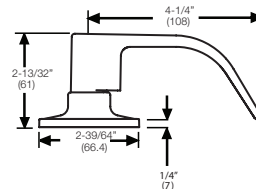
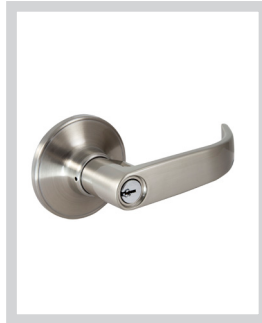
AAL3000 ANSI Grade 3

ASSA ABLOY

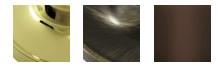
AAL3000

ANSI Grade 3
Light Duty
Cylindrical Leverset

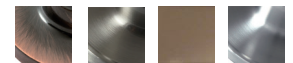
AAL3000 LN



Finish

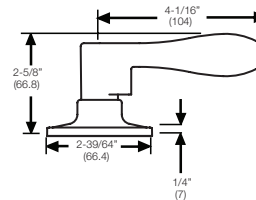
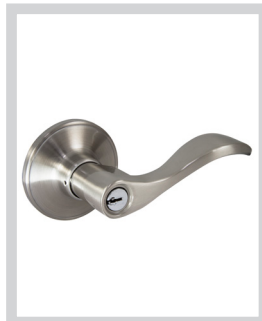


US3 US5 US10B



US11 US15 US26 US26D

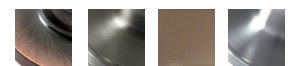
AAL3000 LYE



Finish

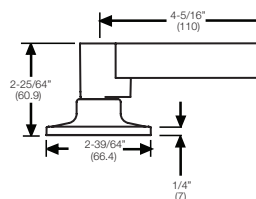
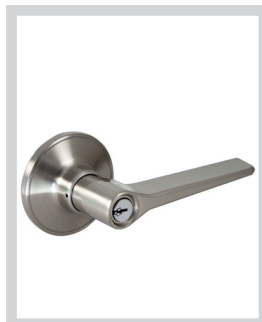


US3 US5 US10B

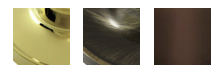


US11 US15 US26 US26D

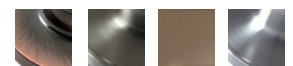
AAL3000 LE



Finish

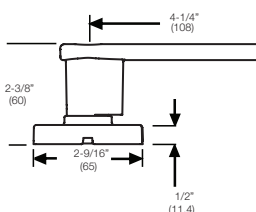
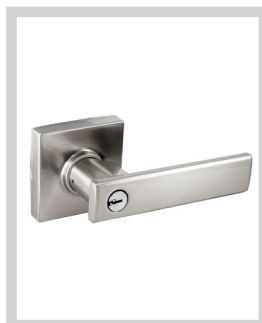


US3 US5 US10B



US11 US15 US26 US26D

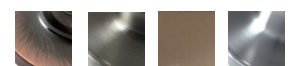
AAL3000 LP1



Finish

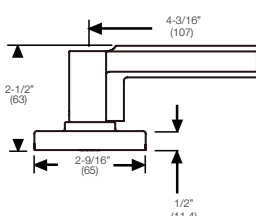


US3 US5 US10B

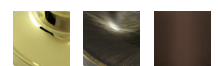


US11 US15 US26 US26D

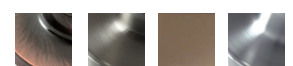
AAL3000 LP3



Finish



US3 US5 US10B



US11 US15 US26 US26D

ASSA ABLOY Leverset

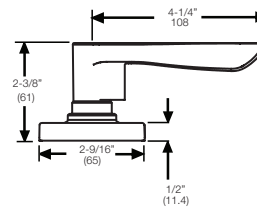
AAL3000 ANSI Grade 3

ASSA ABLOY

AAL3000

ANSI Grade 3
Light Duty
Cylindrical Leverset

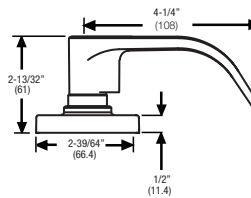
AAL3000 LB6



Finish



AAL3000 LNC



Finish



Lever Style	Series Name	Function Code	Finish Code	Ordering Example
LC2	AAL3000	Entrance - 3	US3	<p>AAL3000 3 LG US5</p> <p>Function Code Lever Style Finish</p> <p>AAL3000 9 LE US11</p>
LH			US5	
LA			US10B	
LG			US11	
LU			US15	
LN		Privacy - 9	US26	
LYE			US26D	
LE				
LP1				
LP3				
LB6				
LNC				

AAL3000 Series Specification

- **Standard** : ANSI Grade 3
- **Testing Cycles** : 200,000 cycles tested
- **Materials** : Zinc die-cast
- **Backset** : 60mm / 70mm
- **Door Thickness** : 35~50mm
- **Cylinder** : Solid brass 6-pin tumbler cylinder

ASSA ABLOY Cylindrical Knobset

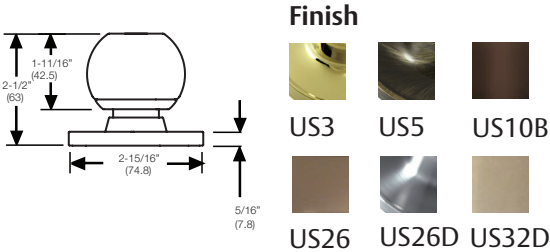
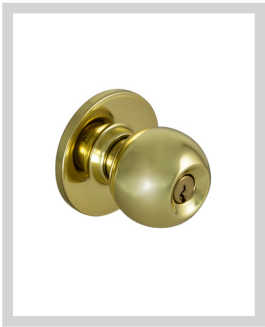
AAL2000 ANSI Grade 2

ASSA ABLOY

AAK2000

ANSI Grade 2
Medium Duty
Cylindrical Knobset

AAK2000



Knob Style	Series Name	Function Code	Finish Code	Ordering Example	
CB	AAK2000	Passage - 1	US3	<div>AAK20009US32D</div> <div>Function Code → Finish</div> <div>AAK2000SUS3</div>	
		Entrance - 3	US5		
		Privacy - 9	US10B		
		Storeroom - S	US26		
			US26D		
		Dummy - D	US32D		

AAK2000 Series Specification

- **Standard** : ANSI Grade 2, 3hours fire rated
- **Testing Cycles** : 400,000 cycles tested
- **Materials** : Zinc die-cast
- **Backset** : 60mm
- **Door Thickness** : 35~50mm
- **Cylinder** : Solid brass 6-pin tumbler cylinder



ASSA ABLOY Cylindrical Knobset

AAK3000 ANSI Grade 3

ASSA ABLOY

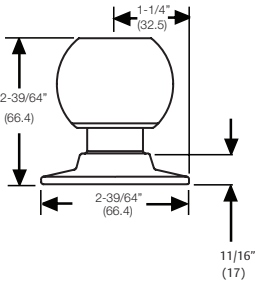
AAK3000

ANSI Grade 3

Light Duty

Cylindrical Knobset

AAK3000



Finish





US3

US5

US11




US15

US32D

Knob Style	Series Name	Function Code	Finish Code	Ordering Example
C	AAK3000	Entrance - 3	US3	<div> <div>AAK3003 US3</div> <div> <div>Function Code</div> <div>Finish</div> </div> <div>AAK3009 US11</div> </div>
			US5	
			US11	
		Privacy - 9	US15	
			US32D	

AAK3000 Series Specification

- **Standard** : ANSI Grade 3
- **Testing Cycles** : 200,000 cycles tested
- **Materials** : Zinc die-cast
- **Backset** : 60mm
- **Door Thickness** : 35~50mm
- **Cylinder** : Solid brass 6-pin tumbler cylinder

ASSA ABLOY Deadbolt

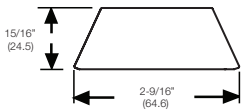
AAD1000 ANSI Grade 1

ASSA ABLOY

AAD1000

ANSI Grade 1
Heavy Duty
Deadbolt

AAD1000 32D



Finish



US10B

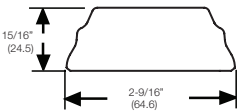
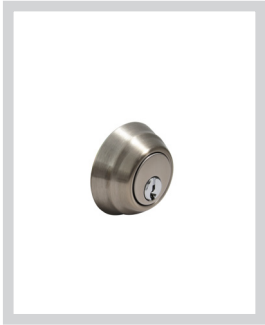
US15



US26D

US32D

AAD1000 15



Finish



US10B

US15



US26D

US32D

Series Name	Function Code	Finish Code	Ordering Example
AAD1000	Single Cylinder = 1	10B	<div> <div> <div>AAD1012 32D</div> <div> <div>Function Code</div> <div>Deadbolt Style</div> </div> </div> <div> <div>AAD1022 15</div> </div> </div>
		15	
	Double Cylinder = 2	26D	
		32D	

AAD1000 Series Specification

- **Standard :** ANSI Grade 1, 3hours fire rated
- **Testing Cycles :** 1,000,000 cycles tested
- **Materials :** Zinc die-cast
- **Backset :** 70mm
- **Door Thickness :** 35~50mm
- **Cylinder :** Solid brass 6-pin tumbler cylinder



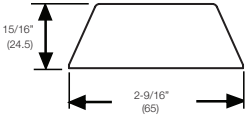
ASSA ABLOY Deadbolt

AAD2000 ANSI Grade 2

AAD2000

ANSI Grade 2
Medium Duty
Deadbolt

AAD2000



Finish




US15
 US26




US26D
 US32D

Series Name	Function Code	Finish Code	Ordering Example
D2000	Single Cylinder = 1	US15	<div> D2012 <div> ↑ <div>Function Code</div> ↓ </div> D2022 </div>
		US26	
	Double Cylinder = 2	US26D	
		US32D	

AAD2000 Series Specification

- **Standard** : ANSI Grade 2, 3 hours fire rated
- **Testing Cycles** : 400,000 cycles tested
- **Materials** : Zinc die-cast
- **Backset** : 60mm / 70mm (adjustable)
- **Door Thickness** : 35~50mm
- **Cylinder** : Solid brass 6-pin tumbler cylinder



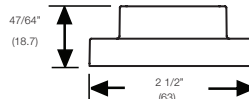
ASSA ABLOY Deadbolt AAD3000 ANSI Grade 3

ASSA ABLOY

AAD3000

ANSI Grade 3
Light Duty Deadbolt

AAD3000



Finish

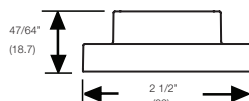
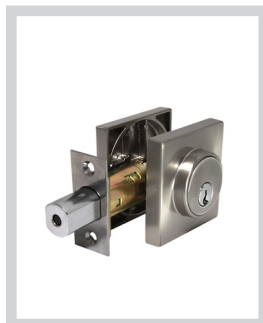


US3 US5



US11 US15

AAD3000



Finish

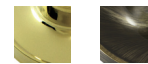
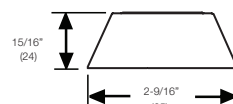
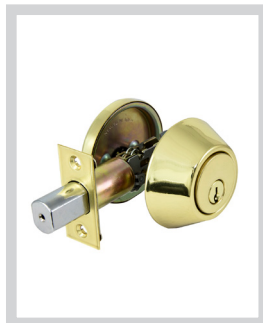


US3 US5



US11 US15

AAD3000



US3 US5



US11 US15

Deadbolt Style	Series Name	Function Code	Finish Code	Ordering Example
DA1	AAD3000	Single Cylinder = 1	US3	<div><div>AAD3012</div><div>DA1 US3</div><div>Function Code</div><div>Deadbolt Style</div><div>Finish</div><div>AAD3022</div><div>DL US15</div></div>
DA2			US5	
DL		Double Cylinder = 2	US11	
			US15	

AAD3000 Series Specification

- **Standard** : ANSI Grade 3
- **Testing Cycles** : 200,000 cycles tested
- **Materials** : Zinc die-cast
- **Backset** : 60mm / 70mm (adjustable)
- **Door Thickness** : 35~50mm
- **Cylinder** : Solid brass 6-pin tumbler cylinder



Panic Exit Device

ASSA ABLOY

The global leader in
door opening solutions

ASSA ABLOY Panic Exit Device

Features & Benefits

Panic Exit Devices AAED400 Series

Key features:

- Surface mounted, rim type
- Slim, neat design
- 500,000 cycles tested
- Fire rated for 3 hours

Benefits:

- Ease of installation
- Superior aesthetics
- High durability
- Suitable for fire rated doors
- External cylinder and lever option available

Standard & Certification

UL 10C and ANSI
A156.3 Grade 1

Technical details:

- Rim type push bar
- Half length, 1045mm as standard
- 304 stainless steel material
- For doors up to 1200 x 2400mm in standard
- Easy installation and adjustment
- Stainless steel or galvanized steel finish
- Compatible accessories
- Standard euro profile cylinder
- UL listed for fire exit hardware up to 3 hours
- Suitable for single leaf and double leaf doors
- With satin chrome external lever trim



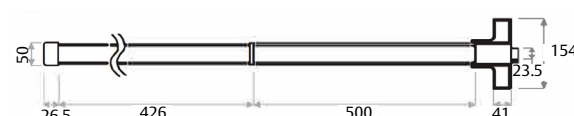
Panic Exit Device - AAED400 Series

ASSA ABLOY

Panic Exit Device AAED401

ASSA ABLOY Exit Device 401:

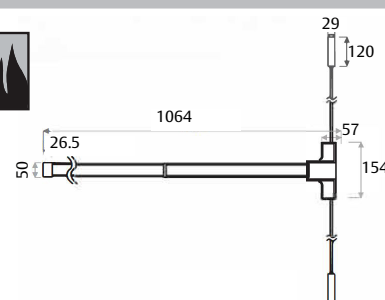
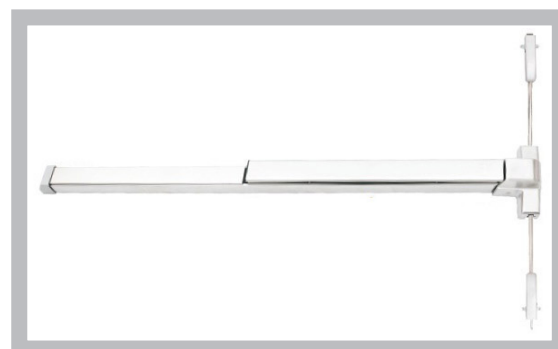
- Panic exit device with central locking point - RIM
- Painted galvanized steel or stainless steel finish
- With AAET411SC external lever trim in satin chrome finish



Panic Exit Device AAED402

ASSA ABLOY Exit Device 402:

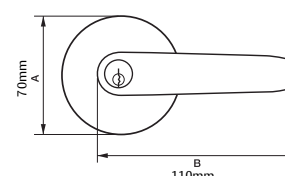
- Panic exit device with double locking points - RIM
- For standard door height 2400mm*
- Option available for 3000mm door height*
- Painted galvanized steel or stainless steel finish
- With AAET411SC external lever trim in satin chrome finish



Panic Exit Trim AAET411SC

ASSA ABLOY Panic Exit Trim 411:

- Panic exit trim in satin chrome finish



How to Order

Code example

AAED401P 2400

Finish Code

S - Stainless Steel
P - Painted

Door height

2400 - 2400mm
3000 - 3000mm

Locking Code

1 = Single-point locking
2 = Double-point locking

ASSA ABLOY Exit Device

Features & Benefits

Exit Devices AA21 Series

Key features:

- Surface mounted
- Slim, neat design, surface mounted
- 500,000 cycles tested
- Fire rated
- Wide range of option
- ANSI/BHMA A156.3 Grade 1
- UL Listed

Benefits:

- Ease of installation
- Superior aesthetics
- High durability
- Suitable for fire rated doors
- Provide a ready means of escape at all times by the single action of pushing on a horizontal bar fitted across the full width of a door

Standard & Certification

UL 10C and ANSI
A156.3 Grade 1

Technical details:

Door Suitability

- For emergency passage doors and anti-fire doors
- Suitable for single and double doors up to 1220mm wide and 2100mm in height (available up to 3000mm upon request)

Material

- Horizontal push bar made of 304 stainless steel
- Latchbolt made of sintering stainless and auxiliary bolt made of die-cast stainless steel
- Lever and trim made of 304 stainless steel
- Strike plate made of die-casting carbon steel with roller to reduce the friction of opening and closing

Latchbolt

- Made of sintering stainless steel

Finish

- 630 Satin Stainless Steel Types
- AA21R- Rim
- AA21V- Vertical
- AA21M-Mortise

Electric Function (For AA21M)

- Fail Safe (FSA)
- Fail Secure (FSE)
- 480mA@12VDC (Standard)
- 240mA@24VDC

Electric Function (For Electric Trim ELEC)

- Fail Safe (FSA)
- Fail Secure (FSE)
- 1200mA@12VDC (Standard)
- 600mA@24VDC



Option

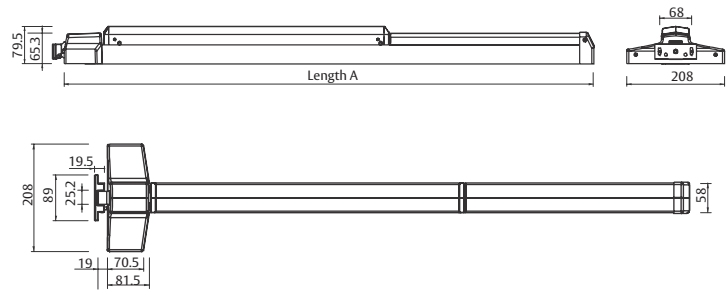
Option

- REX (Request to Exit)-An SPDT switch that monitors activation of the free lever (not available with knob trim). REX is available for all mechanical and electrified functions and can be supplied alone or with either LBM or DBM
- LBM (Latchbolt Monitor)-An SPDT switch that monitors full retraction of the main latch. LBM is available for all mechanical and electrified functions and can be supplied alone or with REX
- DBM (Deadbolt Monitor)-An SPDT switch that monitors full retraction of the deadbolt. DBM is available for all mechanical and electrified functions with a deadbolt and can be supplied alone or with REX

ASSA ABLOY ANSI Exit Device

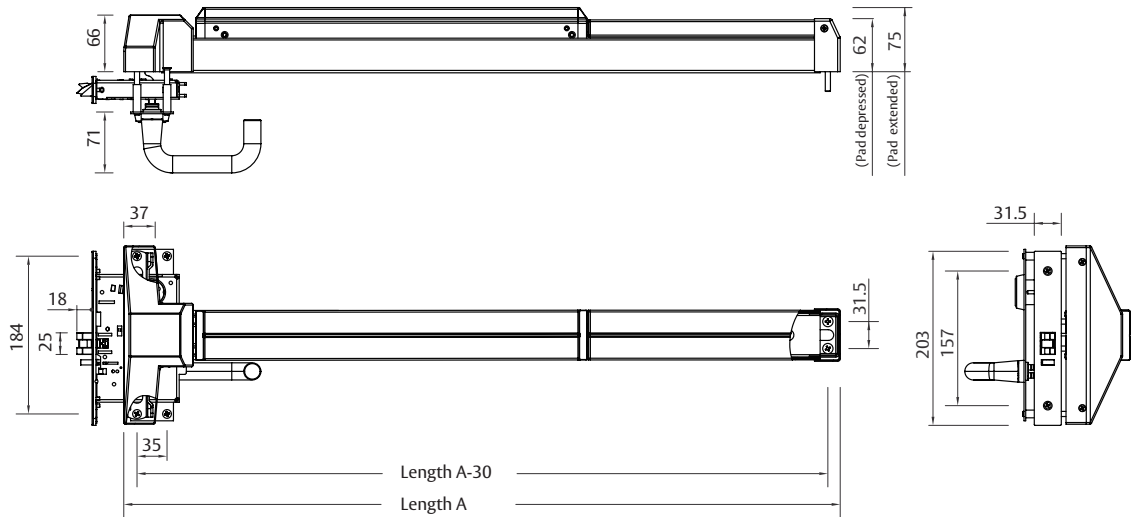
ASSA ABLOY

AA21R

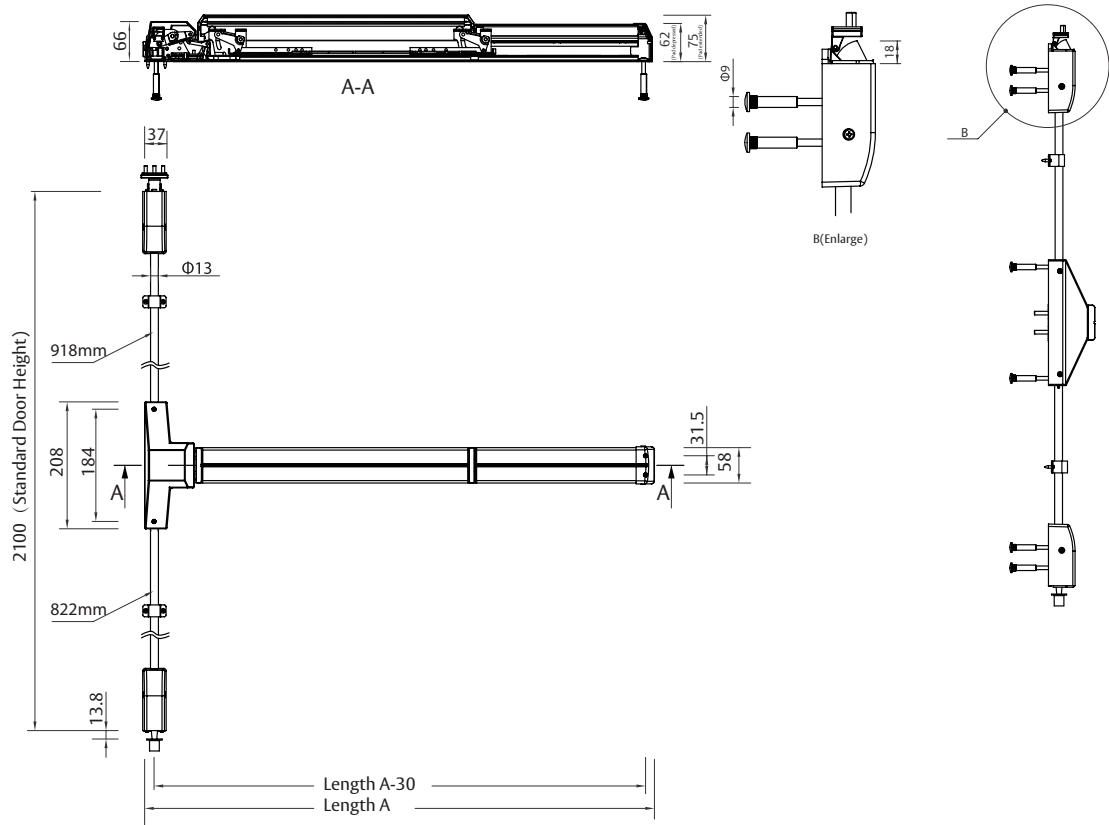


Exit Device Size (inch)	Suitable Door Width (mm)	Length A (mm)
24"	510 - 600	530
30"	610 - 750	683
36"	760 - 910	835
48"	920 - 1200	1130

AA21M

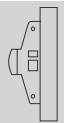
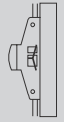





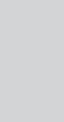





AA21V



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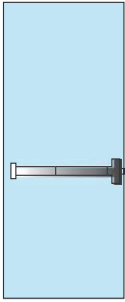
Function	ANSI Function No.	Model No.	Exit Device Type	Description	Inside Outside
Exit	01	AA21R01	Rim Type	<ul style="list-style-type: none"> Exit only No outside operation 	
		AA21V01	Surface Vertical Type		
		AA21M01	Mortise		
Classroom	08	AA21R08	Rim Type	<ul style="list-style-type: none"> Outside lever retracts latchbolt Key locks and unlocks lever 	
		AA21V08	Surface Vertical Type		
	05	AA21M05	Mortise	<ul style="list-style-type: none"> Entrance by knob or lever Key locks and unlocks knobs or lever 	
Night Latch	03	AA21R03	Rim Type	<ul style="list-style-type: none"> Entrance by Trim when latch is released by key Key removable only when locked 	
		AA21M03	Mortise		
		AA21EM-FSA	Electrified Mortise (Fail Safe)		
		AA21EM-FSE	Electrified Mortise (Fail Secure)		
Passage	14	AA21R14	Rim Type	<ul style="list-style-type: none"> Entrance by Trim Exit by pushing bar inside 	
		AA21V14	Surface Vertical Type		
		AA21M14	Mortise		

Remarks:

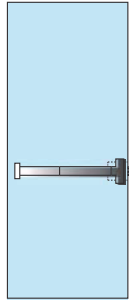
- Electric trims are option for mechanical panic exit device
- Supply cylinder is for door thickness 40-54mm

Typical Door Installation

Single Leaf Door

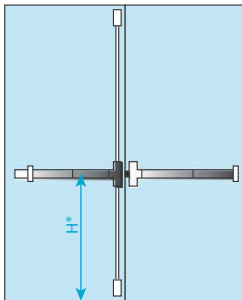


Rim device

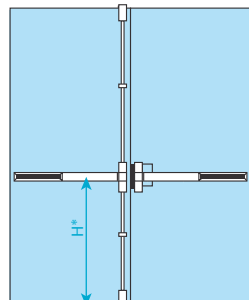


Rim device with mortise

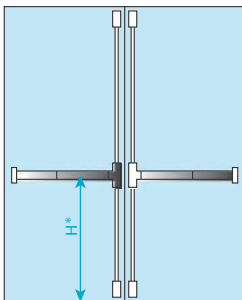
Double Leaf Door



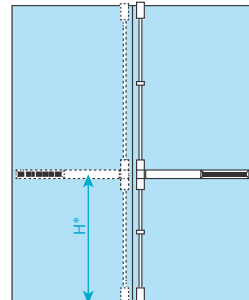
AA21R-D and AA21V
Pair of rebated doors - 1
vertical rod device, 1 Rim
device and 1 double door
strike - same direction



AA21M and AA21V
Mortise lock and surface
mounted vertical rod
device combination -
same direction



AA21V (2 sets)
Pair of non-rebated doors
with 2 vertical devices -
same direction (do not
use with overlapping
astragal)



AA21V (2 sets)
Two vertical rods - double
egress

Remarks

- H* = centerline of chassis and rail
- assembly to finished floor 1014mm for standard application
- Device for door height 2100mm, but available up to 3000mm upon request

How to order : PED

Model No.	Push Bar Length	Door Handing	Monitor (option)	Finish	Trim & Cylinder (Option)	
Example: AA21R01	24	LHR	REX	630	Trim	Cylinder
AA21R01						
AA21V01						
AA21M01						
AA21R08						
AA21V08						
AA21M05	24 24"	LHR	REX			
AA21R03	30 30"	(Left Hand	LBM			
AA21M03		- Reverse)	DPS**	630	See 'How to	See 'How to
AA21EM-FSA	36 36"			Satin Stain-	order: Trims	order: Trims
AA21EM-FSE	48 48"	RHR	ALA	less Steel	and cylinder'	and cylinder'
AA21R14		(Right Hand				
AA21V14		- Reverse)				
AA21M14						
AA21R-D*						

* AA21R-D is AA21R device with double strike for double leaf door.

** DPS is only for AA21EM

- Device for door height 2100mm, but available up to 300mm upon request.
- Device installed at centerline of chassis and rail assembly to finished floor 1014mm for standard application.

How to order : Trims and Cylinder

Escutcheon	Lever	Cylinder (Option)	Finish
Example: LEN	H01		630
LEN for R and V (Passage function)	H01	CY32R*	
LEC – R for R and V (Classroom function)	H02	CY32Q	
LEC – M f or Mortise and Electrified Mortise	H03	CY32E	630 Satin Stainless Steel
ELEC – FSA E lectrical function (Fail Safe) for R and V	H04		
ELEC – FSE E lectrical function (Fail Secure) for R and V	H05	CY32T	

*CY32R is rim cylinder for outside of rim and surface vertical exit device

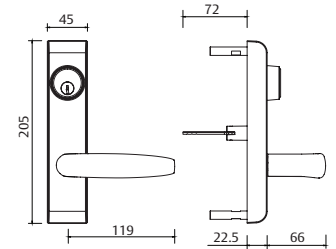
ASSA ABLOY ANSI Exit Device

ASSA ABLOY

LEC-R

Model No.: LEC - R

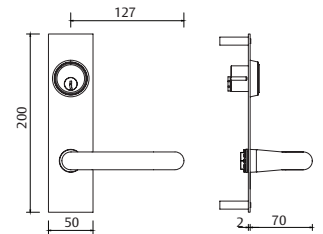
- For AA21R, AA21V Classroom function
- ANSI Cylinder CY32Q
- Lever H01-H05



LEC-M

Model No.: LEC - M

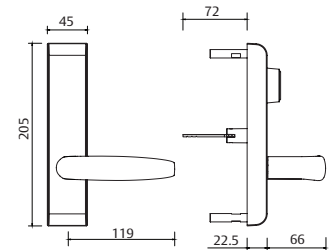
- For device with electrified Mortise
- ANSI Cylinder CY32E
- Lever H01-H05



LEN

Model No.: LEN

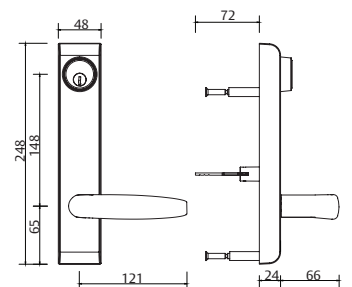
- For Passage function
- Lever H01-H05



ELEC-FSA

Model No.: ELEC-FSA

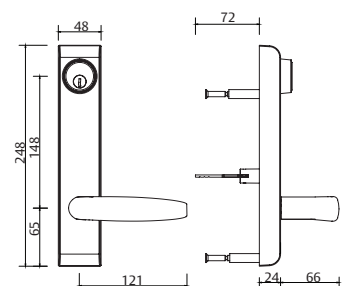
- For AA21R, AA21V desive with electrified Mortise (Fail Safe)
- ANSI Cylinder CY32T
- Lever H01-H05



ELEC-FSE

Model No.: ELEC-FSE

- For AA21R, AA21V desive with electrified Mortise (Fail Secure)
- ANSI Cylinder CY32T
- Lever H01-H05

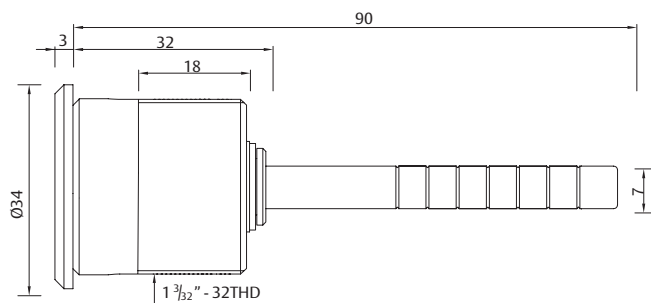


ASSA ABLOY ANSI Exit Device

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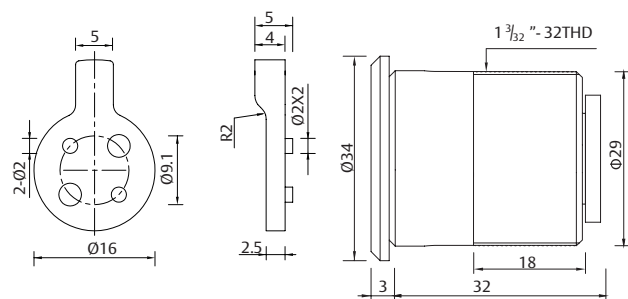
CY-32R

Model No.: CY32R - 630
Finish: 630 Satin Stainless Steel
Trims: LEN
Device: Rim & Vertical
Passage function



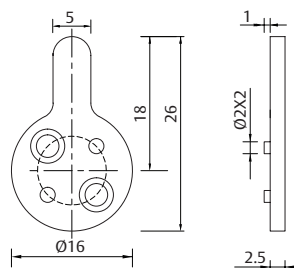
CYR-32Q

Model No.: CY32Q - 630
Finish: 630 Satin Stainless Steel
Trims: LEC-R
Device: Rim & Vertical
Classroom function



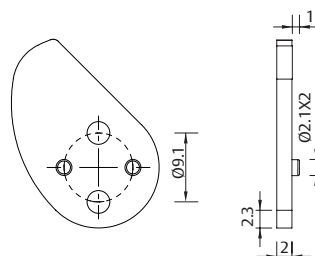
CY-32E

Model No.: CY32E - 630
Finish: 630 Satin Stainless Steel
Trims: LEC-M
Device: Mortise and Electrified Mortise



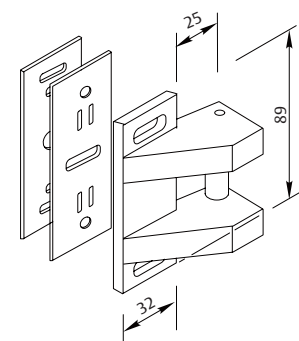
CYR-32T

Model No.: CY32T - 630
Finish: 630 Satin Stainless Steel
Trims: ELEC-FSA, ELEC-FSE
Device: Rim & Vertical
Electrical function
(Fail Safe / Fail Secure)



STRIKE

Model No.: Double Strike
Finish: 630 Satin Stainless Steel
Device: For AA21 R-D



ASSA ABLOY ANSI Exit Device

ASSA ABLOY

Lever Design

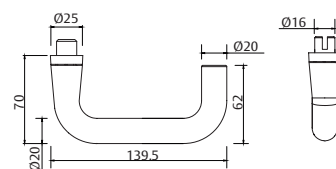
H01

Model No. : H01

Material : 304 Stainless Steel

Construction : Hollow

Finish : 630 Satin Stainless Steel



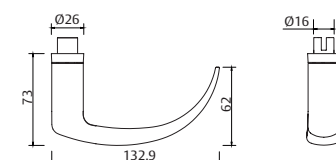
H02

Model No. : H02

Material : 304 Stainless Steel

Construction : Solid

Finish : 630 Satin Stainless Steel



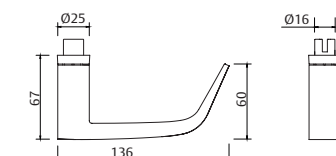
H03

Model No. : H03

Material : 304 Stainless Steel

Construction : Solid

Finish : 630 Satin Stainless Steel



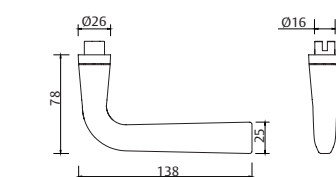
H04

Model No. : H04

Material : 304 Stainless Steel

Construction : Hollow

Finish : 630 Satin Stainless Steel



H05

Model No. : H05

Material : 304 Stainless Steel

Construction : Hollow

Finish : 630 Satin Stainless Steel





Door Closer

ASSA ABLOY

The global leader in
door opening solutions

ASSA ABLOY Door Closers

Features & Benefits

ASSA ABLOY

Door Closer

Key features:

- Non-handed system
- Fire rated options

Benefits:

- Versatile usage
- High durability

Standard & Certification

EN1154
EN1155
CE Marked

Technical details:

- Adjustable power sizes
- Suitable for wood, glass, metal and fire rated doors
- Available finishes - Silver, customized finishes available on request
- Additional accessories: Smoke detector, fire alarm, fire indication
- All ASSA ABLOY door closers come with optional parallel arm

Closer Selection Chart:

Door width (mm)	Max door weight (kg)	Closer size
<750	20kg	1
850	40kg	2
950	60kg	3
1100	80kg	4
1250	100kg	5
1400	120kg	6
1600	160kg	7

*All dimensions are in mm



Cam Motion® for optimum convenience in opening doors

Cam Motion® for optimum convenience in opening doors

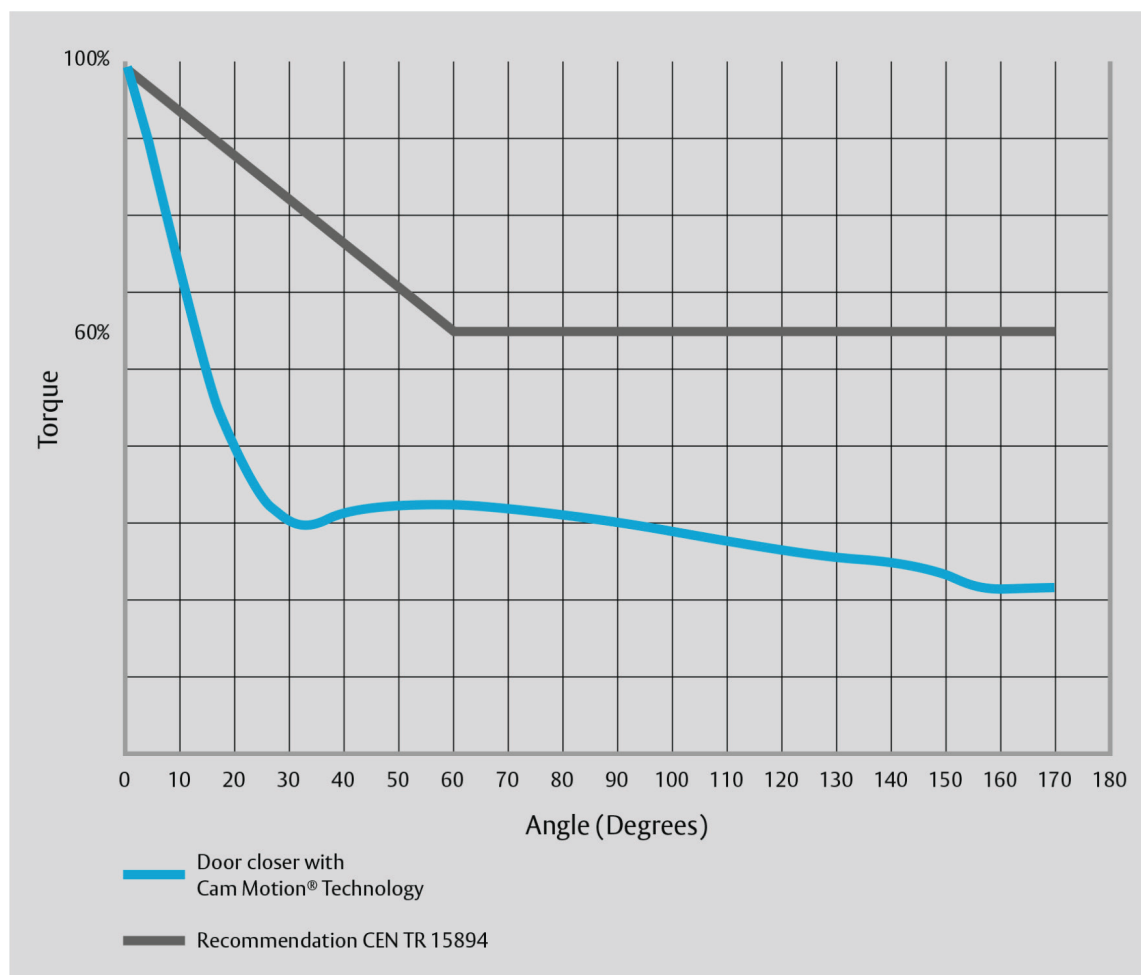
Cam Motion® Technology:

ASSA ABLOY Cam Motion® technology enables guide rail door closers to comply with CEN TR 15894 requirements.

Safe in an emergency:

You'll be on the safe side with ASSA ABLOY since our door closers meet national and international provisions and regulations. Smoke protection and fire doors may only be fitted with door closer systems complying with EN1154/EN1155/EN1158. ASSA ABLOY supplies approved door closer systems for single and double leaf smoke and fire doors with different usage requirements.

Rapidly decreasing torque in a Cam Motion® Door Closer from ASSA ABLOY



ASSA ABLOY Door Closers

use state-of-the-art technology

ASSA ABLOY

Door Closer - Overview of functions

	DC110	DC115	DC120	DC125	DC135	DC200	DC300
Type	Surface Mounted	Surface Mounted	Surface Mounted	Surface Mounted	Surface Mounted	Surface Mounted	Surface Mounted
Sizes	EN3	2/3/4	EN2/3/4	4, fixed	EN3, fixed	EN2-4	EN3-6
Recommended door max. width (mm)	950	850-1100	850-1100	1100	950	850-1100	950-1400
Door swing directions	Non-handed	Non-handed	Non-handed	Non-handed	Non-handed	Non-handed	Non-handed
Closing speed	Variable between 180°-15°	Variable between 180°-15°	Variable between 180°-15°	Variable between 180°-15°	Variable between 180°-15°	Variable between 180°-15°	Variable between 180°-15°
Latching speed	Variable between 15°-0°	Variable between 15°-0°	Variable between 15°-0°	Variable between 15°-0°	Variable between 15°-0°	Variable between 15°-0°	Variable between 15°-0°
Back-check	-	-	Variable above 75°	-	Variable above 75°	Variable above 75°	Variable above 75°
Delayed action	-	-	-	-	-	-	O
Fire doors (CE/UL)	✓	UL	✓	UL	CE	CE	CE
Dimension L x D x H (mm)	182 x 60 x 41	183 x 67 x 44.5	220 x 47 x 52	223 x 67 x 45	233 x 43 x 60	223 x 47 x 60	260 x 47 x 60

	DC300 Tandem	DC500	DC700	DC703	DC800	DC901	DC860
Type	Surface Mounted	Surface Mounted	Surface Mounted	Concealed	Concealed	Concealed	Concealed
EN Size	EN>7(2 X DC300)	EN1-4	EN3-6	EN3	EN3 and EN4	EN2-4	EN1-5
Recommended door max. width (mm)	1800	750 -1100	950 -1400	950	950 & 1100	850 -1100	750 -1250
Door swing directions	Non-handed	Non-handed	Non-handed	Non-handed	Non-handed	Non-handed	Non-handed
Closing speed	Variable between 180°-15°	Variable between 170°-15°	Variable between 170°-15°	Variable between 120°-15°	Variable between 115°-15°	Variable between 120°-15°	Variable between 120°-7°
Latching speed	Variable between 15°-0°	Variable between 15°-0°	Variable between 15°-0°	Variable between 15°-0°	Variable between 15°-0°	Variable between 15°-0°	Variable between 7°-0°
Back-check	-	Variable above 75°	Variable above 75°	Variable above 75°	Variable above 75°	Variable above 75°	Variable above 75°
Delayed action	-	-	O	-	-	-	-
Fire doors (CE/UL)	CE	CE	CE	CE	-	-	CE
Dimension L x D x H (mm)	260 x 52 x 125	270 x 57 x 64	270 x 57 x 64	215 x 32 x 54	200 x 32 x 54	236 x 36 x 59	290 x 40 x 54

Door Closer - Surface Mounted DC110

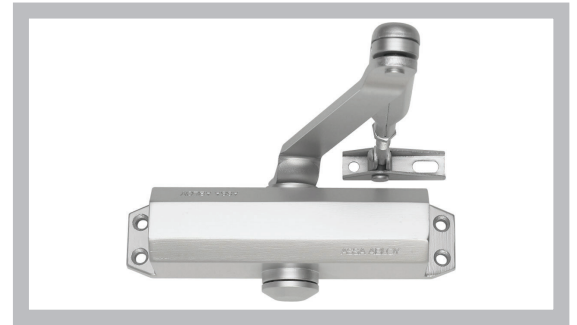
ASSA ABLOY

Door Closer

DC110

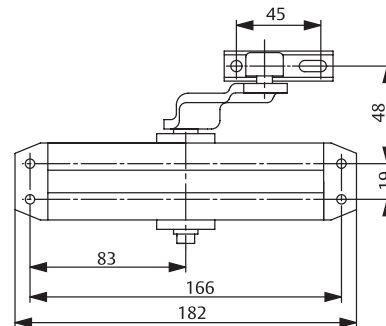
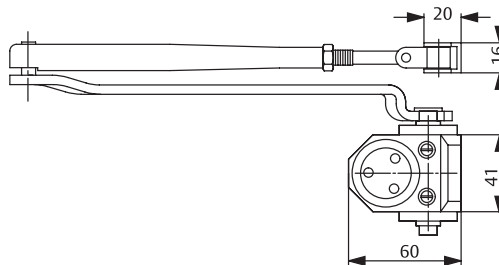
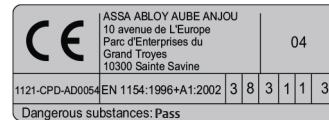
ASSA ABLOY DC110:

- Rack and Pinion door closer with link arm
- In compliance with EN1154, size EN3
- For single action doors up to 950mm



Characteristics of DC110:

- Can be used for left and right-handed doors
- Suitable for fire and smoke protection doors
- Closing and latching speed adjustable via regulating valves
- Thermodynamic valves for consistent performance
- Standard colour: Silver



Door Closer

Technical details for DC110

Technical details:

Closing force	EN3
Door width up to	950mm
Fire and smoke protection	Yes
Door swing directions	Left / right handed
Closing speed	Variable between 180° - 15°
Latching speed	Variable between 15° - 0°
Weight	1.5kg
Height	41mm
Depth	60mm
Length	182mm
In compliance with	EN1154
CE marking for building products	Yes

Our service for you:

Here you can see the individual advantages of our door closer models for your respective fields of business.

The advantages at a glance:

Customer segment	Advantages
Project planners	<ul style="list-style-type: none"> - Compact design - Favourably priced, reliable closer model
Builders	<ul style="list-style-type: none"> - Quick and easy installation - Suitable for left and right-handed doors - Easy to adjust
Trade	<ul style="list-style-type: none"> - Inexpensive closer model for standard doors - All inclusive package with door closer and link arm
User	<ul style="list-style-type: none"> - Largely unaffected by temperature fluctuations due to thermodynamic valves - Back-check feature offers optimum protection for doors and walls

Door Closer

Specifications for DC110

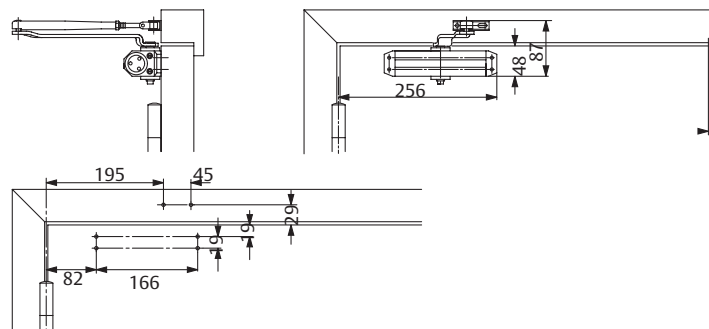
Specifications for DC110:

ASSA ABLOY Door Closer DC110 featuring Rack and Pinion technology is in compliance with EN1154.

- Closing force size EN3, for doors up to 950mm wide
- Closing speed and latching speed continuously adjustable
- Suitable for fire and smoke protection doors
- CE approved
- Suitable for left and right-handed doors

Required space on doors:

Left handed shown in diagram, Right handed is the reverse.



Installation dimensions:

Installation dimensions EN3

Colour:

- ☐ Silver EV1
- ☐ White, similar to RAL9016
- ☐ Black, similar to RAL9005

Door Closer - Surface Mounted DC115

ASSA ABLOY

Door Closer

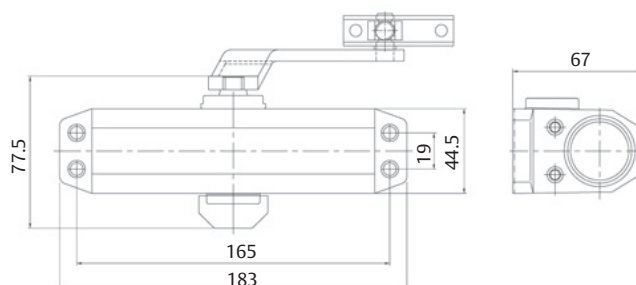
DC115

ASSA ABLOY DC115:

- Rack and Pinion door closer with link arm
- In compliance with UL10C, size 2/3/4
- For single action doors up to 1100mm

Characteristics of DC115:

- Can be used for left and right-handed doors
- Suitable for fire and smoke protection doors
- Closing and latching speed adjustable via regulating valves
- Thermodynamic valves for consistent performance
- Standard colour: Silver



Door Closer

Technical details for DC115

Technical details:

Closing force	Size 2/3/4
Door width up to	850mm - 1100mm
Fire and smoke protection	Yes
Door swing directions	Non-handed
Closing speed	Variable between 180°-15°
Latching speed	Variable between 15°-0°
Backcheck	No
Height	44.5mm
Depth	67mm
Length	183mm
In compliance with	UL10C, up to 3 hours fire rated

All dimensions are in mm

Door Closer - Surface Mounted DC120

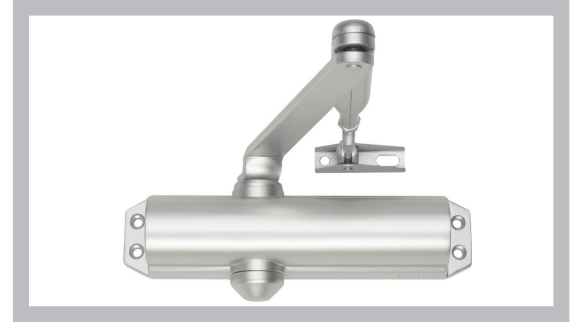
ASSA ABLOY

Door Closer

DC120

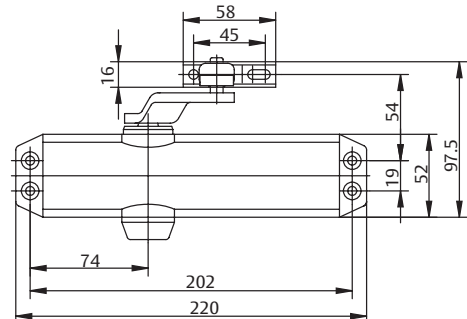
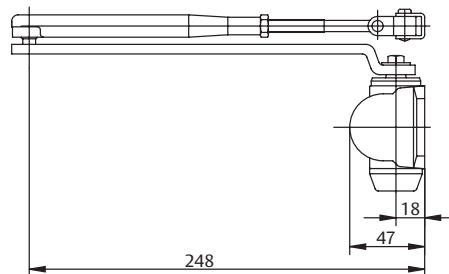
ASSA ABLOY DC120:

- Rack and Pinion door closer with link arm
- In compliance with EN1154, size EN2/3/4
- For single action doors up to 1100mm



Characteristics of DC120:

- Can be used for left and right-handed doors
- Suitable for fire and smoke protection doors
- Closing speed, latching speed and back-check continuously adjustable using regulating valves
- Thermodynamic valves for consistent performance
- Closing force configurable
- Opening angle up to 180° (105° in mounting position size EN4)
- Standard colour: Silver



Door Closer

Technical details for DC120

Technical details:

Closing force	EN2/3/4
Door width up to	1100mm
Fire and smoke protection	Yes
Door swing directions	Left / right handed
Closing speed	Variable between 180°-15°
Latching speed	Variable between 15°-0°
Back-check	Variable above 75°
Weight	1.6kg
Height	52mm
Depth	47mm
Length	220mm
In compliance with	EN1154
CE marking for building products	Yes

Our service for you:

Here you can see the individual advantages of our door closer models for your respective fields of business.

The advantages at a glance:

Customer segment	Advantages
Project planners	<ul style="list-style-type: none"> - Compact design - Favourably priced, reliable closer model
Builders	<ul style="list-style-type: none"> - Quick and easy installation - Suitable for left and right-handed doors - Easy to adjust
Trade	<ul style="list-style-type: none"> - Inexpensive closer model for standard doors - All inclusive package with door closer and link arm
User	<ul style="list-style-type: none"> - Largely unaffected by temperature fluctuation due to thermodynamic valves - Back-check feature offers optimum protection for doors and walls

Door Closer

Specifications for DC120

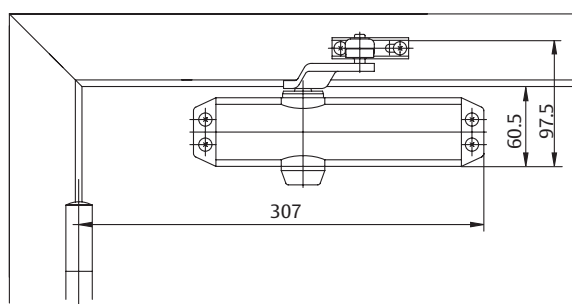
Specifications for DC120:

ASSA ABLOY Door Closer DC120 featuring Rack and Pinion technology is in compliance with EN1154.

- Closing force configurable, size EN 2/3/4, for doors up to 1100mm wide
- Closing speed, latching speed and back-check continuously adjustable
- Suitable for fire and smoke protection doors
- CE approved
- Suitable for left and right-handed doors

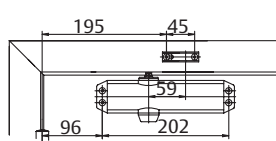
Required space on doors:

Left handed shown in diagram, Right handed is the reverse.

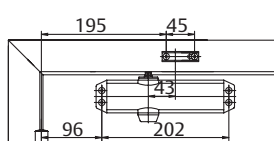


Colour:

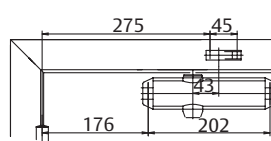
- ☐ Silver EV1
- ☐ White, similar to RAL9016
- ☐ Black, similar to RAL9005



Installation dimensions EN2



Installation dimensions EN3



Installation dimensions EN4

Door Closer - Surface Mounted DC125

ASSA ABLOY

Door Closer

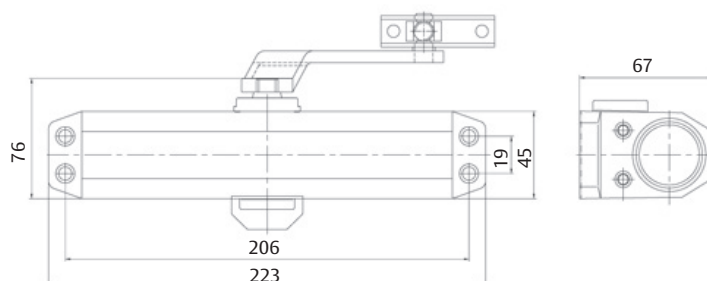
DC125

ASSA ABLOY DC125:

- Rack and Pinion door closer with link arm
- In compliance with UL10C, size 4, fixed
- For single action doors up to 1100mm

Characteristics of DC125:

- Can be used for left and right-handed doors
- Suitable for fire and smoke protection doors
- Closing speed, latching speed adjustable using regulating valves
- Thermodynamic valves for consistent performance
- Standard colour: Silver



Door Closer

Technical details for DC125

Technical details:

Closing force	Size 4, fixed
Door width up to	1100mm
Fire and smoke protection	Yes
Door swing directions	Non-handed
Closing speed	Variable between 180°-15°
Latching speed	Variable between 15°-0°
Back-check	No
Height	45mm
Depth	67mm
Length	223mm
In compliance with	UL10C, up to 3 hours fire rated

All dimensions are in mm

Door Closer - Surface Mounted DC135

ASSA ABLOY

Door Closer

DC135

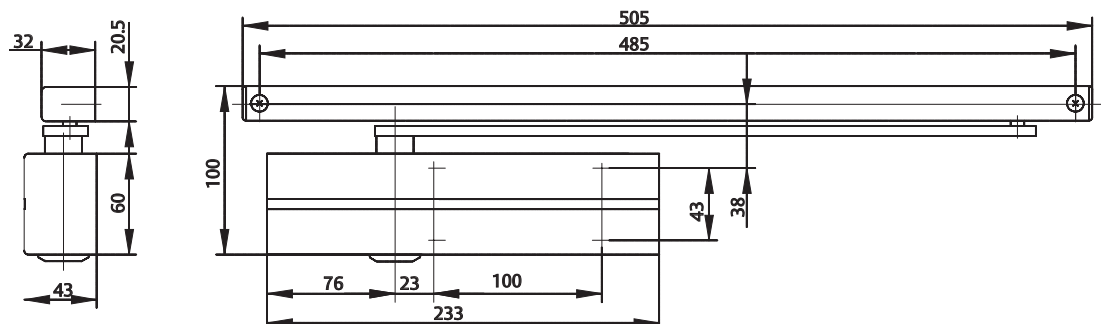
ASSA ABLOY DC135:

- Rack and Pinion door closer with guide rail
- In compliance with EN1154, size EN3
- For single action doors up to 950mm



Characteristics of DC135:

- Can be used for left and right-handed doors
- Opening angle up to 180°
- Closing speed, latching speed and back-check continuously adjustable using regulating valves
- Thermodynamic valves for consistent performance
- Standard colour: Silver



Door Closer

Technical details for DC135

Technical details:

Closing force	EN3
Door width up to	950mm
Fire and smoke protection	Yes
Door swing directions	Left / right handed
Closing speed	Variable between 180°-15°
Latching speed	Variable between 15°-0°
Back-check	Variable above 75°
Height	60mm
Depth	43mm
Length	233mm
In compliance	EN1154
CE marking for building products	Yes

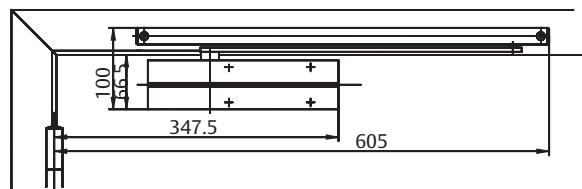
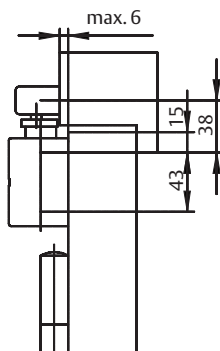
All dimensions are in mm

Door Closer

Specifications for DC135

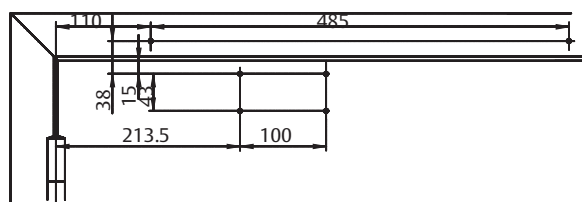
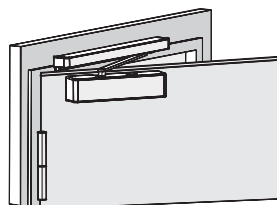
Required space on doors:

Left handed shown in diagram,
Right handed is the reverse.



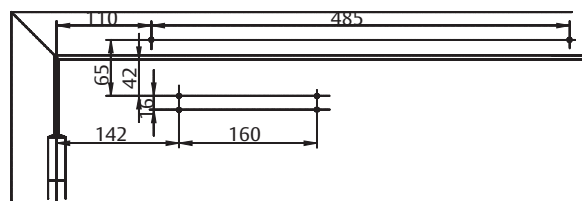
Installation dimensions for direct standard mounting on hinge side:

Left handed shown in diagram,
Right handed is the reverse.



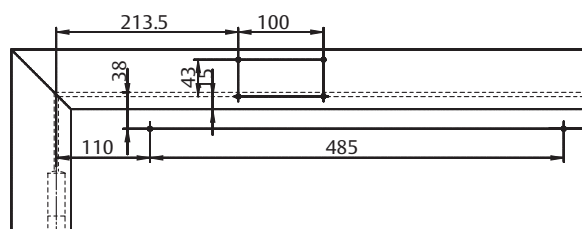
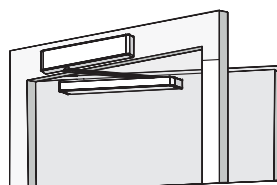
Installation dimensions for direct standard mounting on hinge side:

Left handed shown in diagram,
Right handed is the reverse.



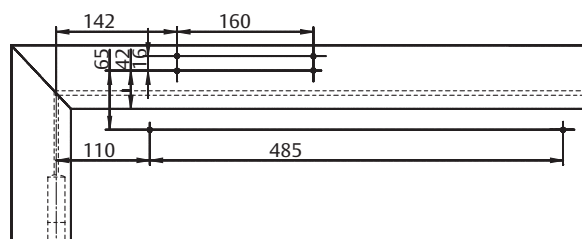
Installation dimensions when mounted directly on to the frame non-hinge side:

Left handed shown in diagram,
Right handed is the reverse.



Installation dimensions with mounting plate for frame mounting non-hinge side:

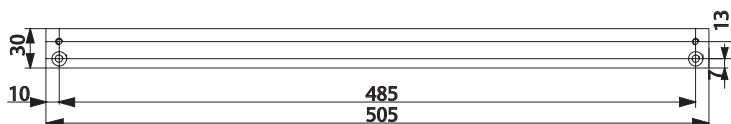
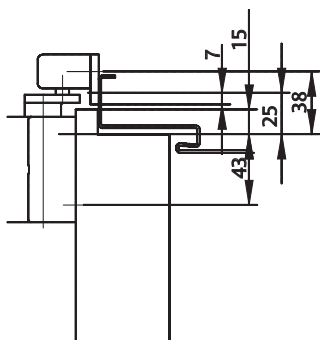
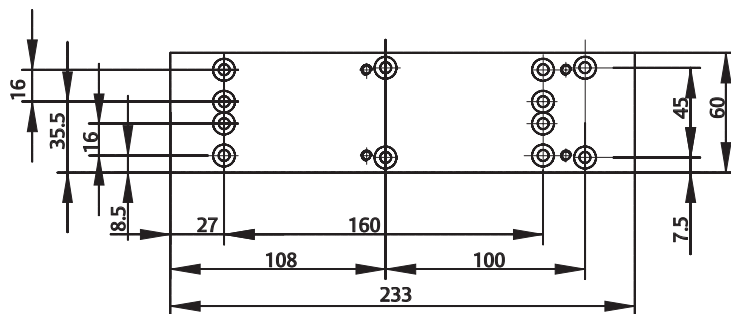
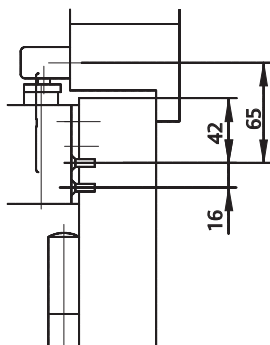
Left handed shown in diagram,
Right handed is the reverse.



Door Closer

Accessories and
order placement
information for
DC135

Mounting Plate A187:



Hold open device A152:

- Mechanical hold-open device for doors which sometimes need to be secured in the open position
- Simple fitting into guide rails
- Hold open angle max. 130°
- Adjustable hold open force
- Not approved for use on fire and smoke protection doors



Opening damper A153:

- Helps to prevent the door and door handle from hitting a return wall
- Simple fitting into guide rail
- Opening damper continuously adjustable up to an opening angle of max. 130°
- Does not replace door stop



Door Closer - Surface Mounted DC200

ASSA ABLOY

Door Closer

DC200

ASSA ABLOY DC200:

- Rack and Pinion door closer with link arm L190
- In compliance with EN1154, size 2-4
- For single action doors up to 1100mm wide
- Suitable for fire and smoke protection doors



Characteristics of DC200:

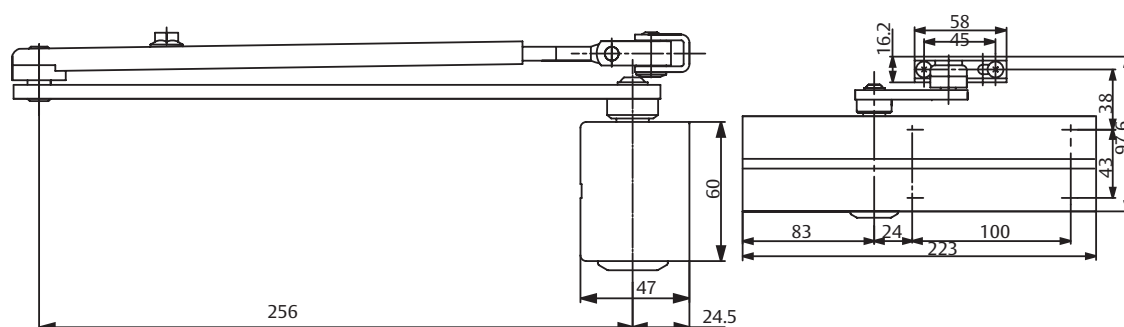
- Can be used with integrated concealed mounting plate, suitable for fire and smoke protection doors
- Can be used for left and right-handed doors
- Link arm height-adjustable up to 14mm
- Closing speed, latching speed and back-check adjustable via front facing regulating valves
- Thermodynamic valves for consistent performance
- Adjustable closing force
- Opening angle up to 180°
- Effective back-check and latching speed range adjustable
- Large range of applications
- Standard colour: Silver
- Customized finishes available on request

CE	ASSA ABLOY Sicherheitstechnik GmbH Bildstockstraße 20 72458 Albstadt			10			
	1162-CPD-0484	EN 1154:1996+A1:2002	4	8	4	1	4
Dangerous substances: None							



Characteristics for hold open link arm L191:

- Hold-open angle adjustable up to 150°
- Hold-open mode can be enabled and disabled as required
- Same installation as link arm
- Cannot be used with fire and smoke protection doors



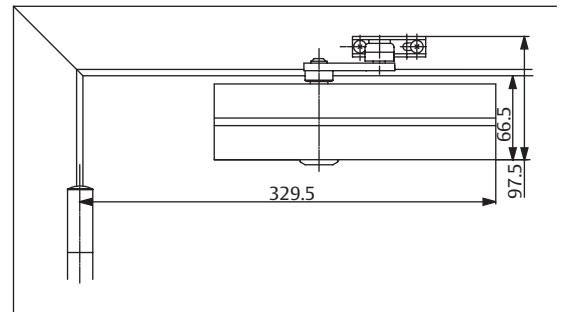
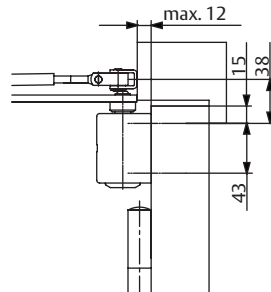
All dimensions are in mm

Door Closer

Dimensional drawings for DC200

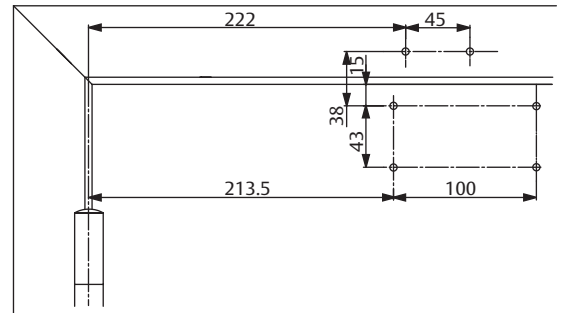
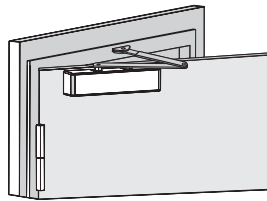
Required space on doors:

Left handed shown in diagram, Right handed is the reverse.



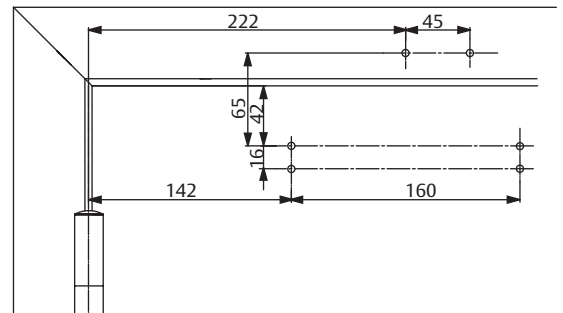
Installation dimensions for direct mounting:

Left handed shown in diagram, Right handed is the reverse.



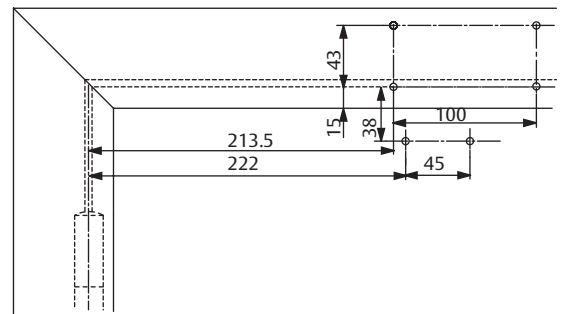
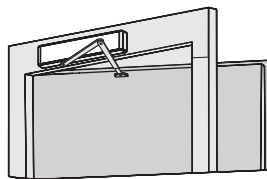
Installation dimensions with mounting plate:

In compliance with EN1154, Supplement 1, or for doors where direct mounting is not possible. Left handed shown in diagram, Right handed is the reverse.



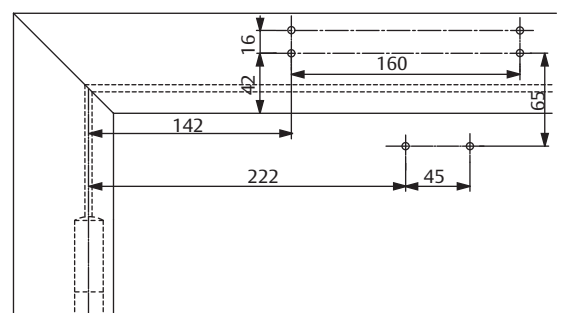
Frame mounting:

Closer on non-hinge side of door frame. Right handed door shown in diagram. Left handed door is the reverse.



Installation dimensions with mounting plate for frame mounting:

Closer on non-hinge side of door frame. For doors where direct mounting is not possible. Right handed door shown in diagram. Left handed door is the reverse.

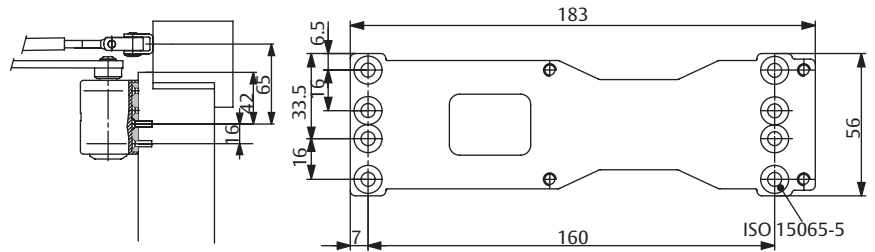


Door Closer

Accessories for DC200

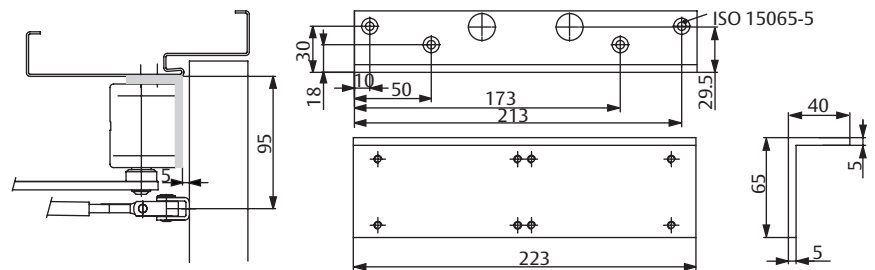
Mounting plate A120:

For mounting with drilling template according to EN1154 Supplement 1 (fire and smoke protection doors) and for universal use.



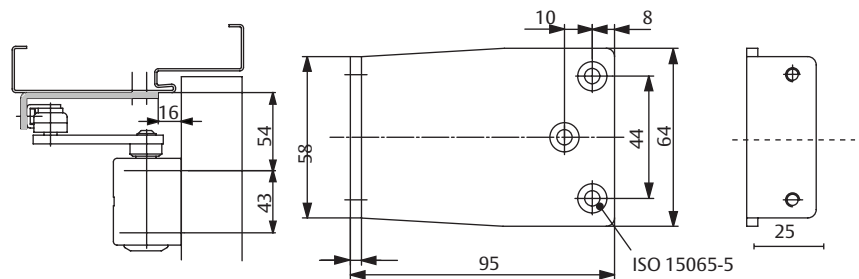
Angle bracket A122:

For frame mounting in case of deep jamb, headroom reduced by 70mm. Check suitability for use on fire and smoke protection doors.



Parallel arm bracket A154:

For frame mounting in case of deep jamb, headroom reduced by 70mm. Check suitability for use on fire and smoke protection doors.



Door Closer - Surface Mounted DC300

ASSA ABLOY

Door Closer

DC300

ASSA ABLOY DC300:

- Rack and Pinion door closer with link arm L190
- In compliance with EN1154, size EN3-6
- For single action doors up to 1400mm wide
- Suitable for fire and smoke protection doors



Characteristics of DC300:

- Can be used with integrated concealed mounting plate, suitable for fire and smoke protection doors
- Can be used for left and right-handed doors
- Link arm height-adjustable up to 14mm
- Closing speed, latching speed and back-check adjustable via front facing regulating valves
- Thermodynamic valves for consistent performance
- Adjustable closing force
- Opening angle up to 180°
- Effective back-check and latching speed range adjustable
- Large range of applications
- Standard colour: Silver
- Customized finishes available on request

CE	ASSA ABLOY Sicherheitstechnik GmbH Bildstockstraße 20 72458 Albstadt		10			
	1162-CPD-0485	EN 1154:1996+A1:2002	4	8	6 3	1 1 4
Dangerous substances: None						

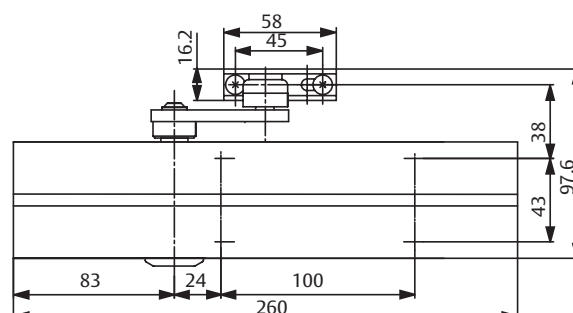
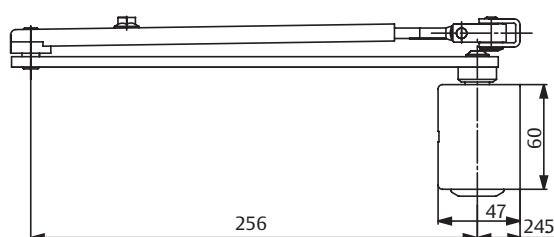


Characteristics for hold open link arm L191:

- Hold-open angle adjustable up to 150°
- Hold-open mode can be enabled and disabled as required
- Same installation as link arm
- Cannot be used with fire and smoke protection doors

Characteristics for special model DC300DA:

- Delayed closing adjustable from front
- Other features as in Model DC300



All dimensions are in mm

Our service for you:

Here you can see the individual advantages of our door closer models for your respective fields of business.

Technical details:

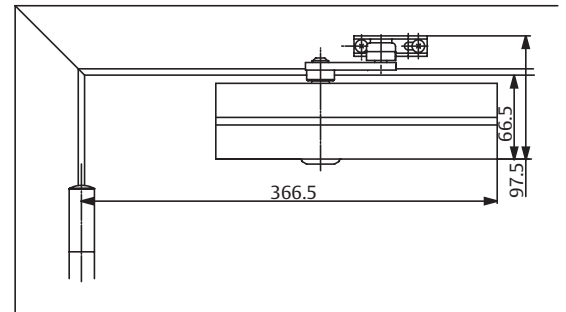
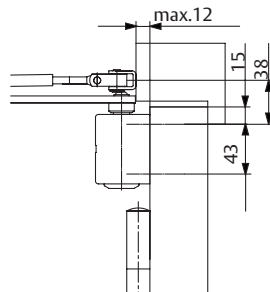
Closing force	Size EN3-6
Door width up to	1400mm
Fire and smoke protection	Yes
Door swing directions	Left / right handed
Closing speed	Variable between 180°-15°
Latching speed	Variable between 15°-0°
Back-check	Variable above 75°
Delayed closing (DC300DA)	Yes
Hold-open mode (with hold-open link arm L191)	Adjustable 75°-150°, can be enabled and disabled
Height	60mm
Depth	47mm
Length	260mm
In compliance with	EN1154
CE marking for building products	Yes

Door Closer

Dimensional drawings for DC300

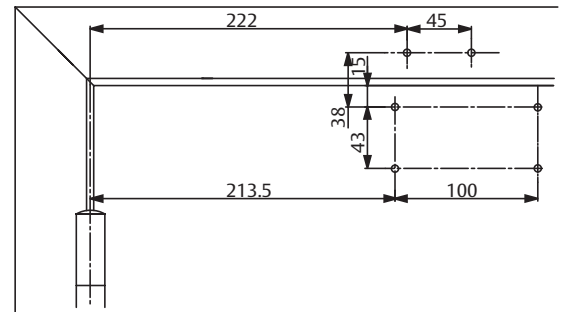
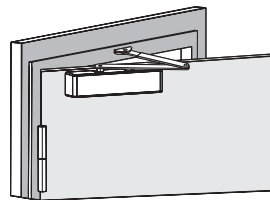
Required space on doors:

Left handed shown in diagram,
Right handed is the reverse.



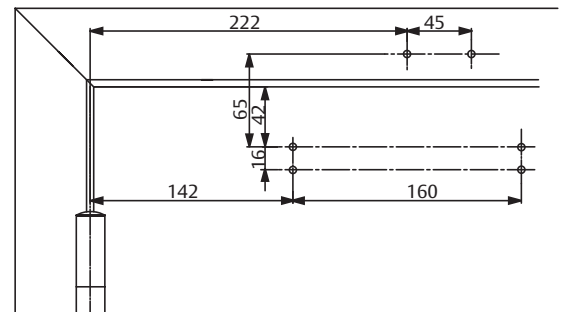
Installation dimensions for direct mounting:

Left handed shown in diagram,
Right handed is the reverse.



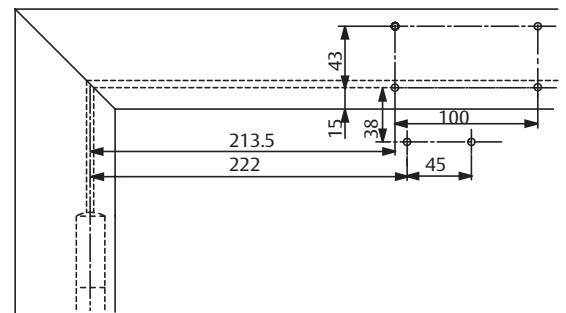
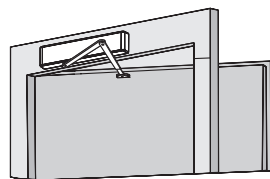
Installation dimensions with mounting plate:

In compliance with EN1154, Supplement 1, or for doors where direct mounting is not possible. Left handed shown in diagram,
Right handed is the reverse.



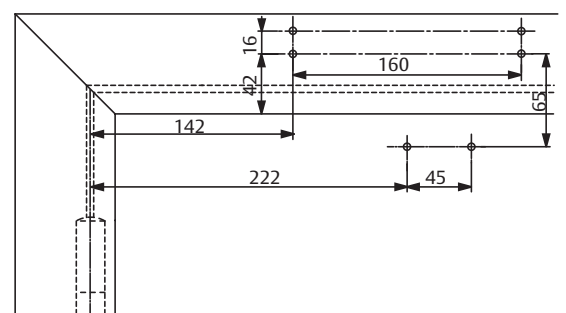
Frame mounting:

Closer on non-hinge side of door frame right handed door shown in diagram,
Left handed door is the reverse.



Installation dimensions with mounting plate for frame mounting:

Closer on non-hinge side of door frame. For doors where direct mounting is not possible. Right-handed door shown in diagram.
Left-handed door is the reverse.

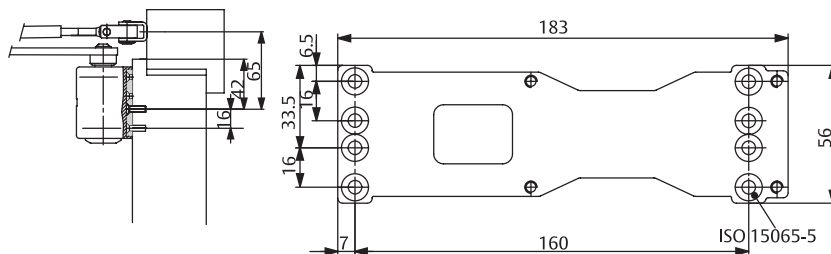


Door Closer

Accessories for DC300

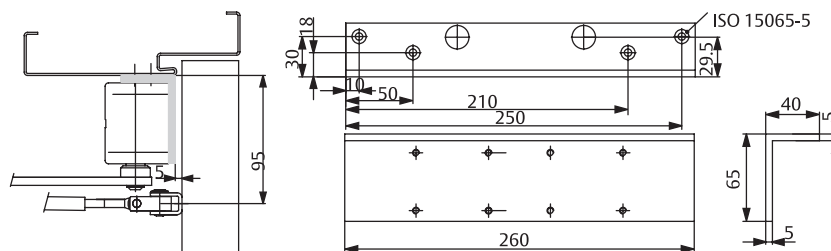
Mounting plate A120:

For mounting with drilling template according to EN1154 Supplement 1 (fire and smoke protection doors) and for universal use.



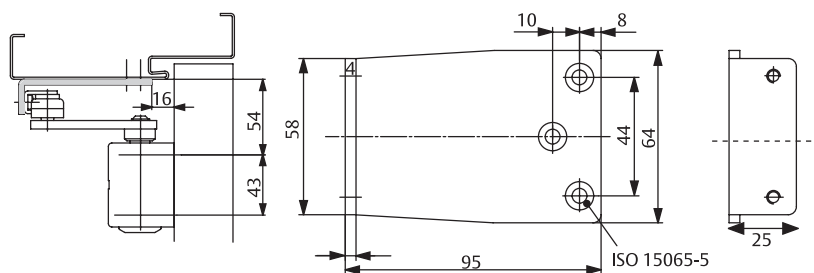
Angle bracket A123:

For frame mounting in case of deep jamb, headroom reduced by 70 mm. Check suitability for use on fire and smoke protection doors.



Parallel arm bracket A154:

For parallel arm installation. Check suitability for use on fire and smoke protection doors.



Door Closer - Surface Mounted DC300 Tandem

ASSA ABLOY

Door Closer

DC300 Tandem

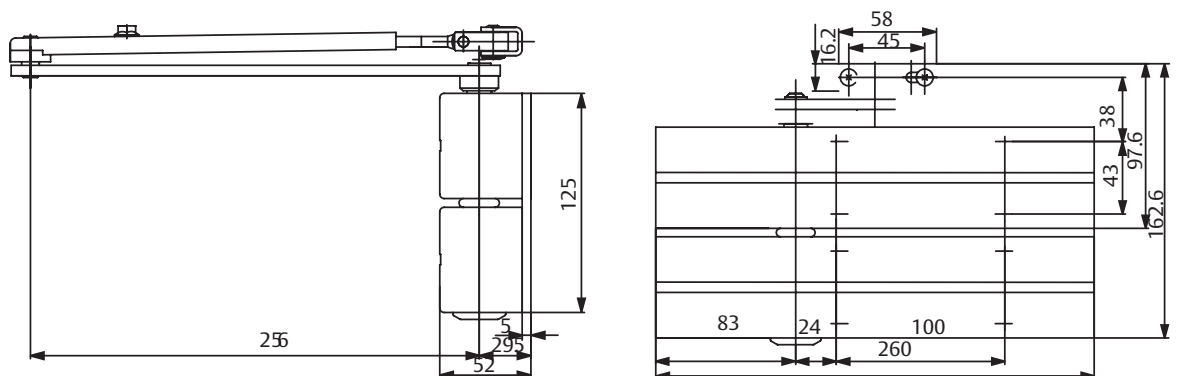
ASSA ABLOY DC300 Tandem:

- Rack and Pinion door closer with link arm L190
- Two door closer are interlinked for extra wide and heavy doors
- Double closing torque of DC300, EN size >7
- For single action doors up to 1800mm wide



Characteristics of DC300 Tandem:

- Suitable for fire and smoke protection doors
- Tandem mounting plate A121 generally required
- Can only be used with a link arm
- Can be used for left and right-handed doors
- Link arm height-adjustable up to 14mm
- Closing speed, latching speed and back-check adjustable via front facing regulating valves
- Thermodynamic valves for consistent performance
- Adjustable closing force
- Opening angle up to 180°
- Effective back-check and latching speed range adjustable
- Large range of applications
- Standard colour: Silver



All dimensions are in mm

Door Closer

Technical details for DC300 Tandem

Technical details:

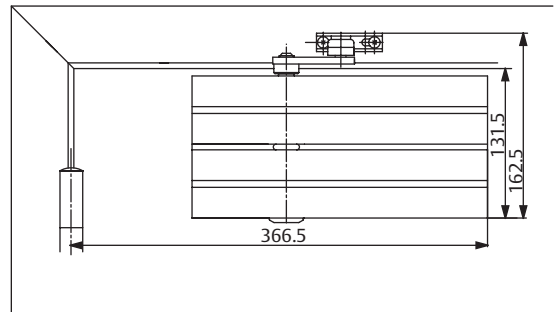
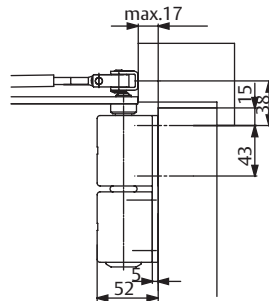
Adjustable closing force	EN >7 (2 x DC300)
Door width up to	1800mm
Door swing directions	Left / right handed
Closing speed	Variable between 180°-15°
Latching speed	Variable between 15° - 0°
Back-check	Variable above 75°
Hold-open mode	e.g. for external holding magnet
Height	125 mm
Depth	52 mm
Length	260 mm
In compliance with	EN1154 (DC 300)
CE marking for building products	Yes (DC300)

Door Closer

Dimensional drawings for DC300 Tandem

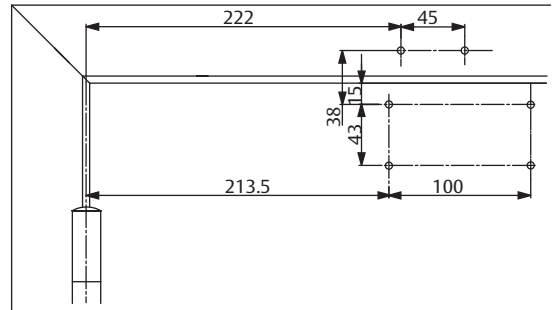
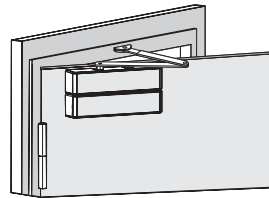
Required space on doors:

Left handed shown in diagram,
Right handed is the reverse.



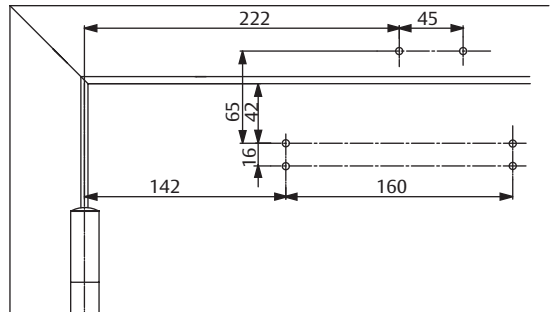
Installation dimensions for direct mounting:

Left handed shown in diagram,
Right handed is the reverse.



Installation dimensions with mounting plate:

In compliance with EN1154, Supplement 1, or for doors where direct mounting is not possible. Left handed shown in diagram,
Right handed is the reverse.

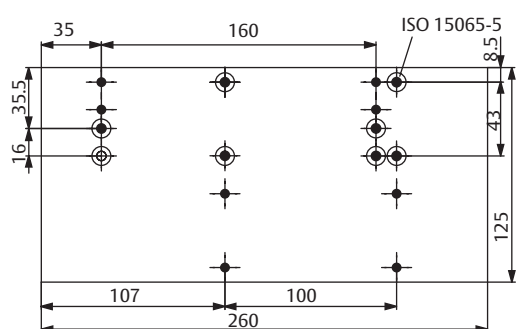
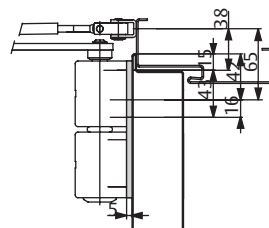


Door Closer

Accessories for DC300 Tandem

Mounting plate A121:

For mounting with drilling template according to EN1154 Supplement 1 (fire and smoke protection doors) and for direct mounting.



Door Closer - Surface Mounted DC500

ASSA ABLOY

Door Closer

DC500 Cam Motion

ASSA ABLOY DC500

- Door closer with Cam Motion technology and height-adjustable guide rail G195 or standard guide rail G193
- Fulfills barrier-free building requirements (DDA/ CEN TR 15894)
- Certified in compliance with EN1154, size EN1-4
- Suitable for fire and smoke protection doors
- For single action doors up to 1100mm wide
- Can be used in four installation types: Hinge and non-hinge side in standard and frame installation



CE	Abloy OY PO Box 108 80101 Joensuu, Finland		10			
	1162-CPD-0464	EN 1154:1996+A1:2002	3	8	4 1	1 1 4



Characteristics of DC500:

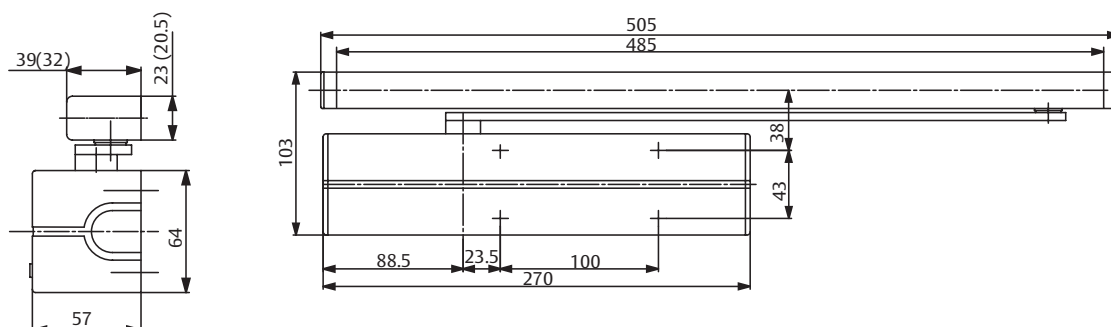
- Can be used with integrated concealed mounting plate, suitable for fire and smoke protection doors
- Can be used for left and right-handed doors
- Axis continuously height adjustable up to 14mm
- Closing speed, latching speed and back-check adjustable via front facing regulating valves
- Thermodynamic valves for consistent performance
- Adjustable closing force
- Opening angle up to 170°
- Effective back-check and latching speed range adjustable
- Large range of applications
- Standard colour: Silver
- Customized finishes available on request

Characteristics for guide rail G195:

- Height-adjustable by 2mm for tolerance
- Concealed fastening screws
- Installation dimensions: see diagram doors

Characteristics of standard guide rail G193:

- Without protective cover
- Visible fastening screws
- Installation dimensions: see diagram (dimensions in brackets)



All dimensions are in mm

Door Closer

Technical details for DC500

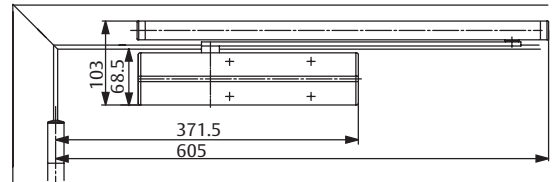
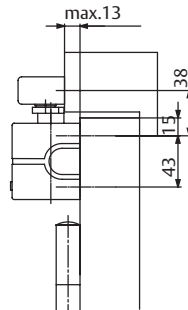
Technical details:

Adjustable closing force	EN1-4
Door width up to	1100mm
Fire and smoke protection	Yes
Door swing directions	Left / right handed
Standard and frame installation	Yes
Closing speed	Variable between 170°-15°
Latching speed	Variable between 15°-0°
Back-check	Variable above 75°
Opening angle hinge side	ca. 170°
Opening angle non-hinge side	ca. 102°
Height	64mm
Depth	57mm
Length	270mm
In compliance with	EN1154
CE marking for building products	Yes

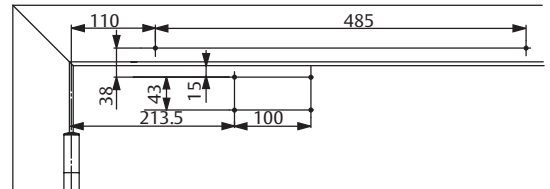
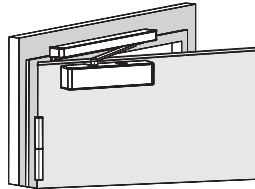
Door Closer

Dimensional drawings for DC500

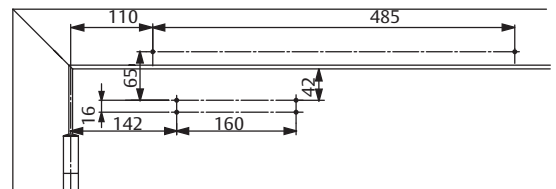
Space required on doors for standard installation on hinge side: Left handed shown in diagram, Right handed is the reverse.



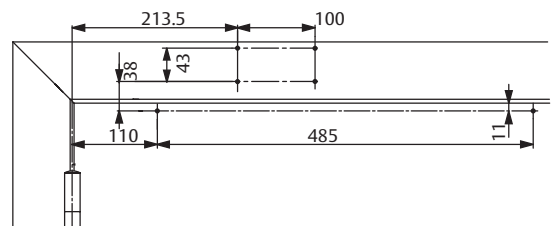
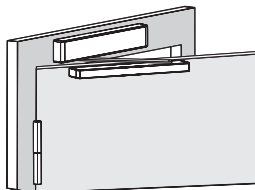
Installation dimensions for direct standard mounting on hinge side: Left handed shown in diagram, Right handed is the reverse.



Installation dimensions with mounting plate for standard mounting on hinge side: In compliance with EN1154, supplement 1, or for doors where direct mounting is not possible. Left handed shown in diagram, Right handed is the reverse.

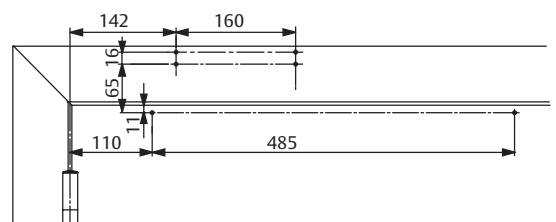


Installation dimensions for direct frame mounting on hinge side: Closer on hinge side of door frame. Left handed shown in diagram, Right handed is the reverse.



Installation dimensions with mounting plate for frame mounting on hinge side:

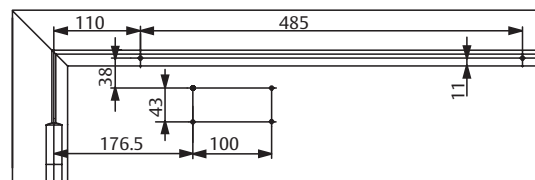
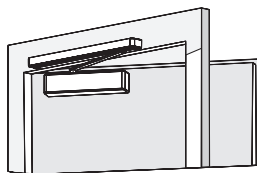
Closer on hinge side of door frame. For doors where direct mounting is not possible. Left handed shown in diagram, Right handed is the reverse.



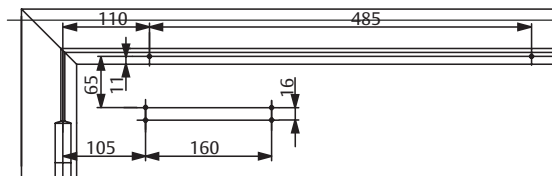
Door Closer

Dimensional drawings for DC500

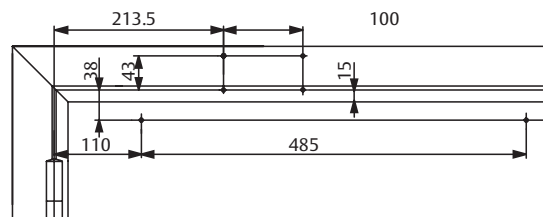
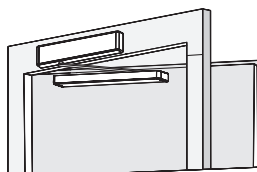
Installation dimensions for direct standard mounting non-hinge side: Right-handed door shown in diagram, Left handed door is the reverse.



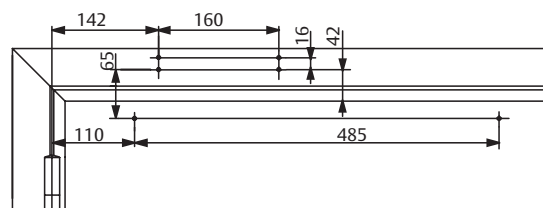
Installation dimensions with mounting plate for standard mounting non-hinge side: For doors where direct mounting is not possible. Right handed door shown in diagram, Left handed door is the reverse.



Installation dimensions when mounted directly on to the frame hinge side: Closer on non-hinge side of door frame. Right handed door shown in diagram, Left handed door is the reverse.

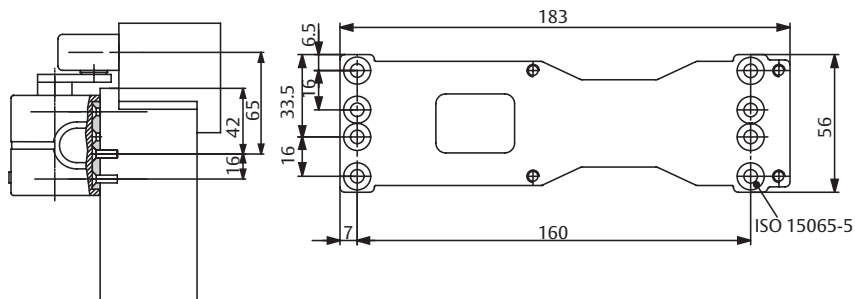


Installation dimensions with mounting plate for frame mounting non-hinge side: Closer on non-hinge side of door frame. For doors where direct mounting is not possible. Right-handed door shown in diagram, Left handed door is the reverse.

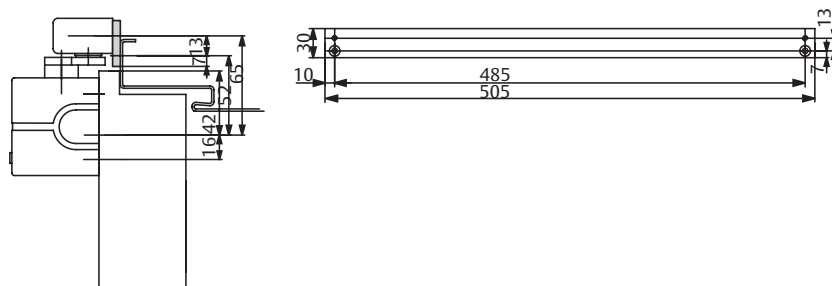


Accessories for DC500

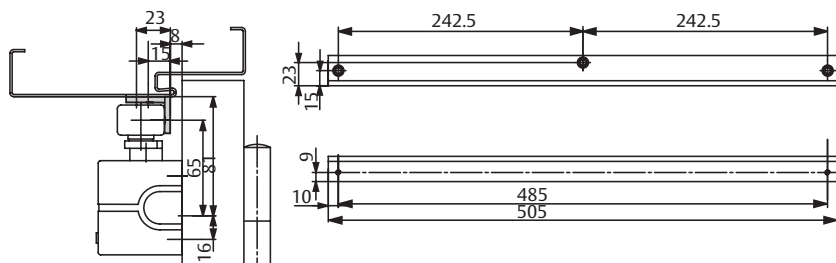
For mounting with
drilling template
according to EN1154,
Supplement 1 and for
universal use



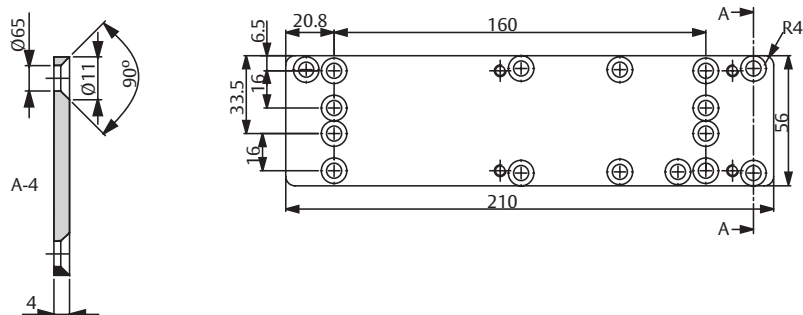
For guide rail G193 and G195



Only for standard guide rail G193



Replacement plate
A124



Door Closer

Accessories for DC500

Hold-open device A152:

- Mechanical hold-open device for doors which sometimes need to be secured in the open position
- Simple fitting into guide rail G193 and G195.
- Hold open angle: 130° (max.)
- Adjustable hold-open force
- Not approved for use on fire and smoke protection doors



Opening damper A153:

- Helps to prevent the door and door handle from hitting a return wall
- Simple fitting into guide rail G193 and G195
- Opening damper continuously adjustable up to an opening angle of max. 130°
- Does not replace a door stop



Door Closer - Surface Mounted DC700

ASSA ABLOY

Door Closer

DC700 Cam Motion

ASSA ABLOY DC700

- Door closer with Cam Motion technology and height-adjustable guide rail G195 or standard guide rail G193
- Fulfills barrier-free building requirements (DDA/ CEN TR 15894)
- In compliance with EN1154, size EN3-6
- Suitable for fire and smoke protection doors
- For single action doors up to 1400mm wide
- Can be used in four installation types: Hinge and non-hinge sides in standard and frame installation



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	1162-CPD-0464	EN 1154:1996+A1:2002	3	8	6 3	1 1 4



Characteristics of DC700:

- Can be used with integrated concealed mounting plate, suitable for fire and smoke protection doors
- Can be used for left and right-handed doors
- Axis continuously height adjustable up to 14mm
- Closing speed, latching speed and back-check adjustable via front facing regulating valves
- Thermodynamic valves for consistent performance
- Adjustable closing force
- Opening angle up to 170°
- Optional delayed action
- Large range of applications
- Standard colour: Silver
- Customized finishes available on request

Characteristics of standard guide rail G193:

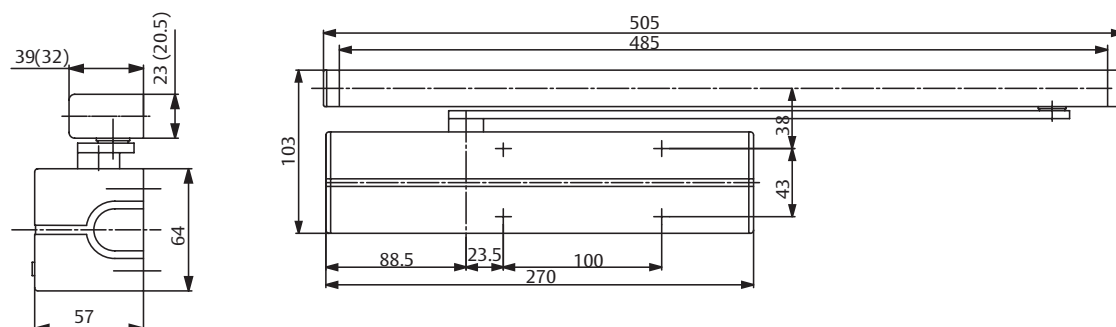
- Without protective cover
- Visible fastening screws
- Installation dimensions: see diagram (dimensions in brackets)

Characteristics for guide rail G195:

- Height-adjustable by 2mm for tolerance
- Concealed fastening screws
- Installation dimensions: see diagram doors

Characteristics of special model DC700AC:

- Opening angle of 180° for standard installation on hinge side
- Other features as in Model DC700



All dimensions are in mm

Door Closer

Technical details for DC700

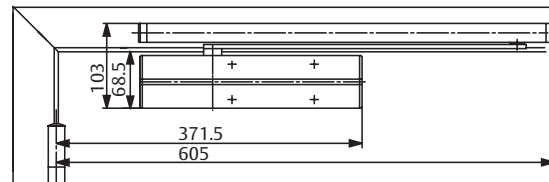
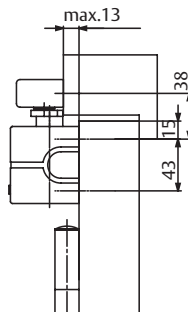
Technical details:

Adjustable closing force	EN3-6
Door width up to	1400mm
Fire and smoke protection	Yes
Door swing directions	Left / right handed
Standard and frame installation	Yes
Closing speed	Variable between 170°-15°
Latching speed	Variable between 15°-0°
Back-check	Variable above 75°
Delayed closing (DC700DA)	Yes
Opening angle hinge side (DC700)	ca. 170°
Opening angle hinge side (DC700 AC)	180°
Opening angle non-hinge side (DC700 AC)	ca. 120°
Height	64mm
Depth	57mm
Length	270 mm
In compliance with	EN1154
CE marking for building products	Yes

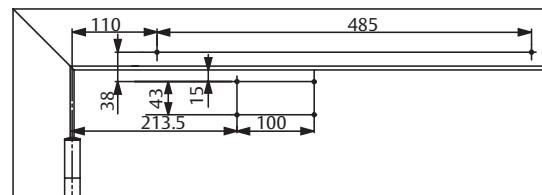
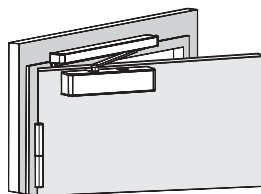
Door Closer

Dimensional drawings for DC700

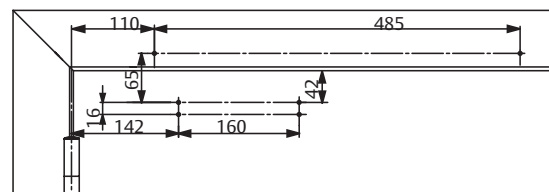
Space required on doors for standard installation on hinge side: Left handed shown in diagram, Right handed is the reverse.



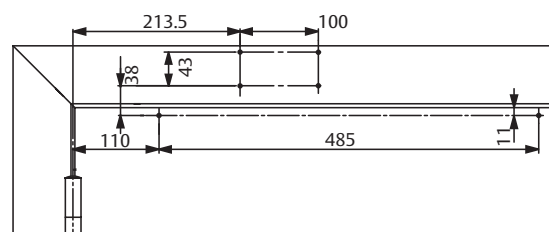
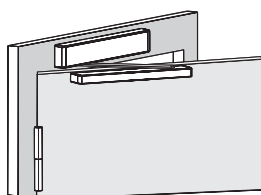
Installation dimensions for direct standard mounting on hinge side: Left handed shown in diagram, Right handed is the reverse.



Installation dimensions with mounting plate for standard mounting on hinge side: In compliance with EN 1154, supplement 1, or for doors where direct mounting is not possible. Left handed shown in diagram, Right handed is the reverse.

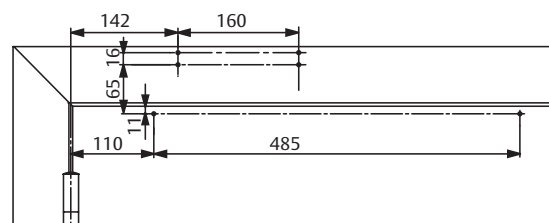


Installation dimensions for direct frame mounting on hinge side: Closer on hinge side of door frame. Left handed shown in diagram, Right handed is the reverse.



Installation dimensions with mounting plate for frame mounting on hinge side:

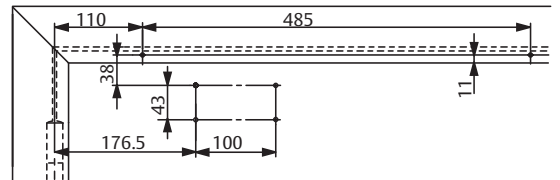
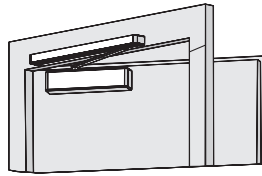
Closer on hinge side of door frame. For doors where direct mounting is not possible. Left handed shown in diagram, Right handed is the reverse.



Door Closer

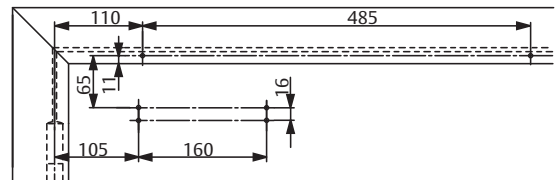
Dimensional drawings for DC700

Installation dimensions for direct standard mounting non-hinge side: Right handed door shown in diagram, Left handed door is the reverse.



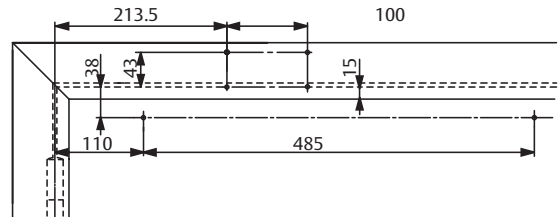
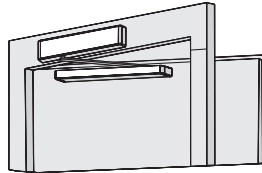
Installation dimensions with mounting plate for standard mounting non-hinge side:

For doors where direct mounting is not possible. Right-handed door shown in diagram, Left handed door is the reverse.



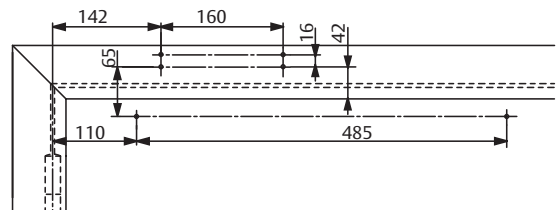
Installation dimensions when mounted directly on to the frame hinge side:

Closer on non-hinge side of door frame
Right-handed door shown in diagram,
Left handed door is the reverse.



Installation dimensions with mounting plate for frame mounting non-hinge side:

Closer on non-hinge side of door frame.
For doors where direct mounting is not possible.
Right-handed door shown in diagram,
Left handed door is the reverse.



Door Closer

Accessories for DC700

Hold-open device A152:

- Mechanical hold-open device for doors which sometimes need to be secured in the open position
- Simple fitting into guide rail G193 and G195
- Hold open angle: 130° (max.)
- Adjustable hold-open force
- Not approved for use on fire and smoke protection doors



Opening damper A153:

- Helps to prevent the door and door handle from hitting a return wall
- Simple fitting into guide rail G193 and G195
- Opening damper continuously adjustable up to an opening angle of max. 130°
- Does not replace a door stop



Door Closer - Surface Mounted DC700G-FT

ASSA ABLOY

Door Closer

DC700G-FT Cam Motion

ASSA ABLOY DC700G-FT:

- ASSA ABLOY Door Closer with Cam Motion technology, extended mounting plate and integrated latch bolt lock, extended guide rail with integrated escape door strike
- Suitable for retrofitting to fire doors with guide rail door closers and fastening using drilling template according to EN1154, Supplementary Sheet 1:2003-11
- In compliance with EN 1154, size EN3-6
- Escape door strike 332, tested in compliance with the German guidelines for electrical locking systems for doors along escape routes
- For single leaf doors, doors between 850mm - 1200mm wide



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	1162-CPD-0464	EN 1154:1996+A1:2002	3	8	6 3	1 1 4



ASSA ABLOY DC700G-FT:

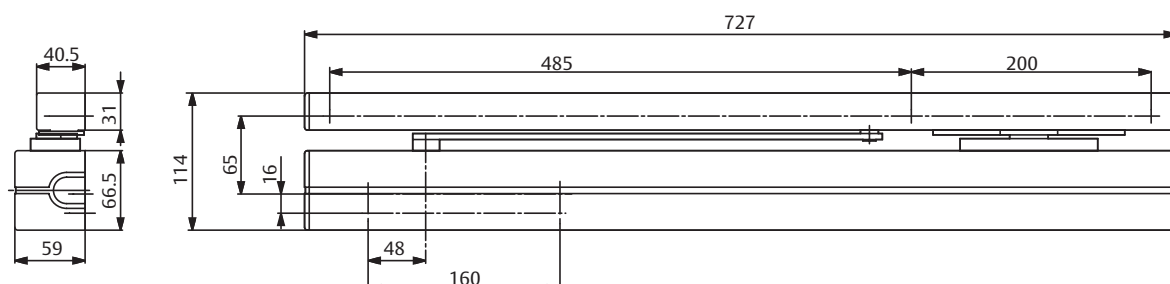
- Integrated escape door strike 332 in extended guide rail
- Integrated latch bolt lock 807 on extended mounting plate
- With 4m connecting cable
- Flush or surface installation of wiring possible
- Suitable for fire and smoke protection doors
- Suitable for left and right-handed doors
- Standard installation on hinge side
- Adjustable closing force
- Closing speed, latching speed and back-check continuously adjustable
- Thermodynamic valves for consistent performance
- Door closer axis height continuously adjustable by 14mm
- Standard colour: Silver

Characteristics of escape door locking system:

- Holding force of 2,000 N
- Latch position continuously adjustable between 12mm and 17mm
- Latch position adjustable horizontally between -3mm and +6mm
- Latch bolt lock can be adjusted vertically in 4mm increments (-4/ 0/ +4/ +8)
- Escape door strike using FaFix®, adjustable by 2mm (0.5 mm increments)

Characteristics of standard guide rail G193:

- Height-adjustable by 2mm for tolerance
- Concealed fastening screws



All dimensions are in mm

Door Closer

Technical details for DC700G-FT

Technical details:

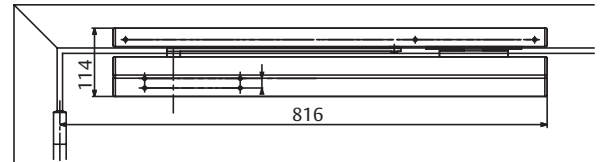
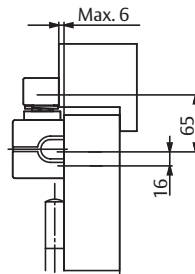
Adjustable closing force	EN 3-6
Door width up to	850mm - 1200mm
Fire and smoke protection	Yes
Door swing directions	Left / right handed
Standard and frame installation	Yes
Closing speed	Variable between 170°-15°
Latching speed	Variable between 15°-0°
Back-check	Variable above 75°
Opening angle hinge side	ca. 170°
In compliance with	EN1154
CE marking for building products	Yes
Mounting plate dimensions	See dimensional drawings
Dimensions of guide rail	See dimensional drawings
Escape door strike:	
Holding force	2000N
Rated voltage	12 V DC / 24 V DC
Rated current	190 mA / 12 V; 95 mA / 24 V
Rated operational voltage tolerance	+/- 10 %
Operating temperature range	-15 °C to +40 °C
Switching capacity - monitoring contact	24V, 1 A
Armature contact not potential-free	Yes
Free wheeling diode	Yes
In compliance with	EltVTR
Approved system in compliance with EltVTR	Escape route controller

Door Closer

Dimensional drawings for DC700G-FT

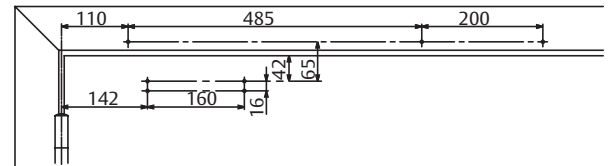
Space required on doors for standard mounting on hinge side

Left handed shown in diagram,
Right handed is the reverse.



Installation dimensions in compliance with EN 1154 Supplementary Sheet 1; standard hinge-side mounting

Left handed shown in diagram,
Right handed is the reverse.



Notice:

The positions 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 electric strike (FaFix®) of ± 1 mm and latch bolt lock of $\pm 6/-3$ mm mean that smaller differences in measurements can be compensated for.

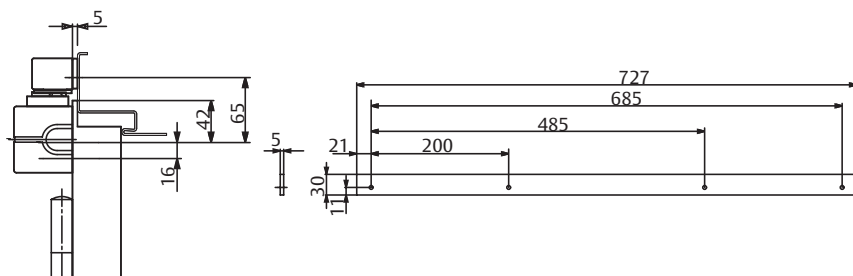
In case of doors with an overlapping door leaf (narrow or wide rebate), the following spacer plates must be used to ensure that the guide rail and mounting plate are in a flush position when on top of one another.

Door Closer

Accessories for DC700G-FT

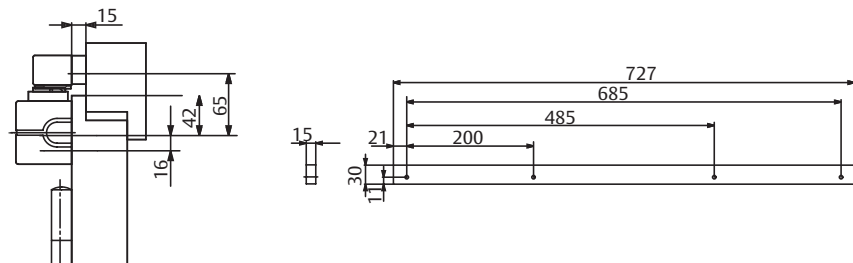
Spacer Plate DCFA01:

For shimming guide rails over ASSA ABLOY drilling pattern. For use on narrow-rebate doors with a max. door leaf overlap of 8mm.



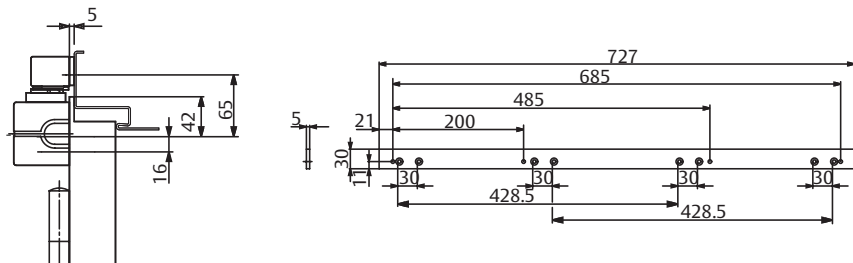
Spacer Plate DCFA02:

For shimming guide rails over ASSA ABLOY drilling pattern. For use on narrow-rebate doors with a max. door leaf overlap of 18mm.



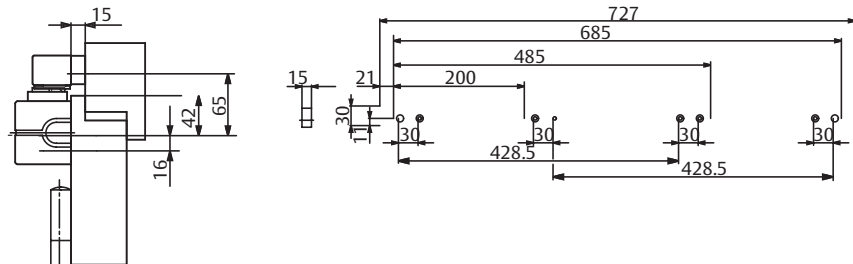
Replacement Plate DCFA03:

For mounting guide rail over existing drill holes from other manufacturers, for flush-fit doors and narrow rebate doors with door leaf overlap up to 8mm.



Replacement Plate DCFA04:

For mounting guide rail over existing drill holes from other manufacturers. For flush-fit doors and narrow rebate doors with door leaf overlap up to 18mm.

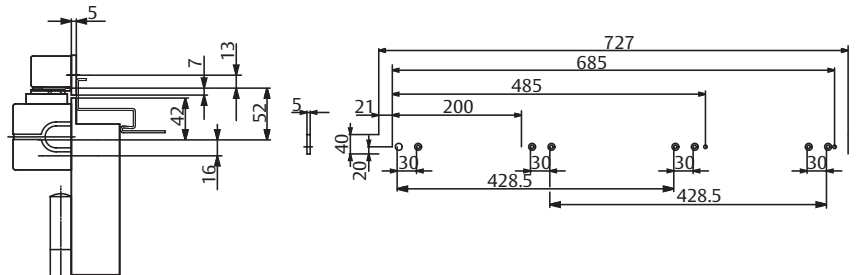


Door Closer

Accessories for DC700G-FT

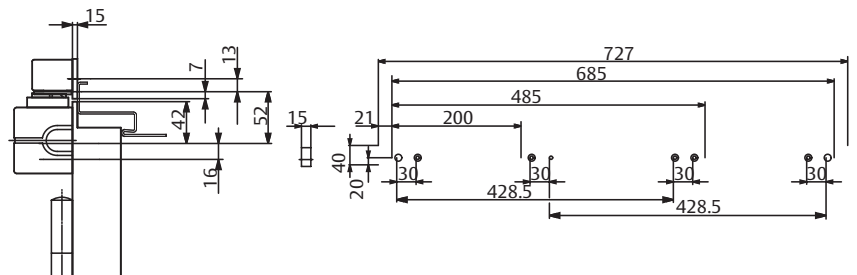
Spacer Plate DCFA05:

Mounting plate for narrow frames. For mounting over ASSA ABLOY drilling pattern and over existing drill holes from other manufacturers when the guide rail is replaced. For use on wide-rebate doors with a max. door leaf overlap of 8mm.



Spacer Plate DCFA06:

Mounting plate for narrow frames. For mounting over ASSA ABLOY drilling pattern and over existing drill holes from other manufacturers when the guide rail is replaced. For use on wide-rebate doors with a max. door leaf overlap of 18mm.



Door Closer - Concealed DC703

Door Closer

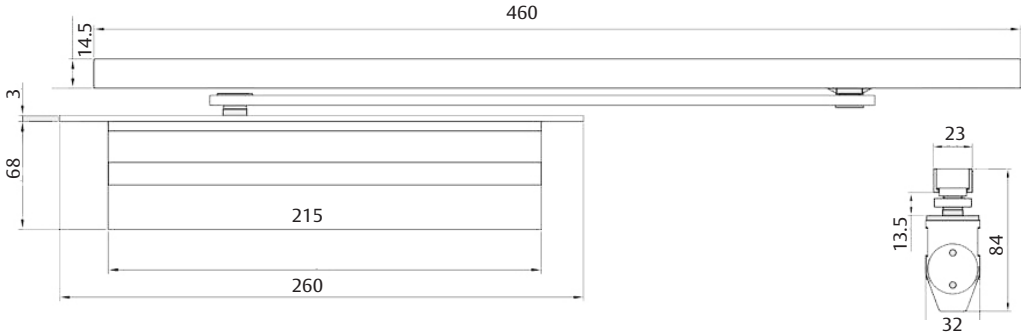
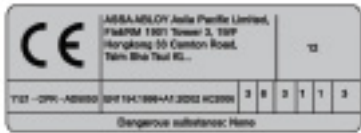
DC703

ASSA ABLOY DC703:

- Concealed door closer with Rack and Pinion technology
- CE certified with EN1154, size EN3 and EN1634
- For single action doors up to 950mm
- Opening angle up to 120°

Characteristics of DC703:

- Single action, with easy installation (Non-directional body to avoid any installation and adjustment mistakes)
- Suitable for wooden, metal and narrow profile aluminium door
- Powder-Coated finish, provide better reliability and better appearance
- Suitable for interior and external door application
- Optional 90° HO
- Standard colour: Silver



Door Closer

Technical details
for DC703

Technical details:

Closing force	Size EN3
Door width up to	950mm
Fire and smoke protection	Yes
Door swing directions	Non-handed
Closing speed	Variable between 120°-15°
Latching speed	Variable between 15°-0°
Opening Angle	120°
Height	54mm
Depth	32mm
Length	215mm
In compliance with	EN1154 & EN1634

Door Closer

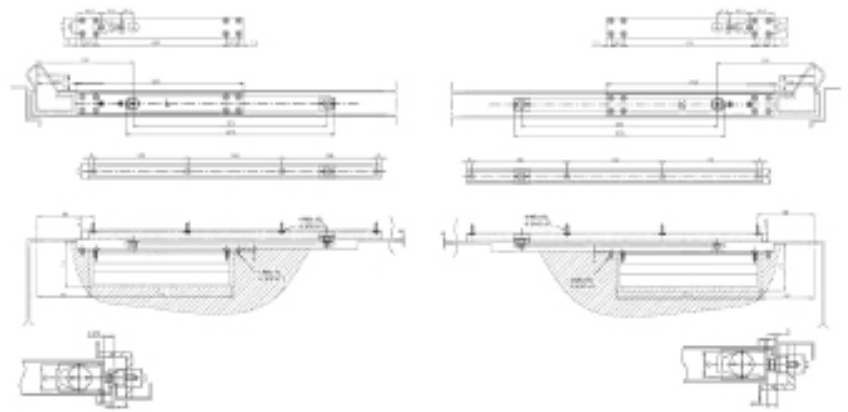
Dimensional drawings for DC703

Required space on doors:

Left handed shown in diagram,
Right handed is the reverse.

Installation dimensions:

Installation dimensions
EN3



Door Closer - Concealed DC800

ASSA ABLOY

Door Closer

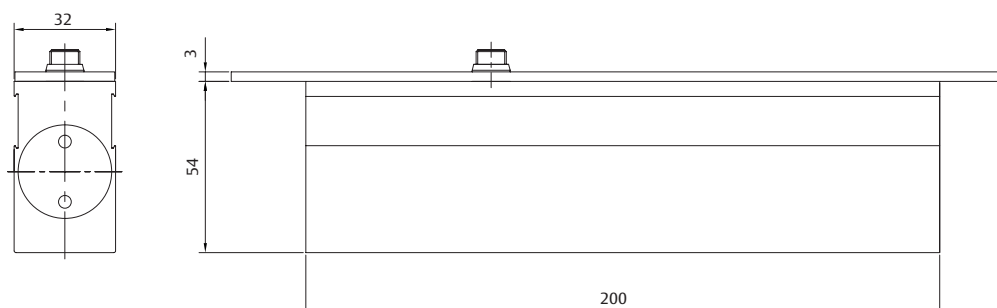
DC800

ASSA ABLOY DC800:

- Concealed door closer with Cam Motion technology
- In compliance with EN1154, size 3 and 4
- For single action doors up to 1100mm
- Compact design and slide channel

Characteristics of DC800:

- Can be used for left and right-handed doors
- Maximum door opening angle 115°
- Closing and latching speed adjustable via regulating valves
- Thermodynamic valves for consistent performance
- Optional hold-open unit
- Standard colour: Silver



Door Closer

Technical details for DC800

Technical details:

	Size 3 (DC803)	Size 4 (DC804)
Closing force		
Door width up to	950mm	1100mm
Fire and smoke protection	Yes	No
Door swing directions	Non-handed	
Closing speed	Variable between 115°-15°	
Latching speed	Variable between 15°-0°	
Backcheck	No	
Height	54mm	
Depth	32mm	
Length	200mm	
In compliance with	EN 1154	

Note: For size 3, please order DC803
size 4, please order DC804

All dimensions are in mm

Door Closer - Concealed DC901

ASSA ABLOY

Door Closer

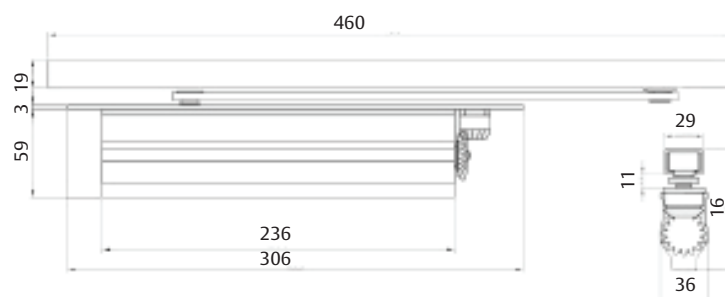
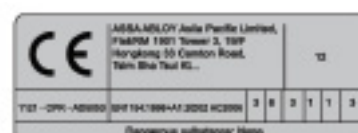
DC901

ASSA ABLOY DC901:

- Concealed door closer with CAM-Motion technology
- Compact design and light weight for easy installation
- CE certified with EN1154, size EN2-4 and EN1634
- For single action doors up to 1100mm
- Opening angle up to 120°

Characteristics of DC901:

- Optional back-check and delayed action functions
- Powder-Coated finish, provide better reliability and better appearance
- Suitable for interior and exterior door application
- Power adjustable EN 2-4
- Optional 90° HO
- Standard colour: Silver



Door Closer

Technical details for DC901

Technical details:

Closing force	Size EN2-4
Door width up to	1100mm
Fire and smoke protection	Yes
Door swing directions	Non-handed
Closing speed	Variable between 120°-15°
Latching speed	Variable between 15°-0°
Opening Angle	120°
Height	59mm
Depth	36mm
Length	236mm
In compliance with	EN1154 & EN1634

All dimensions are in mm

Door Closer - Concealed DC860

ASSA ABLOY

Door Closer

DC860 Cam Motion

ASSA ABLOY DC860

- Concealed door closer with Cam Motion technology and small standard concealed guide rail G892 or standard concealed guide rail G893
- Fulfills barrier-free building requirements (DDA/ CEN TR 15894)
- Certified in compliance with EN1154, size EN1-5
- Suitable for fire and smoke protection doors
- For single action doors up to 1250mm wide



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	0432-CPD-0047	EN1154:1996+A1:2002	3	8	5 1	1 1 2



Characteristics of DC860:

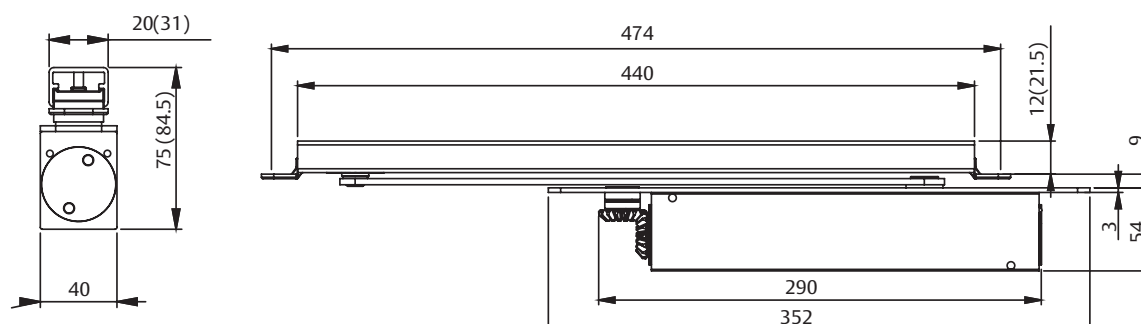
- Can be used for left and right-handed doors
- Closing speed, latching speed and back-check adjustable via front facing regulating valves
- Built-in back-check
- Thermodynamic valves for consistent performance.
- Opening angle up to 120°
- Large range of applications
- Versions with 4mm and 8mm spindle extensions
- Standard colour: Silver
- Customized finishes available on request

Characteristics of standard guide rail G892:

- Small size guide rail
- For standard applications
- Available with mechanical hold-open device or opening damper
- Installation dimensions: see diagram

Characteristics for guide rail G893:

- Guide rail suitable for equipping with hold-open device and back-check
- Installation dimensions: see diagram (dimensions in brackets)



All dimensions are in mm

Door Closer

Technical details for DC860

Technical details:

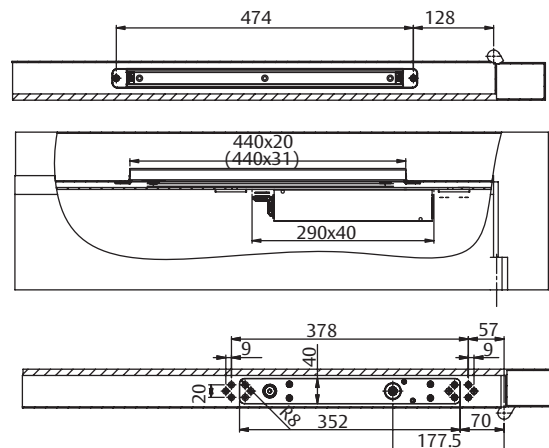
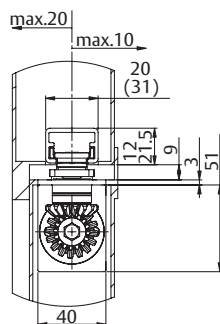
Adjustable closing force	EN1-5
Door width up to	1250mm
Fire and smoke protection	Yes
Door swing directions	Left / right handed
Standard and frame installation	Yes
Closing speed	Variable between 120°-7°
Latching speed	Variable between 7°-0°
Opening angle	ca. 120°
Height	54mm
Depth	40mm
Length	290 mm
In compliance with	EN1154
CE marking for building products	Yes

Door Closer

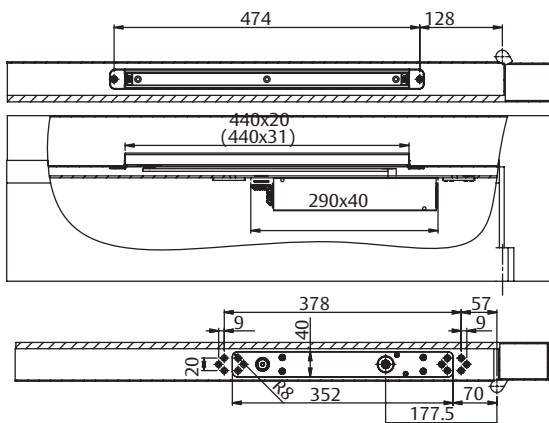
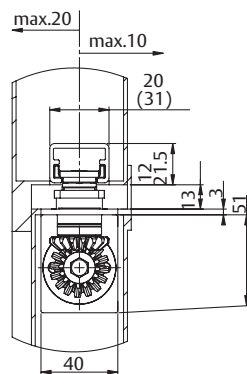
Dimensional drawings for DC860

Installation dimensions for direct standard mounting on hinge side:

Right-handed door shown in diagram, Left handed door is the reverse.

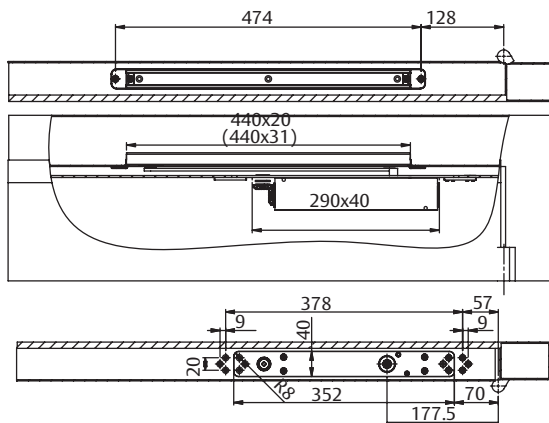
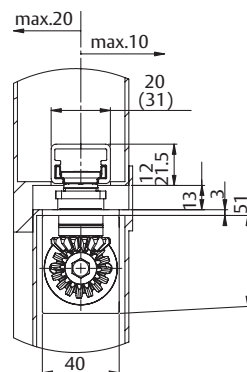


Right-handed door shown in diagram, Left handed door is the reverse.



Installation dimensions with 8mm axis extension:

Right-handed door shown in diagram, Left handed door is the reverse.



Door Closer

Accessories for DC860

Hold-open device A152:

- Mechanical hold-open device for doors which sometimes need to be secured in the open position
- Simple fitting into guide rail G193 and G195
- Hold open angle max. 130°
- Adjustable hold-open force
- Not approved for use on fire and smoke protection doors



Hold-open device A156:

- For guide rail G892

Opening damper A153:

- Helps to prevent the door and door handle from hitting a return wall
- Simple fitting into guide rail G893, does not replace a door stop
- Adjustable up to an opening angle of 120°



Opening damper A157:

- Helps to prevent the door and door handle from hitting a return wall
- Simple fitting into guide rail G892, does not replace a door stop
- Adjustable up to an opening angle of 120°

Fixing plate A162:

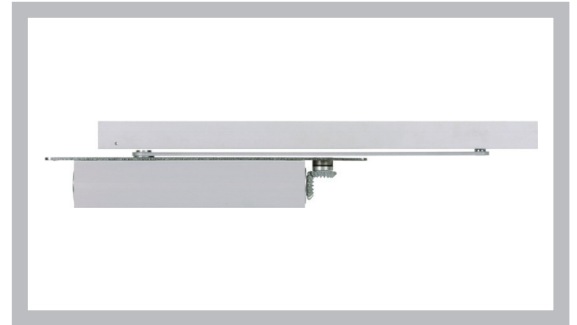
- Mounting plate set for metal doors

Door Closer

DC860 with G880 Cam Motion

ASSA ABLOY DC860 with G880

- Concealed door closer with Cam-Motion technology and guide rail with electromechanical hold open device for single leaf doors
- Guide rail is in compliance with EN1155, Size EN3-6
- Fulfil barrier-free building requirements (DDA/ CEN TR 15894)
- Hold-open angle continuously adjustable between 80°- 120°
- Suitable for fire and smoke protection doors
- For single action doors up to 1250mm wide

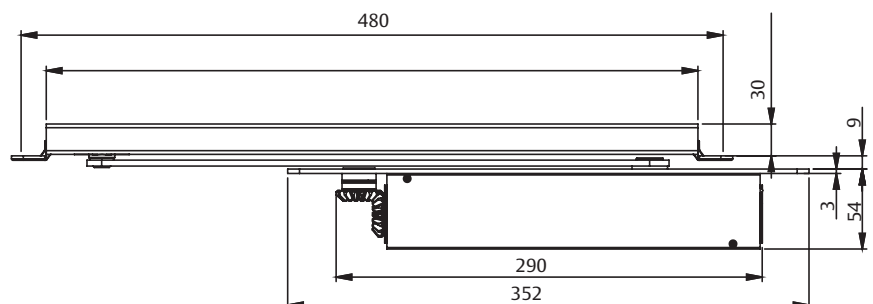
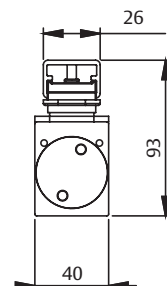


CE	Abloy Oy PO Box 108 80101 Joensuu, Finland		10	
	0432-BPR-0050	EN1155:1997+A1:2002	3	8
			6	3
			1	1
			0	



Characteristics of DC860 with G880:

- Concealed electromechanical hold-open device
- Continuously adjustable holding force
- Hold-open angle continuously adjustable between 80°- 120°
- Can be used for left and right-handed doors
- Closing speed and latching speed adjustable from top via regulating valves
- Built-in back-check
- Thermodynamic valves for consistent performance
- Large range of applications
- Versions with 4mm and 8mm spindle extensions
- Standard colour: Silver
- Customized finishes available on request



All dimensions are in mm

Door Closer

Technical details for DC860 with G880

Technical details:

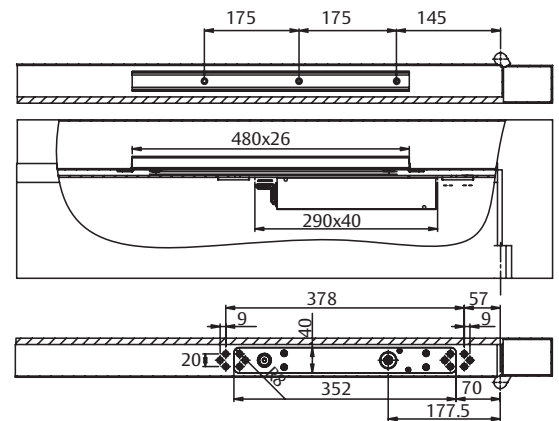
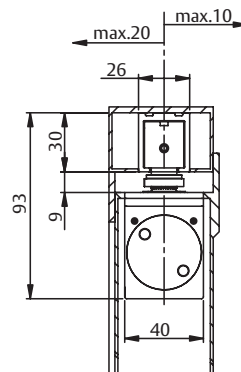
Supply voltage	24 V DC
Rated current consumption at 24 V	ca. 60 mA
Continuous duty	100% ED
Hold-open angle (continuously adjustable)	80° - 120°
Height	30mm
Depth	26mm
Length	493mm
Fire and smoke protection	Yes
In compliance with	EN1155
CE marking for building products	Yes
Facts for door closer	Yes, see DC860

Door Closer:

Dimensional drawings for DC860 with G880

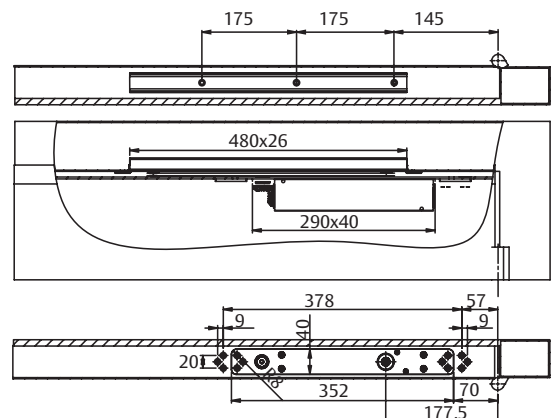
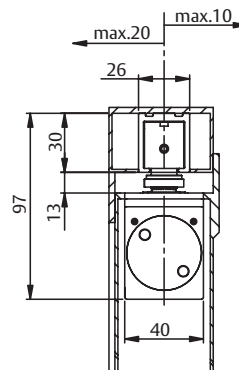
Installation dimensions for direct standard mounting on Hinge side:

Right-handed door shown in diagram, Left handed door is the reverse.



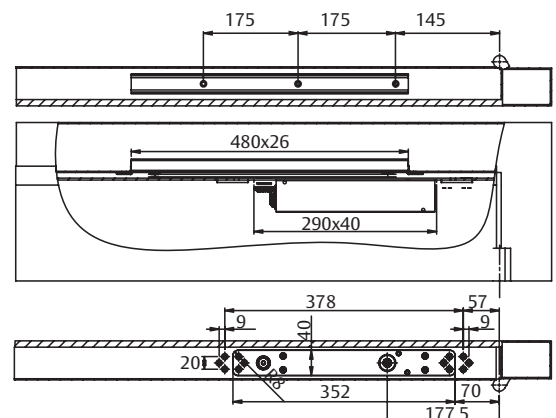
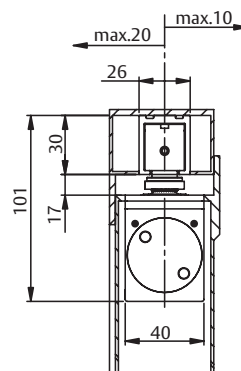
Installation dimensions with 4mm axis extension:

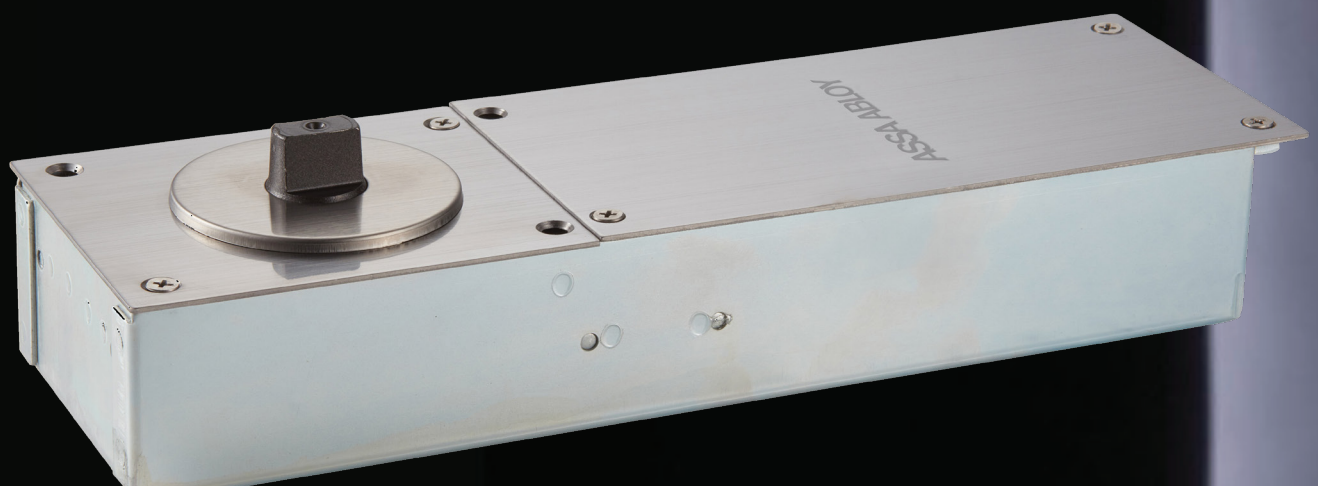
Right-handed door shown in diagram, Left handed door is the reverse.



Installation dimensions with 8mm axis extension:

Right-handed door shown in diagram, Left handed door is the reverse.





Floor Springs

ASSA ABLOY

The global leader in
door opening solutions

ASSA ABLOY Floor Springs

Features & Benefits

ASSA ABLOY

Floor Spring

Key features:

- Non-handed system
- Up to 1 million cycles tested
- Fire rated
- Concealed mounting
- Cam Motion system

Benefits:

- Versatile usage
- High durability
- Suitable for fire doors
- Modern & compact design
- Energy conservation

Standard & Certification

EN1154
CE Marked

Technical details:

- Various power sizes
- Suitable for wood, glass, metal and fire rated doors
- Available finishes - SSS, PSS and customized finishes available on request

Functions:

- Back-check
- Hold-open
- Controlled closing speed
- Thermodynamic valves
- Independent hydraulic circuit

This new range of product is based on a new modular concept and a common design, under a unique platform for both premium and standard floor spring.



ASSA ABLOY Floor Springs

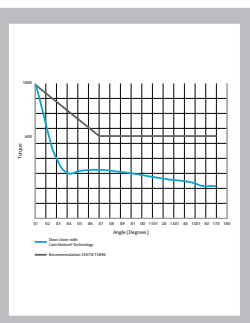
Features & Benefits

ASSA ABLOY

Key Features

Cam Motion® Technology:

This technology enables floor springs to comply with CEN TR 15894 requirements and ensures that the force which a user needs to apply to open the door up to 60° must be reduced by 40%.



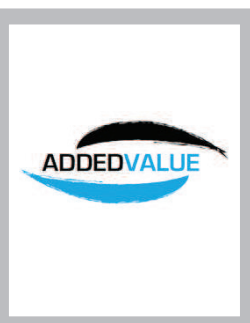
Thermodynamic valves:

The thermodynamic valves enable the consistent performance of a floor spring in case of temperature fluctuation.



1 Million Cycles:

The required durability according to EN1154 is 5,00,000 test cycles. ASSA ABLOY floor springs are tested to 1,000,000 cycles for improved durability and performance.



Metal eyelet:

Cover plate and eyelet are made from Satinless Steel and in the same color design for a consistent aesthetic appeal. Additionally, the eyelet cannot be removed after it is installed.

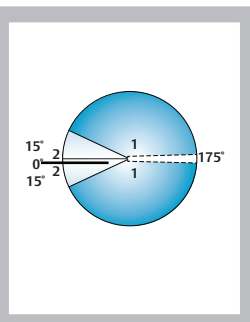


Floor Spring

Overview of functions

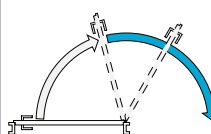
Independent hydraulic circuits:

The hydraulic circuits in floor spring, for the closing and latching speed adjustment, enable to regulate (slow down or speed up) the closing and latching speed precisely and independently from each other by thermodynamic valves.



Back-check:

Integrated back-check function hydraulically slows down the opening motion from an opening angle of about 75°.



	DC475	DC477	DC420	DC460	DC450	AF-200F	AF224P	AF503	AF600
EN Size	EN3 - EN6	EN2 - EN4	EN3/ EN4	EN2/EN3/EN4	EN3/EN4	EN3	EN2-4	Size 3	Size 3/4
Recommended door max. width (mm)	950 - 1400	850 - 1100	950/1100	850/950/1100	950/1100	950	850-1100	950	950-1100
Max. weight of door	<300kg	<170kg	<100kg	<120kg	<120kg	<120kg	<150kg	<105kg	<150kg
Applications	Heavy doors, high traffic doors, exterior doors	Recommended exterior & interior doors	Recommended for glass doors	Recommended for light-duty interior doors	Recommended for light-duty interior doors	Recommended for light-duty interior doors	Recommended exterior & interior doors	Recommended exterior & interior doors	Recommended exterior & interior doors
Opening angle (incl. hold-open)									
Back-check	✓	✓	✓	✓	✓	✓	✓	✓	✓
Single-action	✓	✓	✓	✓	✓	✓	✓	✓	✓
Double-action	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fire doors (CE)	✓	✓	✓	✓	(in preparation)	✓	✓	✓	✓
Hinge distance (mm)	36 - 42	54 - 57	36 - 46	48 - 54	49 - 54	49 - 54	49 - 54	45 - 50	48 - 56
Dimensions (mm) L x W x H	345 x 78 x 82	277 x 110 x 70	306 x 82 x 47	308 x 108 x 40	277 x 108 x 40	319 x 108 x 40.5	319 x 82 x 49.5	274 x 97 x 40	308 x 108 x 40

ASSA ABLOY Floor Spring DC475

ASSA ABLOY

Floor Spring with Cam Motion® technology and adjustable closing force for large or very heavy doors

ASSA ABLOY DC475:

- Floor spring with adjustable closing force for large and very heavy doors
- In compliance with EN1154 size EN3-6
- 1,000,000 cycles tested
- Suitable for fire and smoke protection doors
- For single and double action door up to 300kg

Characteristics of DC475:


- Closing from 175° in both door swing directions with hydraulic control from 175°
- Two thermodynamic valves for consistent performance
- Adjustable door speed and latching speed through top regulating valves
- Back-check
- Cast Iron body
- Adjustments in all directions within the cement box
- Cement box is hot zinc plated
- Cover plates and eyelets made in polished or Satin Stainless Steel and Polished Brass
- Interchangeable spindle from 0 to 30mm
- Available without hold-open or with hold-open angle 90° and 105°

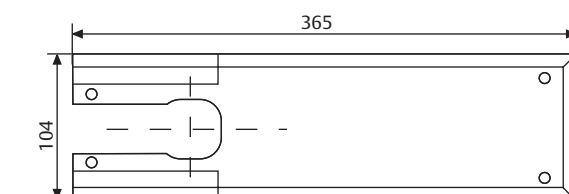
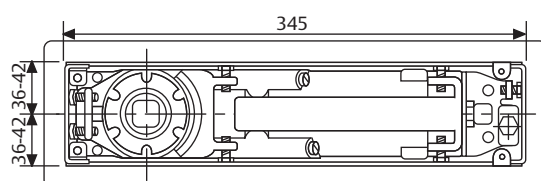
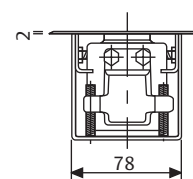
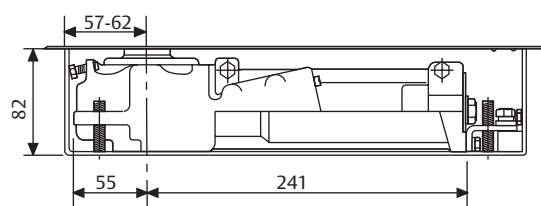
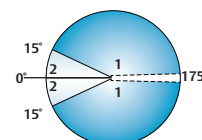
Speed adjustment:

1 variable closing speed 175° - 15°

2 variable latching speed 15° - 0°



	ASSA ABLOY Italia S.p.A. Via Bovaresa, 13 40017 San Giovanni in Persiceto Bologna - Italy				04			
	0425 DO.0663	EN 1154:1996+A1:2002	3	8	$\frac{3}{6}$	1	1	4



All dimensions are in mm

Floor Spring

DC475

Technical details:

Adjustable closing force	EN3-6
Door width up to	1400mm
Door weight up to	300 kg
Max. opening angle	175°
Closing speed	Variable between 175°-15°
Latching speed	Variable between 15°- 0°
Back-check	Mechanical
Weight	7.3kg
Height	82mm
Length	345mm
Width	78mm
Body adjustment within cement box	Vertical 9mm, side 6mm, front 5mm, angular 2°
DIN-direction	Left/Right-handed doors or double action
Hold-open mode	90°/105°/Non hold-open
In compliance with	EN1154
CE Marking for building products	Yes
Fire and smoke protection	Yes

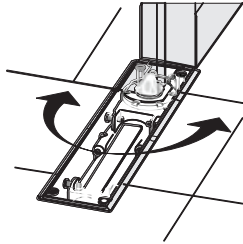
Our service for you:
Here you can see the individual advantages of our floor spring models for your respective fields of business.

The advantages at a glance:

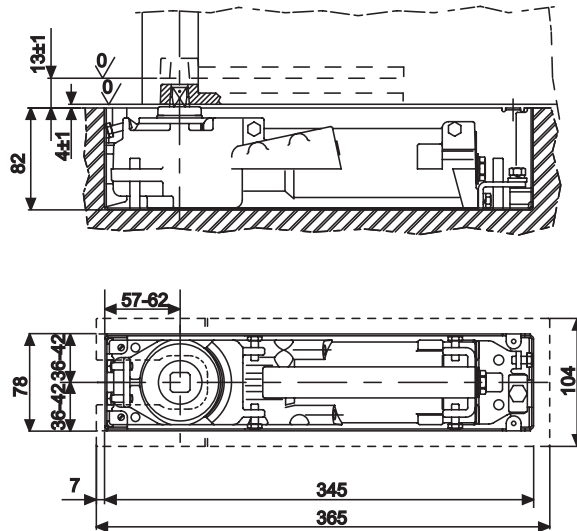
Customer segment	Advantages
Project planners	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Hold-open at 90°, 105° and non hold-open - Variety of available spindles: squared Italian, rectangular German - Architectural finishes: Cover plates and eyelets in Polished Satinless Steel Polished Brass
Builders	<ul style="list-style-type: none"> - Universal for left/right handed and double-action doors - Overpressure relief valve to protect unit against abuse - Large range of adjustment within cement box to solve possible alignment problems on the site without taking down the door
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for a large variety of mounting positions - Complementary accessories available for the whole product range
User	<ul style="list-style-type: none"> - Adjustable operating force to meet door construction requirements and user needs - Easier door opening and improved accessibility due to Cam Motion® technology - Back-check feature offers optimum protection for doors and walls

Floor Spring

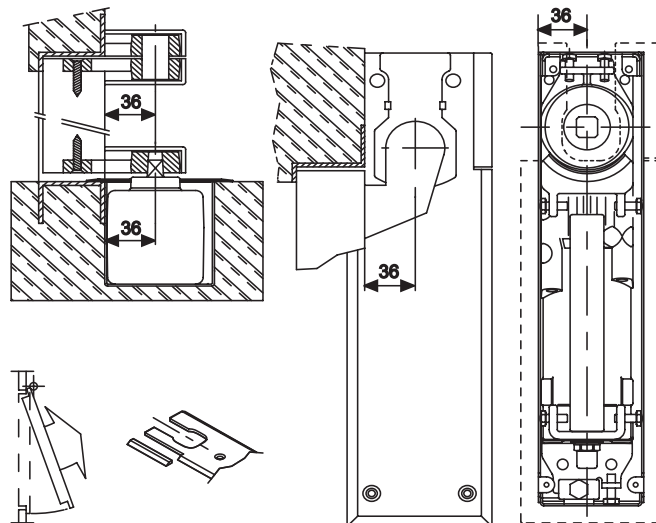
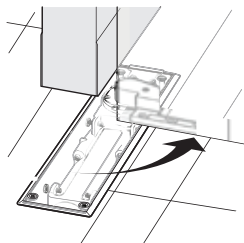
Dimensional drawings for DC475



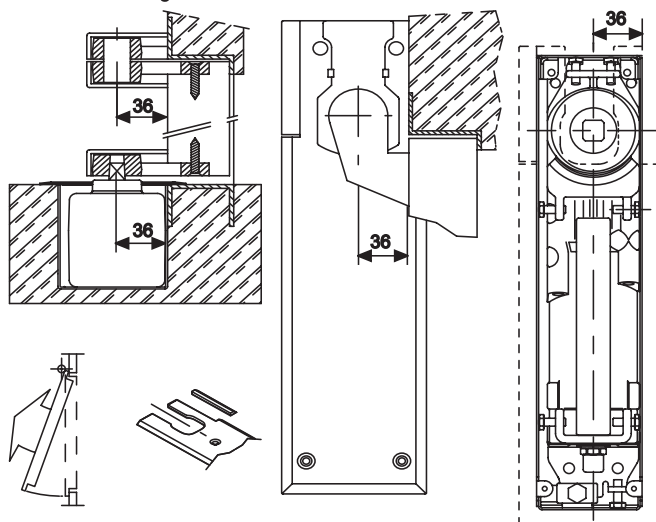
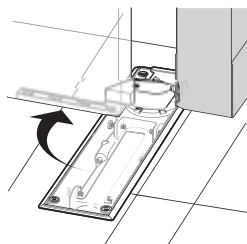
Double-action door mounting



Right-handed door mounting

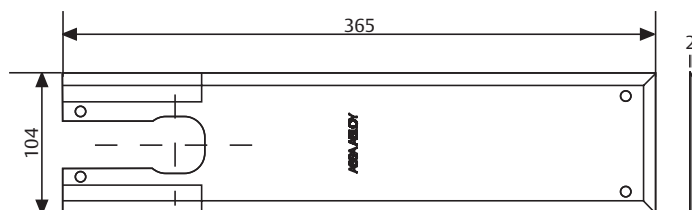


Left-handed door mounting



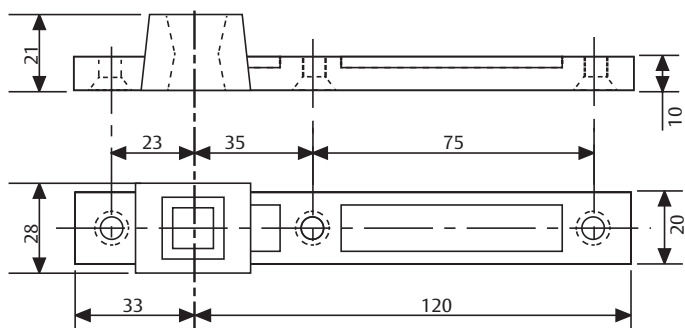
Floor Spring

Accessories for DC475



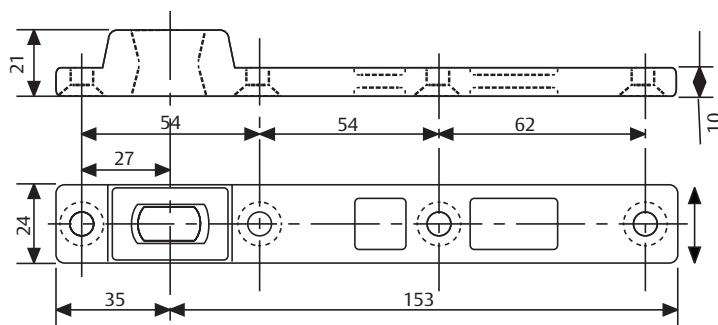
AC269

Available in Satin Stainless Steel, Polished Stainless Steel and Polished Brass.



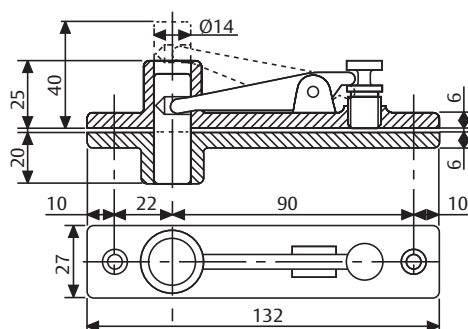
AC115

Reversible bottom arm in steel for double action doors, socket for Italian squared spindle.



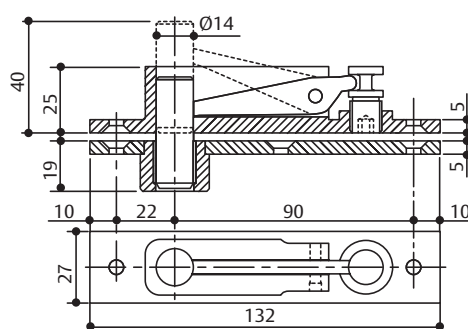
AC393

Reversible bottom arm in steel for double action doors, socket for German rectangular spindle.



AC8

Double action top pivot

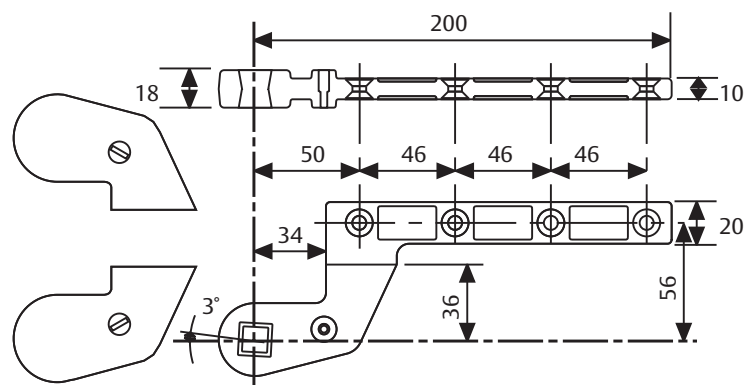


AC375

Double action top pivot in full steel with self lubricating bushing

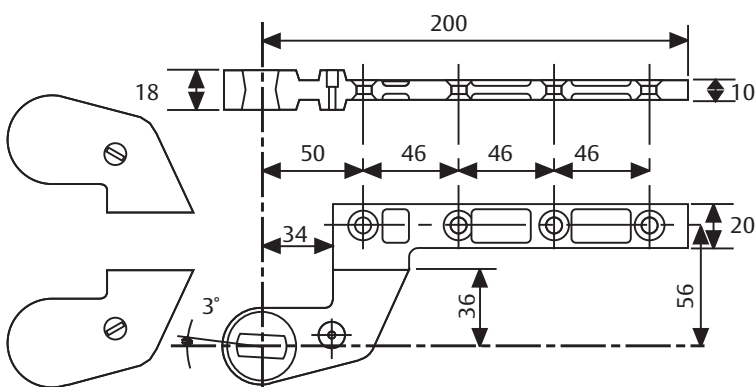
Floor Spring

Accessories for DC475



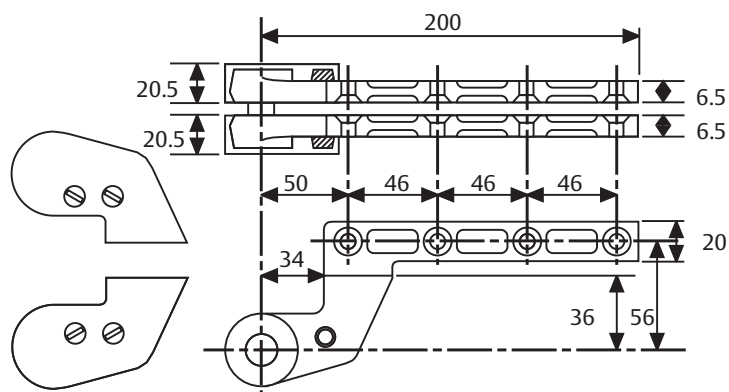
AC583

Right and left bottom arm in steel for single-action doors, 36mm offset. Socket for Italian squared spindle, Silver or Black painted.



AC392

Right and left bottom arm in steel for single action doors, 36 mm offset, socket for German rectangular spindle, Silver and Black painted ABS covers.

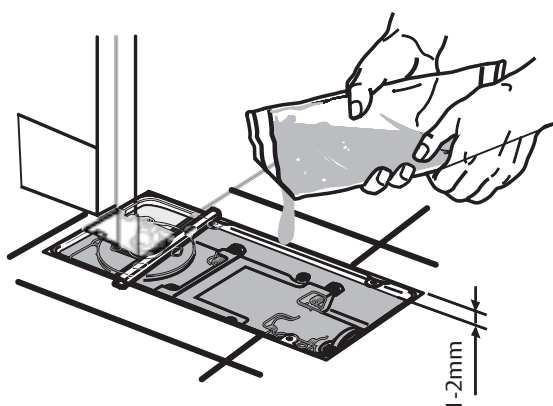


AC384

Right and left top arm in full steel, 36mm offset with Silver or Black painted ABS cover.

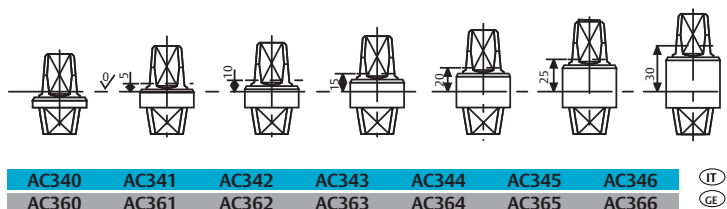
AC612

Sealing compound for floor springs



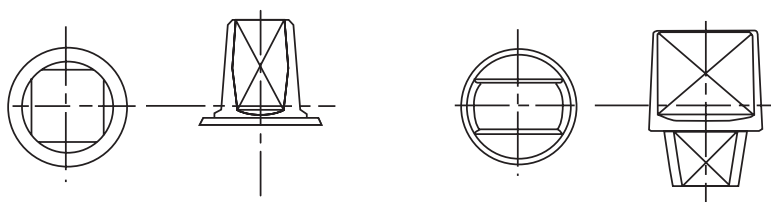
Floor Spring

Accessories and
order placement
information for
DC475



Detachable spindles

Italian spindle - square
shape (left image)
German spindle - flat-
conical shape
(right image)



You can find the
complete specifica-
tions on the internet
at: www.assaabloy.com, under "Service"
in the support
section.

Specifications for DC475:

ASSA ABLOY Floor spring DC475 featuring
Cam Motion® technology is in compliance with
EN1154

- 1,000,000 cycles tested
- Closing power variable adjustable, size EN3-6,
for doors up to 1400mm wide
- Closing speed, latching speed adjustable
through top regulating valves
- CE approved
- 9mm height adjustable within cement box
- Suitable for left/right handed double-action
doors

Accessories:

- ☐ AC115 - Reversible bottom arm Italian spindle
- ☐ AC393 - Reversible bottom arm German spindle
- ☐ AC8 - Double action top pivot
- ☐ AC375 - Double action top pivot
- ☐ AC583 - Right and left bottom arm. Socket for
Italian square spindle.
- ☐ AC392 - Right & left bottom arm. Socket for
German rectangular spindle.
- ☐ AC384 - Top pivot for left or right doors
- ☐ AC612 - Sealing compound for floor springs
- ☐ AC269 - Cover plate for DC475

Colour:

- ☐ Polished Satinless Steel
- ☐ Satin Satinless Steel
- ☐ Polished Brass

ASSA ABLOY Floor Spring DC477

ASSA ABLOY

Floor Spring with Cam Motion® technology and adjustable closing force for heavy doors

ASSA ABLOY DC477:

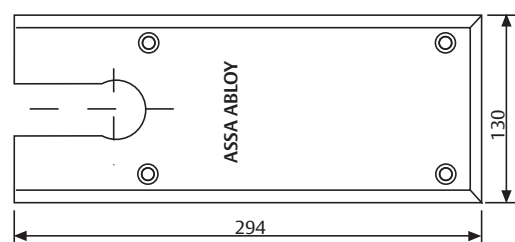
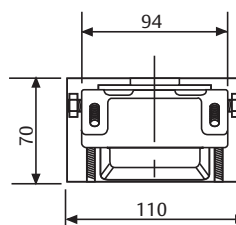
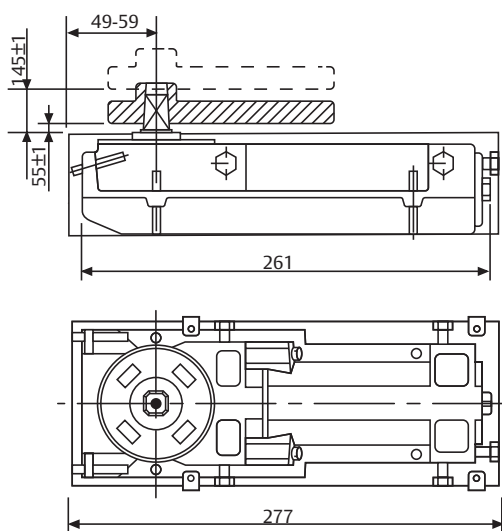
- Floor spring with adjustable closing force for large and heavy doors
- In compliance with EN1154, size EN2-4
- 1,000,000 cycles tested
- Suitable for fire and smoke protection doors
- For single and double action doors up to 170kg

Characteristics of DC477:

- From 175° in both door swing directions with hydraulic control from 150°
- Two thermodynamic valves for consistent performance
- Adjustable door speed and latching speed through top regulating valves
- Back-check
- Cast Iron body
- Adjustments in all directions within the cement box
- Cement box is hot zinc plated
- Cover plates and eyelets made in polished or Satin Stainless Steel and Polished Brass
- Interchangeable spindle from 0 to 30mm
- Available without hold-open or with hold-open angle 90°, 105°



CE	ASSA ABLOY Italia S.p.A. Via Modena, 68 40017 San Giovanni in Persiceto Bologna - Italy			10			
	0425.DO.2221	EN 1154:1996+A1:2002	3	8	2 4	1 1	4



All dimensions are in mm

Floor Spring

DC477

Technical details:

Adjustable closing force	EN2-4
Door width up to	1100mm
Door weight up to	170kg
Max. opening angle	175° (Max. 150° in case of no hold-open)
Closing speed	Variable between 150°-15°
Latching speed	Variable between 15°- 0°
Back-check	Mechanical
Weight	5.4kg
Height	70mm
Length	277mm
Width	110mm
Body adjustment within cement box	Vertical 9mm, side 4mm, front 10mm, angular 4°
DIN-direction	Left/Right handed double-action doors
Hold-open mode	90°/105°/Non hold-open
In compliance with	EN1154
CE marking for building products	Yes
Fire and smoke protection	Yes

Our service for you:
Here you can see the individual advantages of our floor spring models for your respective fields of business.

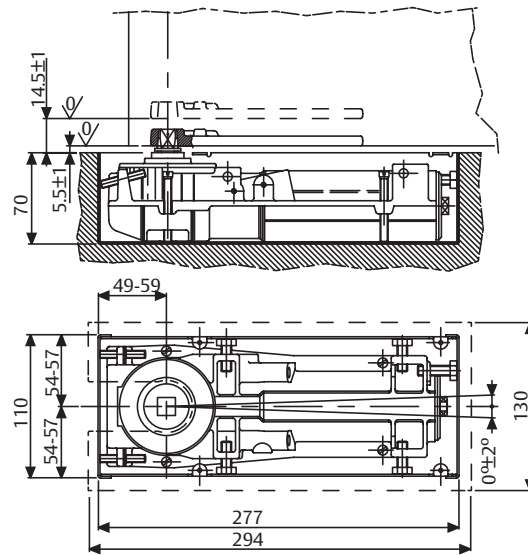
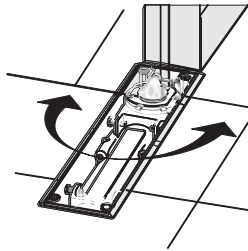
The advantages at a glance:

Customer segment	Advantages
Project planners	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Hold-open at 90°, 105° and non hold-open version - Variety of available spindles: squared Italian, rectangular German - Architectural finishes: Cover plates and eyelets in Polished Satinless Steel, Satin Satinless Steel, Polished Brass
Builders	<ul style="list-style-type: none"> - Universal for left/right handed and double-action door - Overpressure relief valve to protect unit against abuse - Large range of adjustment within cement box to solve possible alignment problems on the site without taking down the door
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for a large variety of mounting positions - Complementary accessories available for the whole product range
User	<ul style="list-style-type: none"> - Ideal for residential interiors, thanks to adjustable opening/closing force that makes opening/closing easy - Adjustable operating force to meet door construction requirements and user needs - Back-check feature offers optimum protection for doors and walls - Easier door opening and improved accessibility due to rapidly decreasing opening force (Cam Motion®)

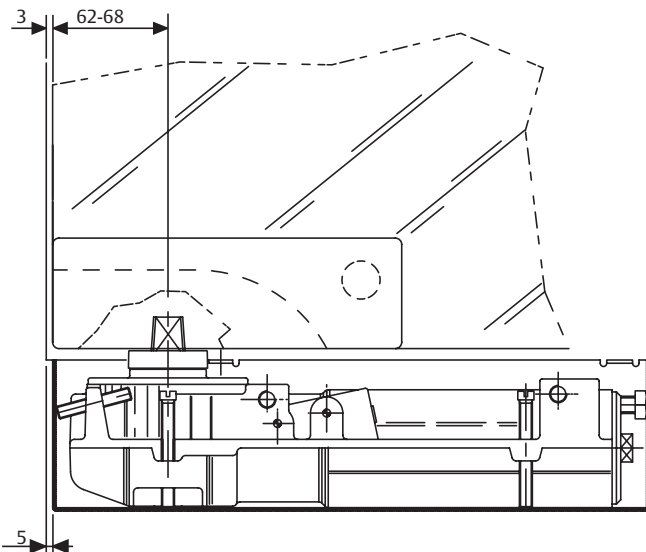
Floor Spring

Dimensional drawings for DC477

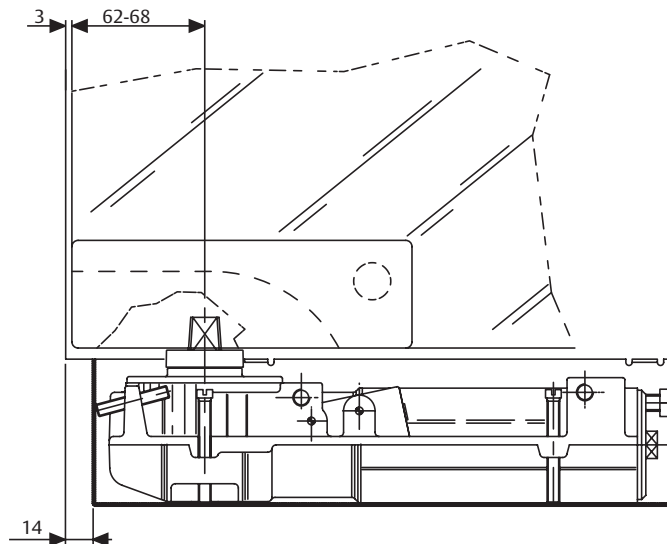
Double-action door mounting



Right-handed double-action door with patch fitting V500 bottom hinge for centre-hung doors

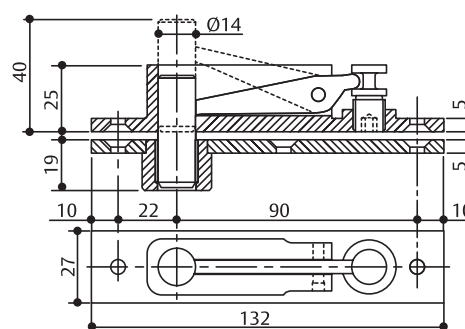
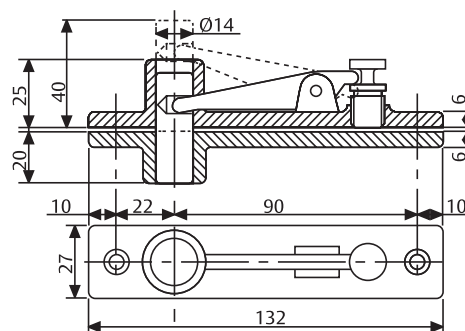
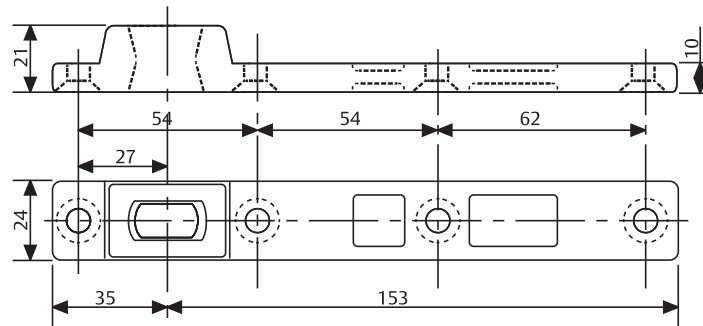
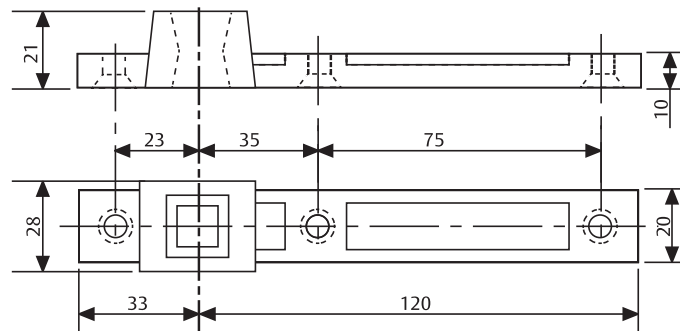
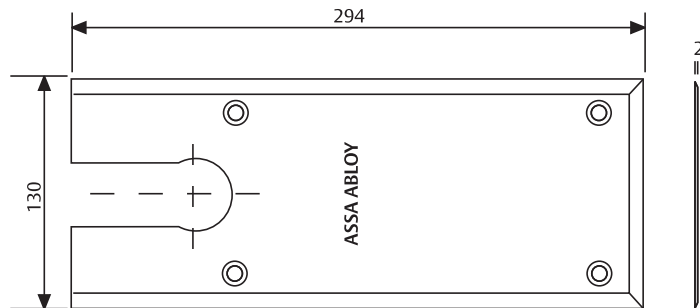


Left-handed double-action door with patch fitting V500 bottom hinge for centre-hung doors



Floor Spring

Accessories for DC477



AC534

Available in Satin Stainless Steel, Polished Stainless Steel and Polished Brass.

AC115

Reversible bottom arm in steel for double action doors, socket for Italian squared spindle.

AC393

Reversible bottom arm in steel for double action doors, socket for German rectangular spindle.

AC8

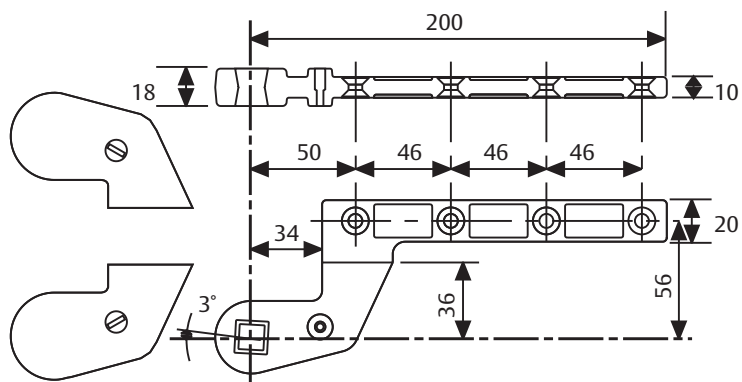
Double action top pivot

AC375

Double-action top pivot in full steel with self-lubricating bushing

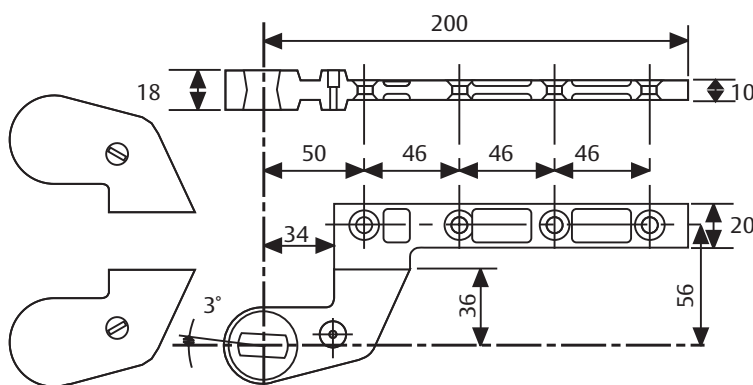
Floor Spring

Accessories for DC477



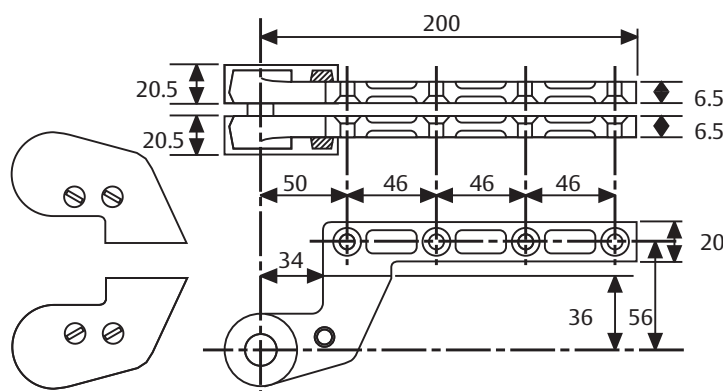
AC583

Right and left bottom arm in steel for single action doors, 36mm offset, socket for Italian square spindle, Silver or Black painted ABS covers.



AC392

Right and left bottom arm in steel for single action doors, 36mm offset, socket for German rectangular spindle, Silver and Black painted ABS covers.

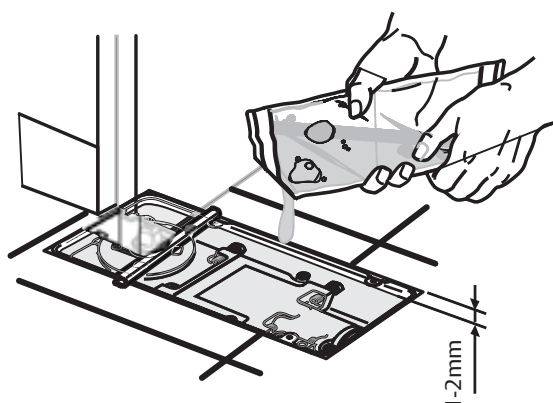


AC384

Right and left top arm in full steel, 36mm offset, Silver or Black painted ABS cover.

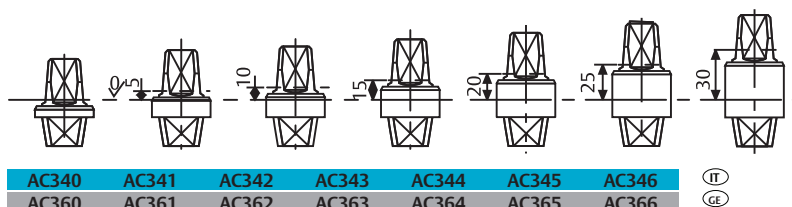
AC612

Sealing compound for floor springs

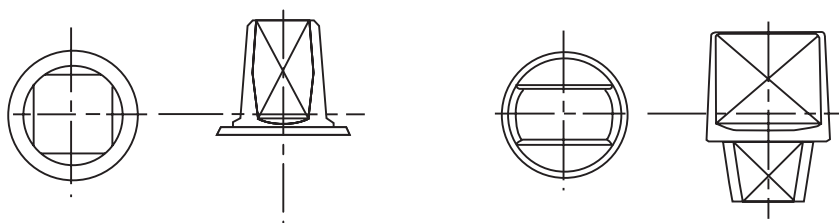


Floor Spring

Accessories and
order placement
information for
DC477



Detachable spindles:
Italian spindle - square
shape (left image)
German spindle - flat-
conical shape
(right image)



You can find the
complete specifica-
tions on the internet
at: www.assaabloy.com, under "Service"
in the support
section.

Specifications for DC477:

ASSA ABLOY Floor spring DC477 featuring
Cam Motion® technology is in compliance with
EN1154

- Closing power size EN2-4 for doors up to 1100mm wide
- 1,000,000 cycles tested
- Closing speed, latching speed adjustable through regulating valves
- CE approved
- 9mm height adjustable within cement box
- Suitable for left/right handed double action doors

Colour:

- ☐ Polished Satinless Steel
- ☐ Satin Satinless Steel
- ☐ Polished Brass

Accessories:

- ☐ AC115 - Reversible bottom arm Italian spindle
- ☐ AC393 - Reversible bottom arm German spindle
- ☐ AC8 - Double action top pivot
- ☐ AC375 - Double action top pivot
- ☐ AC583 - Right and left bottom arm. Socket for Italian square spindle.
- ☐ AC392 - Right & left bottom arm. Socket for German rectangular spindle.
- ☐ AC384 - Top pivot for left or right doors
- ☐ AC612 - Sealing Compound for floor springs
- ☐ AC537 - Cover plate for DC477
- ☐ AC534 - Cover plate for DC477

ASSA ABLOY Floor Spring DC420

ASSA ABLOY

Floor Spring with Cam Motion® technology and fixed closing force for thin slabs

ASSA ABLOY DC420:

- Floor spring with fixed closing force for thin slabs
- In compliance with EN1154, size EN3/EN4 cycle test over 1,000,000, cycles
- Suitable for fire and smoke protection doors
- For single and double action doors up to 100kg

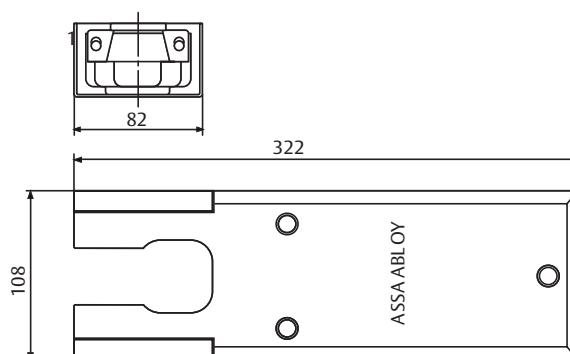
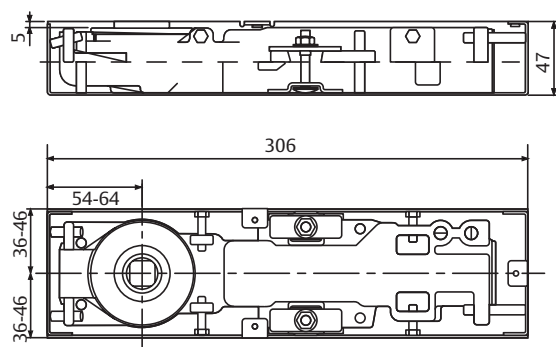
Characteristics of DC420:

- Same dimensions for two bodies according to fix size EN3/EN4
- Hydraulic control over 175° in both door swing directions
- Adjustable door speed and latching speed from top regulating valves
- Cast Iron body
- Adjustments in all directions within the cement box
- Cement box hot zinc plated
- Cover plates and eyelets made in Polished or Satin Satinless Steel
- Interchangeable spindle from 0 to 30mm
- Available without hold-open or with hold-open angle 90°, 105°



CE	ASSA ABLOY Italia S.p.A. Via Bovaresa, 13 40017 San Giovanni in Persiceto Bologna - Italy	04					
		0425 DO.0524	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 Bologna - Italy	04					
		0425 DO.0525	EN 1154:1996+A1:2002	3	8	4	1 1 4



All dimensions are in mm

Floor Spring

DC420

Technical details:

Fix closing force	EN3/EN4
Door width up to	950mm/1100mm
Door weight up to	100kg
Max. opening angle	175°
Closing speed	Variable between 175°-15°
Latching speed	Variable between 15°- 0°
Back-check	No
Weight	3.9kg
Height	47mm
Length	306mm
Width	82mm
Body adjustment within cement box	Vertical 5mm, side 10mm, front 10mm, angular 6°
DIN-direction	Left/Right handed double-action doors
Hold-open mode	90°/105°/Non hold-open
In compliance with	EN1154
CE marking for building products	Yes
Fire and smoke protection	Yes

Our service for you:
Here you can see the individual advantages of our floor spring models for your respective fields of business.

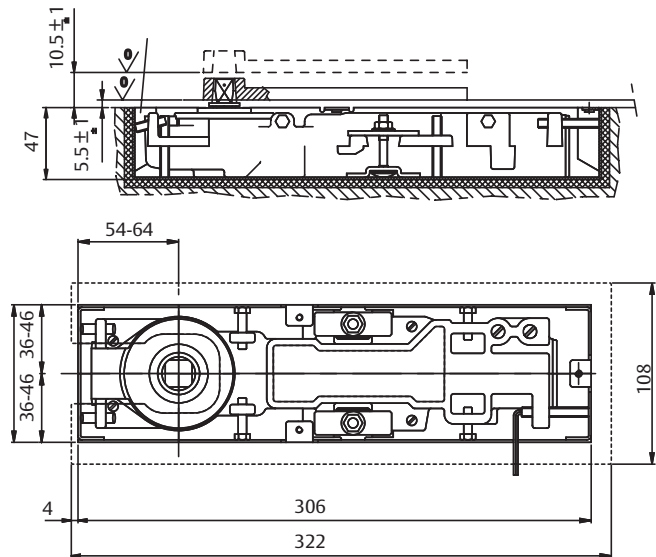
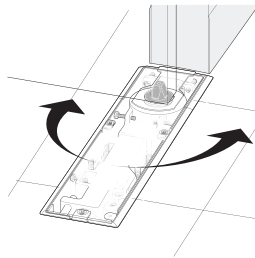
The advantages at a glance:

Customer segment	Advantages
Project planners	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Particularly suitable in case of double-action glass doors - Recommended for thin slabs - Hold-open at 90°, 105° and non hold-open - Variety of available spindles: squared Italian, rectangular German - Architectural finishes: Cover plates and eyelets in Polished Satinless Steel, Satin Satinless Steel, Polished Brass
Builders	<ul style="list-style-type: none"> - Universal for left/right handed and double-action doors - Large range of adjustment within cement box to solve possible alignment problems on the site without taking down the door
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for a large variety of mounting positions
User	<ul style="list-style-type: none"> - Complementary accessories available for the whole product range - Easier door opening and improved accessibility due to rapidly decreasing opening force (Cam Motion®)

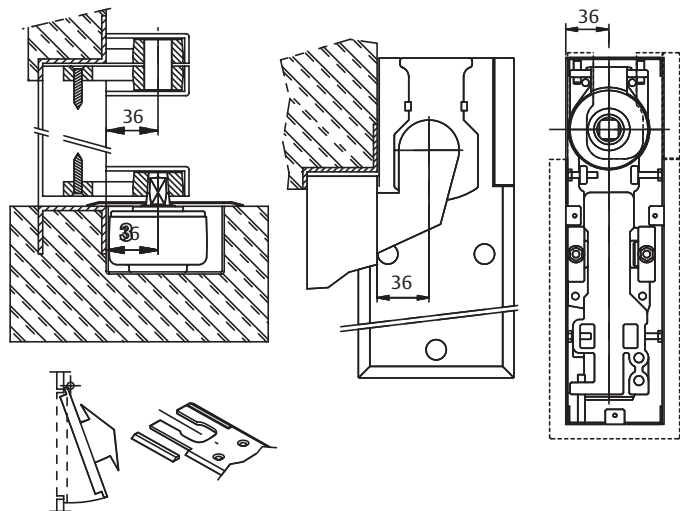
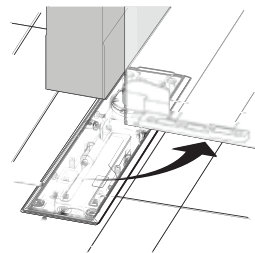
Floor Spring

Dimensional drawings for DC420

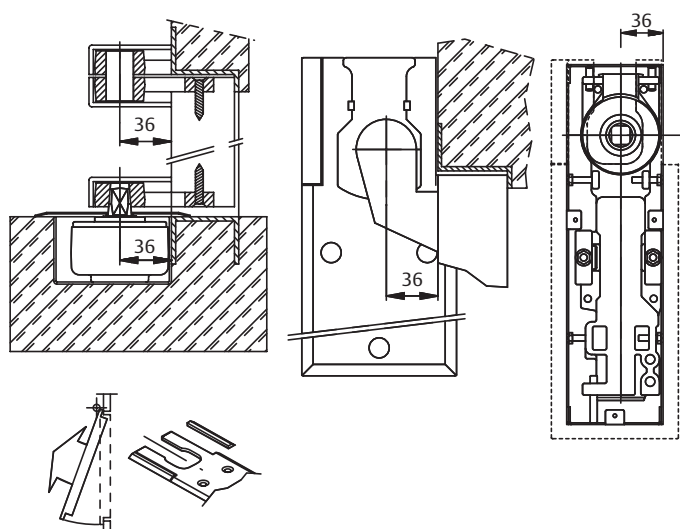
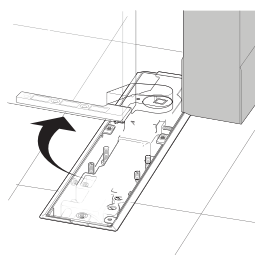
Double-action door mounting



Right-handed door mounting

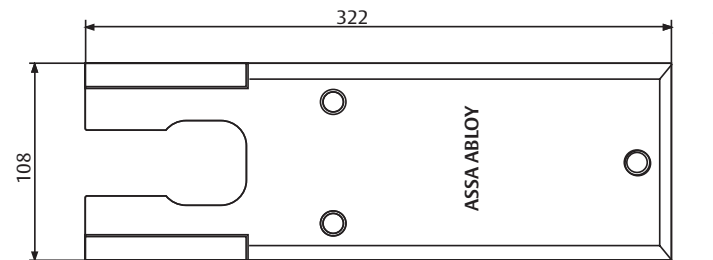


Left-handed door mounting



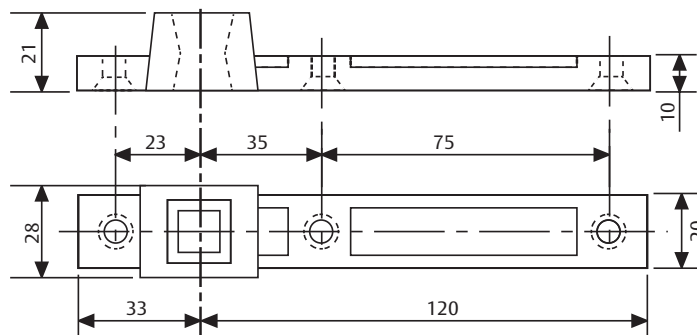
Floor Spring

Accessories for DC420



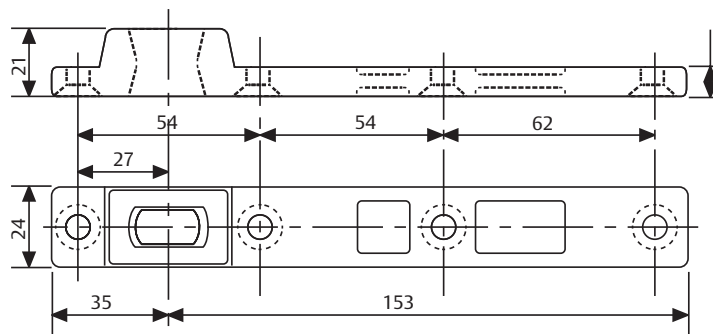
AC307

Available in Satin Stainless Steel, Polished Stainless Steel and Polished Brass.



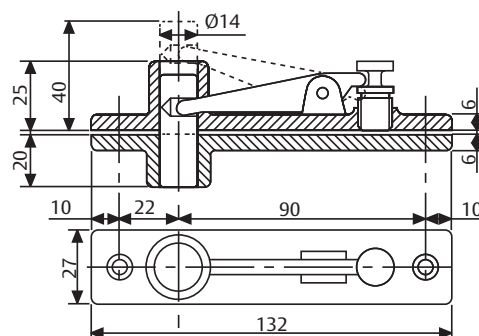
AC115

Reversible bottom arm in steel for double action doors, socket for Italian squared spindle.



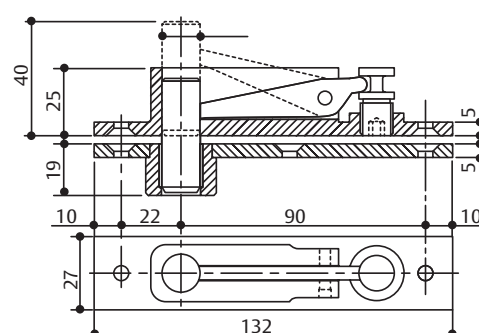
AC393

Reversible bottom arm in steel for double action doors, socket for German rectangular spindle.



AC8

Double action top pivot

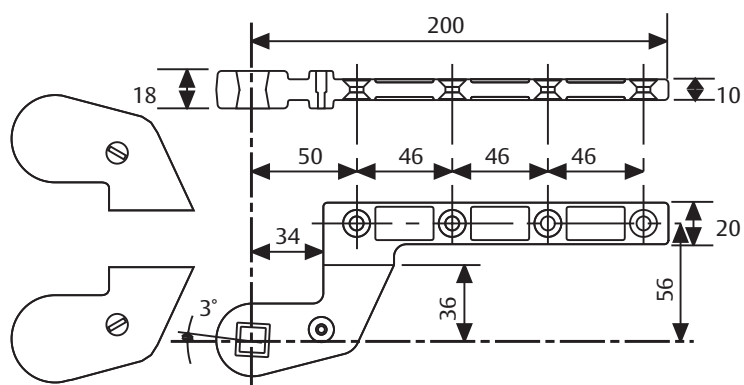


AC375

Double action top pivot in full steel with self-lubricating bushing.

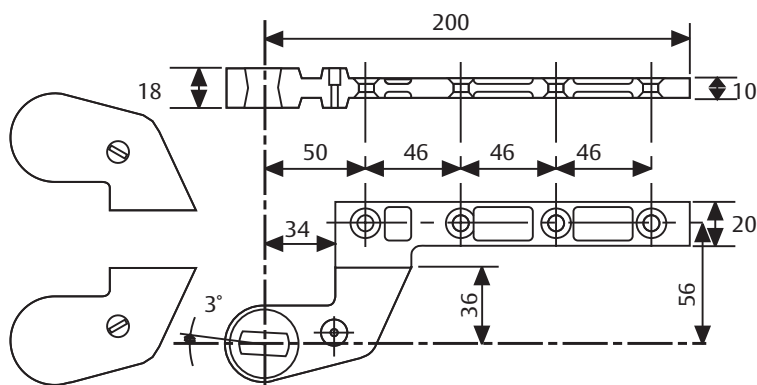
Floor Spring

Accessories for DC420



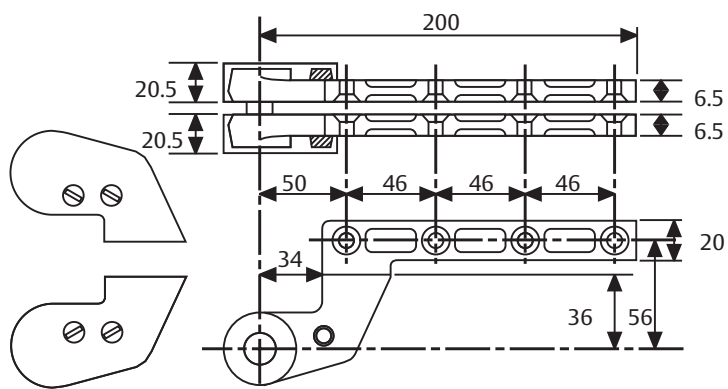
AC583

Right and left bottom arm in steel for single action doors, 36mm offset, socket for Italian squared spindle, Silver or Black painted.



AC392

Right and left bottom arm in steel for single action doors, 36 mm offset, socket for German rectangular spindle, Silver and Black painted ABS covers.

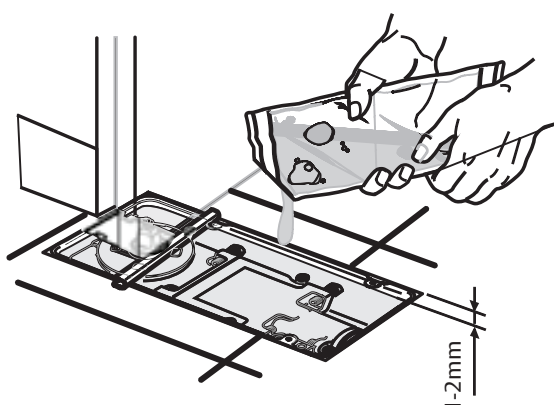


AC384

Right and left top arm in full steel, 36mm offset, Silver or Black painted ABS cover.

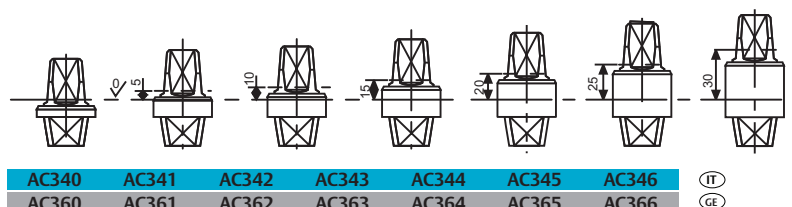
AC612

Sealing compound for floor springs.

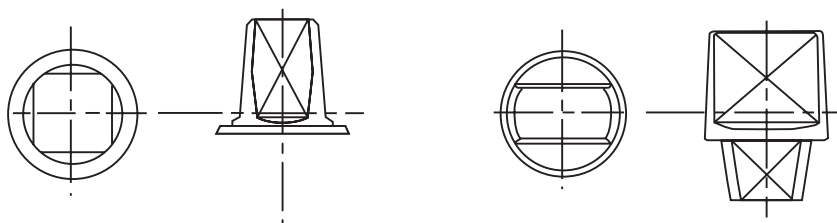


Floor Spring

Accessories and
order placement
information for
DC420



Detachable spindles:
Italian spindle - square
shape (left image)
German spindle - flat-
conical shape
(right image)



You can find the
complete specifica-
tions on the internet
at: www.assaabloy.com, under "Service"
in the support
section.

Specifications for DC420:

- ASSA ABLOY Floor spring DC420 featuring Cam Motion® technology is in compliance with EN1154
- Closing power sizes EN3/4 for doors up to 1100mm wide
 - 1,000,000 cycles tested
 - Closing speed, latching speed adjustable through top regulating valves
 - CE approved
 - 5mm height adjustable within cement box
 - Suitable for left/right handed and double-action doors

Colour:

- ☐ Polished Stainless Steel
- ☐ Satin Stainless Steel
- ☐ Polished Brass

Accessories:

- ☐ AC115 - Reversible bottom arm Italian spindle
- ☐ AC393 - Reversible bottom arm German spindle
- ☐ AC8 - Double action top pivot
- ☐ AC375 - Double action top pivot
- ☐ AC583 - Right and left bottom arm. Socket for Italian square spindle.
- ☐ AC392 - Right & left bottom arm. Socket for German rectangular spindle.
- ☐ AC384 - Top pivot for left or right doors
- ☐ AC612 - Sealing compound for floor springs
- ☐ AC307 - Cover plate

Floor Spring

Ordering details for
DC420

Ordering no.	Product description
DC420 EN3	ASSA ABLOY DC420 Floor spring size 3
DC420 EN4	ASSA ABLOY DC420 Floor spring size 4

ASSA ABLOY Floor Spring DC460

ASSA ABLOY

Floor Spring with Cam Motion® technology and fixed closing force for very thin slabs

ASSA ABLOY DC460:

- Floor spring with fixed closing force for very thin slabs
- In compliance with EN1154, size EN2/3/4
- Suitable for fire and smoke protection doors up to 120kg
- For single and double-action doors up to 120kg

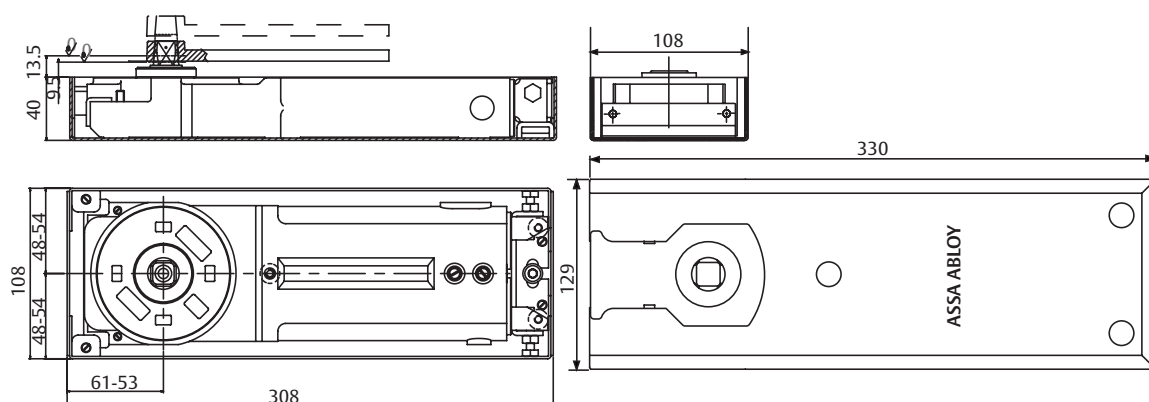


Characteristics of DC460:

- Same dimensions for three bodies according to fix size EN2/EN3/EN4
- Hydraulic control over 130° in both door swing directions
- Adjustable closing speed and latching speed through top regulating valves
- Cast Iron body
- Adjustments in all directions within the cement box
- Cement box is painted black and only 40mm high
- Cover plates and eyelets are made in Polished or Satin Stainless Steel
- Interchangeable spindle from 0 to 30mm
- Available without hold-open or with hold-open angle 90°, 105°

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



All dimensions are in mm

Floor Spring

DC460

Technical details:

Fix closing force	EN2/EN3/EN4
Door width up to	850mm/950mm/1100mm
Door weight up to	120kg
Max. opening angle	130°
Closing speed	Variable between 130°-15°
Latching speed	Variable between 15°- 0°
Back-check	No
Weight	5kg
Height	40mm
Length	308mm
Width	108mm
Body adjustment within cement box	Vertical 4mm, side 6mm, front 8mm, angular 2°
DIN-direction	Left/Right handed double-action doors
Hold-open mode	90°/105°/Non hold-open
In compliance with	EN1154
CE marking for building products	Yes
Fire and smoke protection	Yes

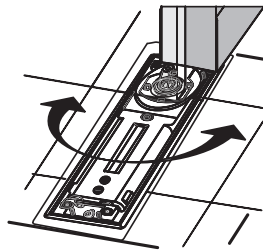
Our service for you:
Here you can see the individual advantages of our floor spring models for your respective fields of business.

The advantages at a glance:

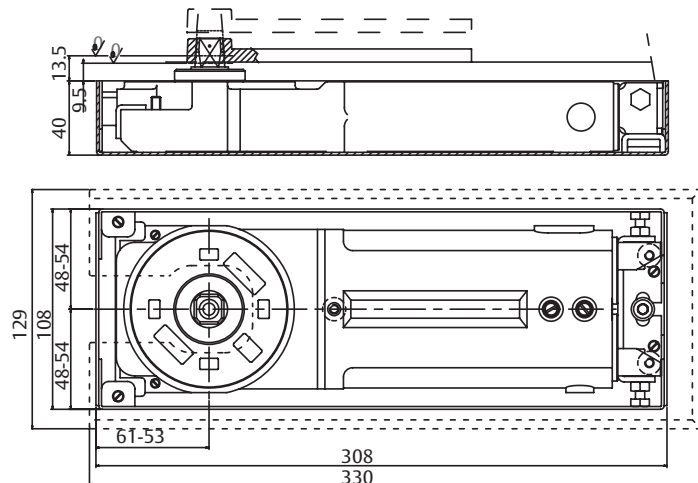
Customer segment	Advantages
Project planners	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Particularly suitable in case of double-action glass doors - Recommended for thin slabs - Hold-open at 90°, 105° and non hold-open - Variety of available spindles: squared Italian, rectangular German - Architectural finishes: Cover plates and eyelets in Polished Satinless Steel, Satin Satinless Steel, Polished Brass
Builders	<ul style="list-style-type: none"> - Universal for left/right handed and double-action doors - Large range of adjustment within cement box to solve possible alignment problems on the site without taking down the door
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for a large variety of mounting positions
User	<ul style="list-style-type: none"> - Complementary accessories available for the whole product range - Easier door opening and improved accessibility due to Cam Motion® technology

Floor Spring

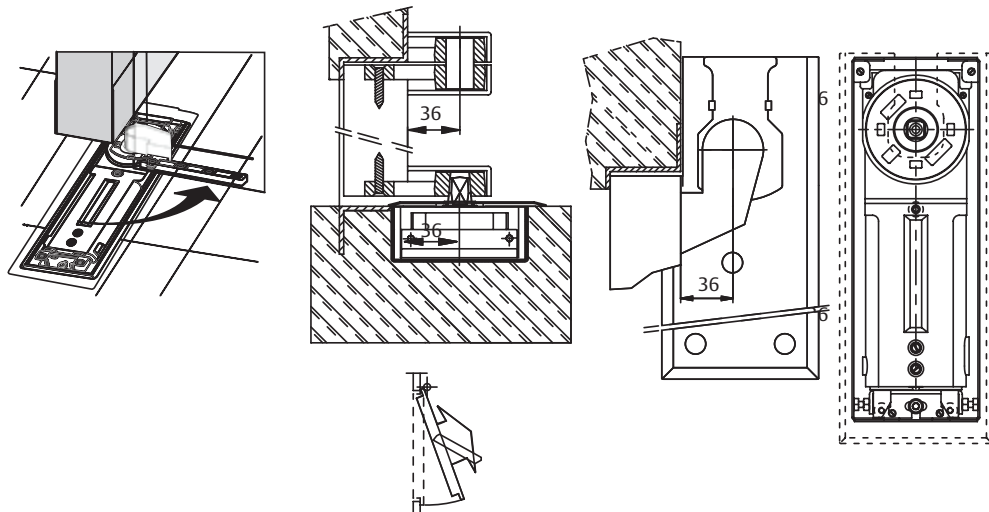
Dimensional drawings for DC460



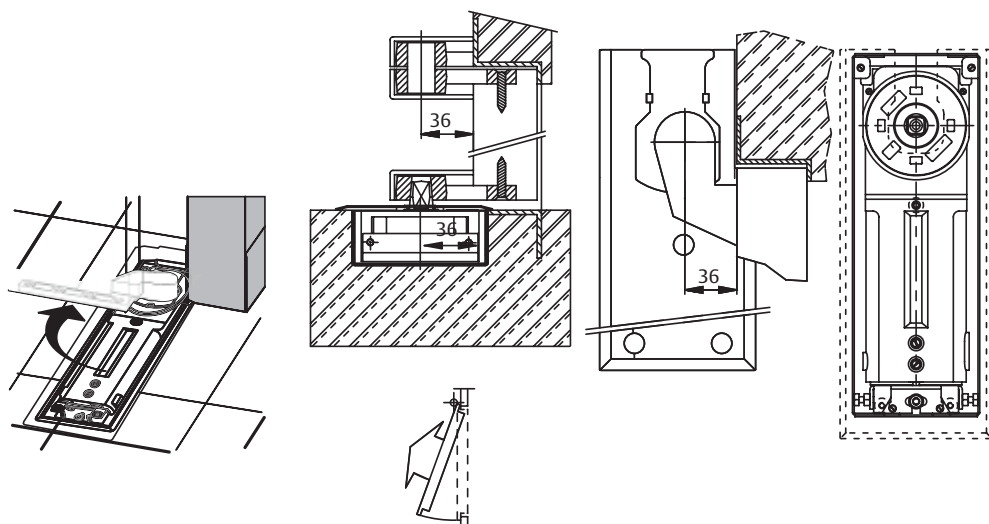
Double-action door mounting



Left-hand door mounting special installation below door frame

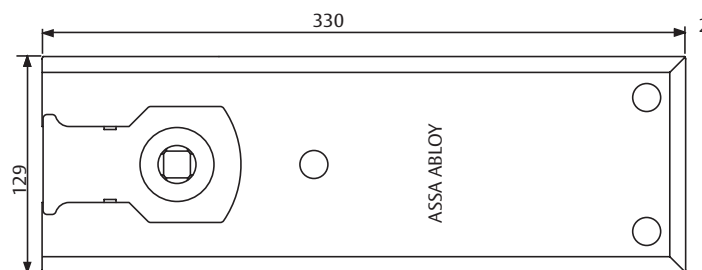


Right-hand door mounting special installation below door frame



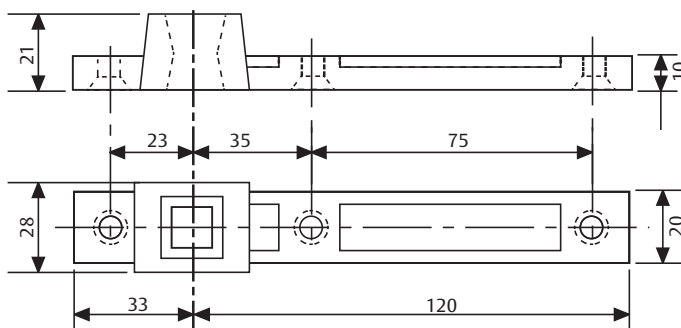
Floor Spring

Accessories for DC460



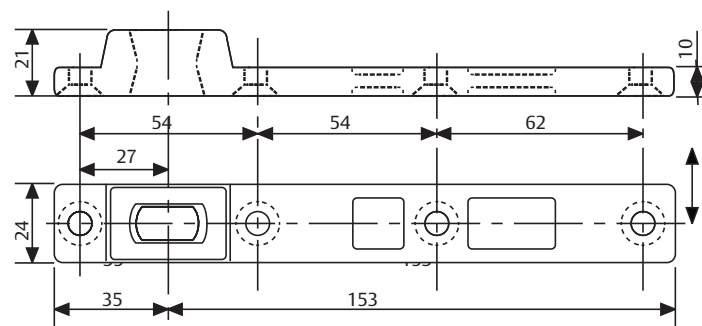
AC616

Available in Satin Stainless Steel, Polished Stainless Steel and Polished Brass.



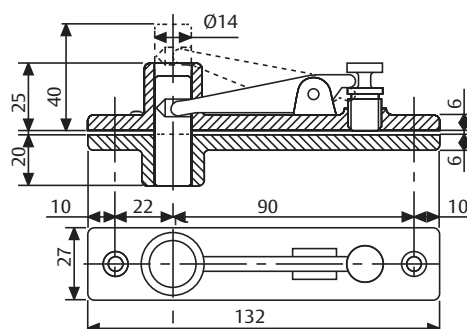
AC115

Reversible bottom arm in steel for double-action doors, socket for Italian squared spindle.



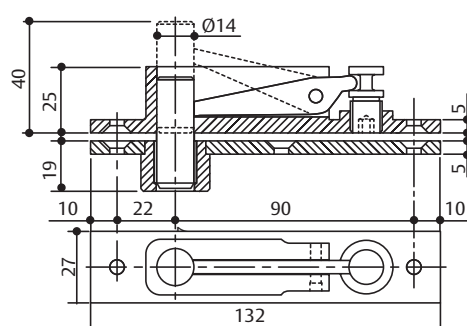
AC393

Reversible bottom arm in steel for double-action doors, socket for German rectangular spindle.



AC8

Double action top pivot

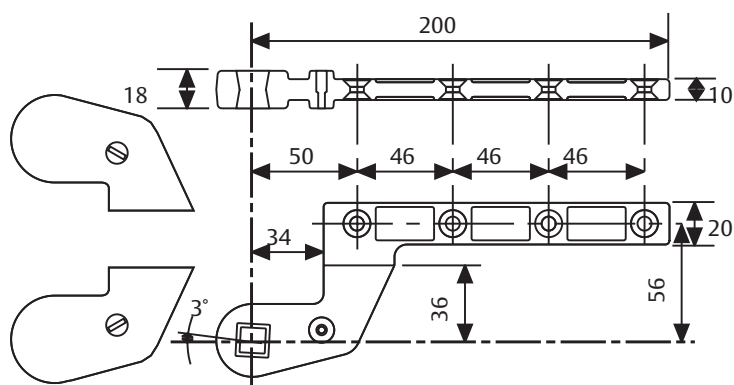


AC375

Double action top pivot in full steel with self-lubricating bushing

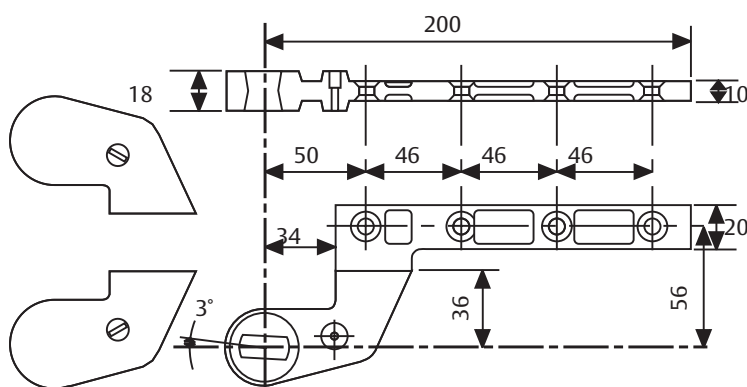
Floor Spring

Accessories for DC460



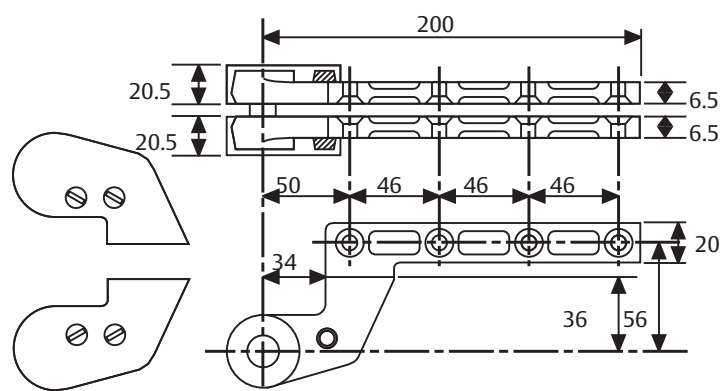
AC583

Right and left bottom arm in steel for single action doors, 36mm offset, socket for Italian square spindle. Silver or Black painted.



AC392

Right and left bottom arm in steel for single action doors, 36 mm offset, socket for German rectangular spindle. Silver and Black painted ABS covers.

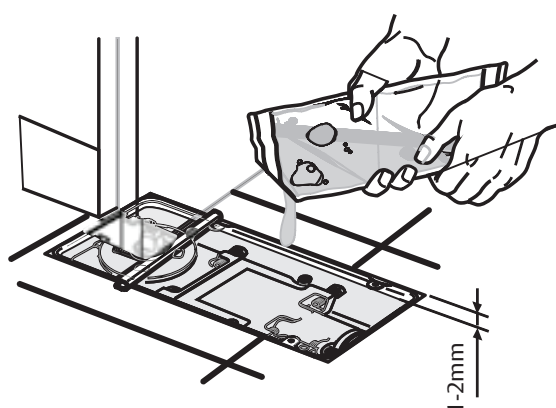


AC384

Right and left top arm in full steel, 36mm offset, Silver or Black painted ABS cover.

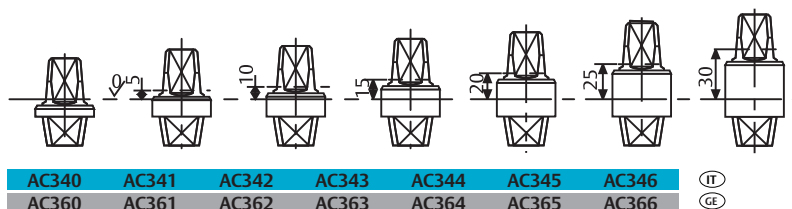
AC612

Sealing compound for floor springs



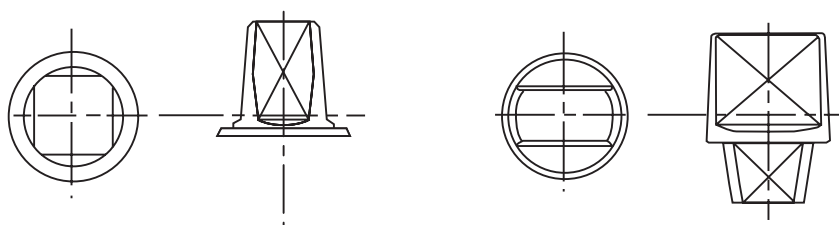
Floor Spring

Accessories and order placement information for DC460



Detachable spindles

Italian spindle - square shape (left image)
German spindle - flat-conical shape (right image)



You can find the complete specifications on the internet at: www.assaabloy.com, under "Service" in the support section.

Specifications for DC460:

ASSA ABLOY Floor spring DC460 featuring Cam Motion® technology is in compliance with EN1154

- Closing power size EN2/3/4 for doors up to 120kg and 1100mm wide
- Closing speed, latching speed adjustable through top regulating valves
- 40mm high cement box
- CE approved
- Suitable for left/right handed and double-action doors

Colour:

- ☐ Polished Satinless Steel
- ☐ Satin Satinless Steel

Accessories:

- ☐ AC115 - Reversible bottom arm Italian spindle
- ☐ AC393 - Reversible bottom arm German spindle
- ☐ AC8 - Double action top pivot
- ☐ AC375 - Double action top pivot
- ☐ AC583 - Right and left bottom arm. Socket for Italian square spindle.
- ☐ AC392 - Right and left bottom arm. Socket for German rectangular spindle.
- ☐ AC384 - Top pivot for left or right doors
- ☐ AC612 - Sealing compound for floor springs
- ☐ AC616 - Cover plate

Ordering details

Ordering no.	Product description
DC460 EN2	ASSA ABLOY DC460 Floor Spring size 2
DC460 EN3	ASSA ABLOY DC460 Floor Spring size 3
DC460 EN4	ASSA ABLOY DC460 Floor Spring size 4

ASSA ABLOY Floor Spring DC450

ASSA ABLOY

Floor Spring with Cam Motion® technology and fixed closing force for very thin slabs

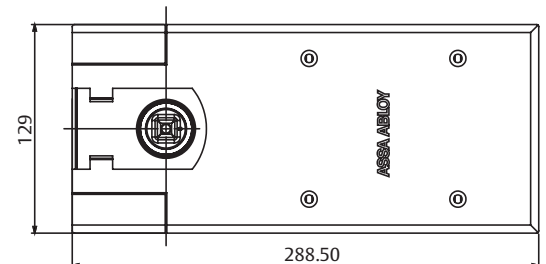
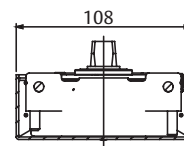
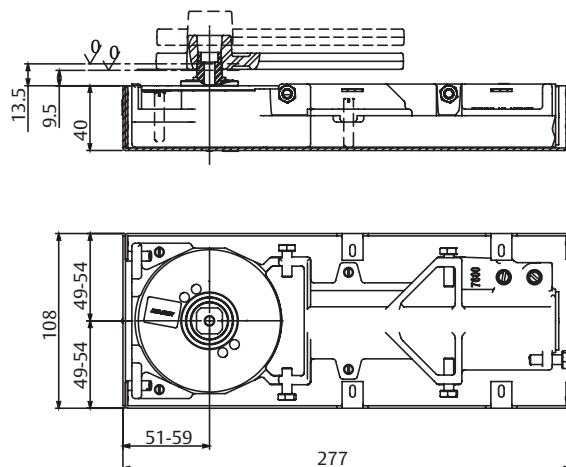
ASSA ABLOY DC450:

- Floor spring with fixed closing force for very thin slabs
- In compliance with EN1154, size EN3/EN4
- Suitable for fire and smoke protection doors
- For single and double-action doors up to 120kg



Characteristics of DC450:

- Same dimensions for two bodies according to fix size EN3/EN4
- Hydraulic control over 130° in both door swing directions
- Adjustable door speed and latching speed through top regulating valves
- Cast Iron body
- Adjustments in all directions within the cement box
- Cement box is hot zinc plated and only 40 mm high
- Cover plates and eyelets are made in Polished or Satin Stainless Steel
- Interchangeable spindle from 0 to 30mm
- Available without hold-open or with hold-open angle 90°, 105°



All dimensions are in mm

Floor Spring

DC450

Technical details:

Fix closing force	EN3/EN4
Door width up to	950mm/1100mm
Door weight up to	120kg
Max. opening angle	130°
Closing speed	Variable between 130°-15°
Latching speed	Variable between 15°- 0°
Back-check	No
Weight	3.8kg
Height	40 mm
Length	277 mm
Width	108 mm
Body adjustment within cement box	Vertical 2mm, side 6mm, front 7mm, angular 4°
DIN-direction	Left/Right handed or double-action
Hold-open mode	90°/105°/Non hold-open
In compliance with	EN1154

Our service for you:
Here you can see the individual advantages of our floor spring models for your respective fields of business.

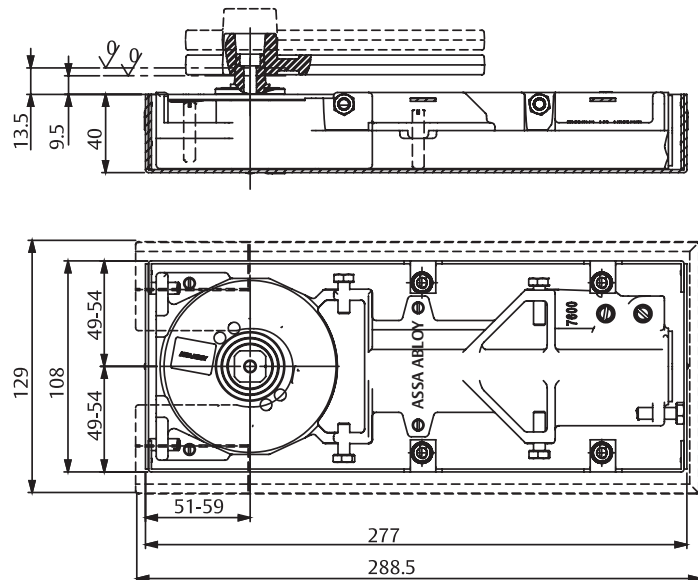
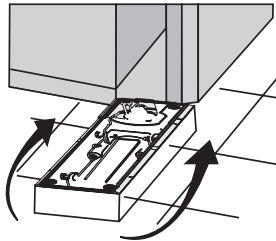
The advantages at a glance:

Customer segment	Advantages
Project planners	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Particularly suitable in case of double-action glass doors - Recommended for thin slabs - Hold-open at 90°, 105° and non hold-open - Variety of available spindles: squared Italian, rectangular German - Architectural finishes: Cover plates and eyelets in Polished Satinless Steel, Satin Satinless Steel, Polished brass
Builders	<ul style="list-style-type: none"> - Universal for left/right handed and double action doors - Large range of adjustment within cement box to solve possible alignment problems on the site without taking down the door
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular products range - One single product suitable for a large variety of mounting positions
User	<ul style="list-style-type: none"> - Complementary accessories available for the whole product range - Easier door opening and improved accessibility due to Cam Motion® technology

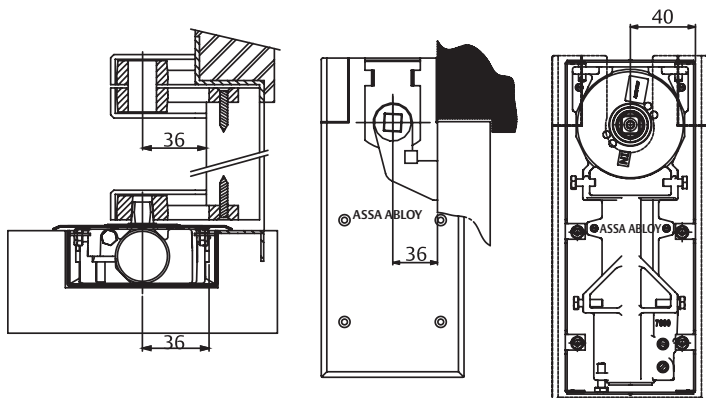
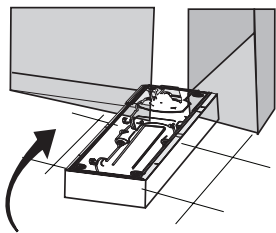
Floor Spring

Dimensional drawings for DC450

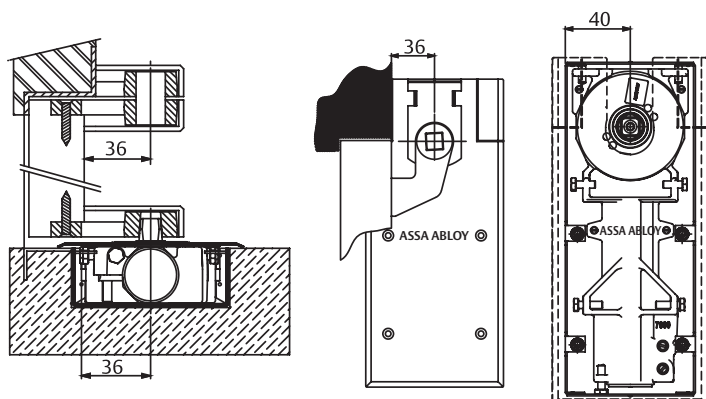
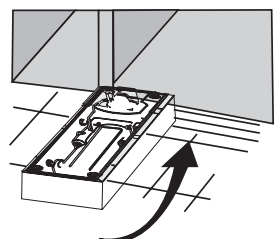
Double-action door mounting



Left-hand door mounting special installation below door frame

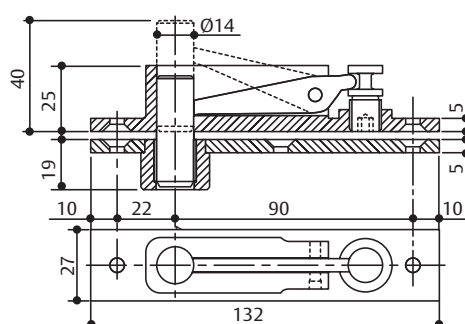
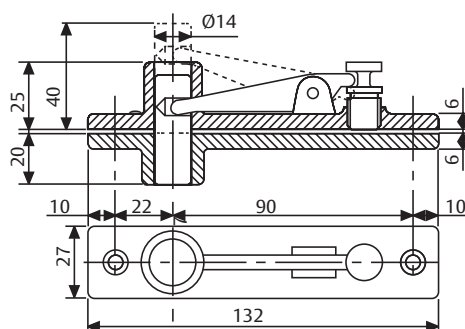
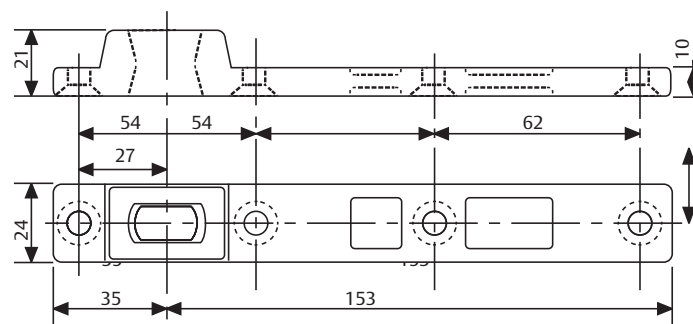
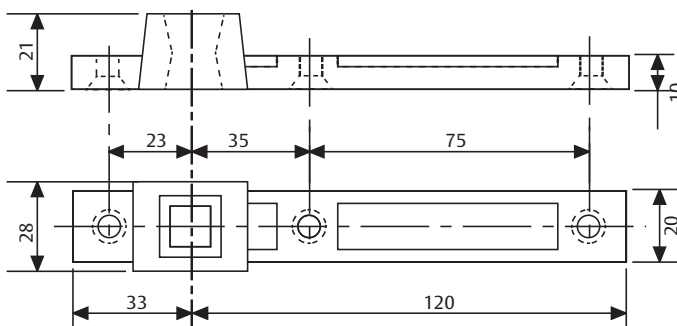
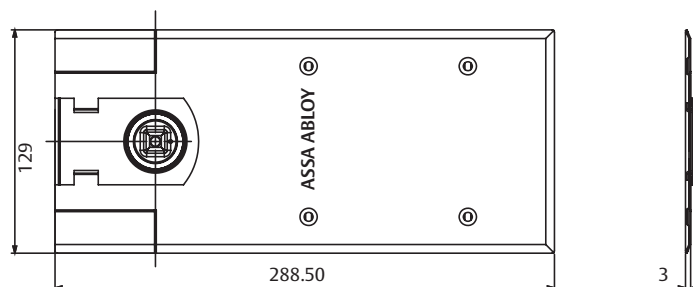


Right-hand door mounting special installation below door frame



Floor Spring

Accessories for DC450



AC619

Available in Satin Stainless Steel, Polished Stainless Steel and Polished Brass.

AC115

Reversible bottom arm in steel for double action doors, socket for Italian squared spindle.

AC393

Reversible bottom arm in steel for double action doors, socket for German rectangular spindle.

AC8

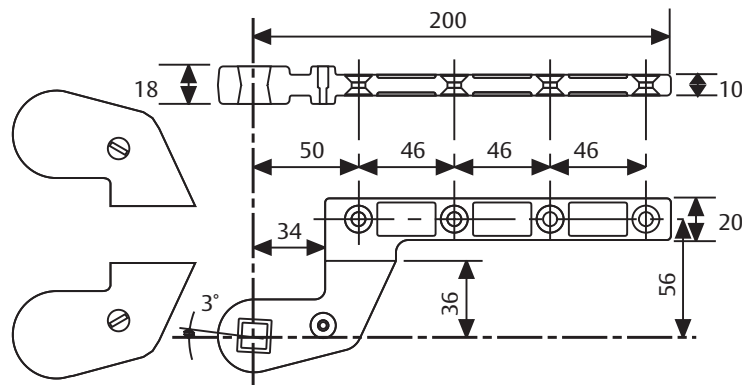
Double-action top pivot

AC375

Double-action top pivot in full steel with self-lubricating bushing

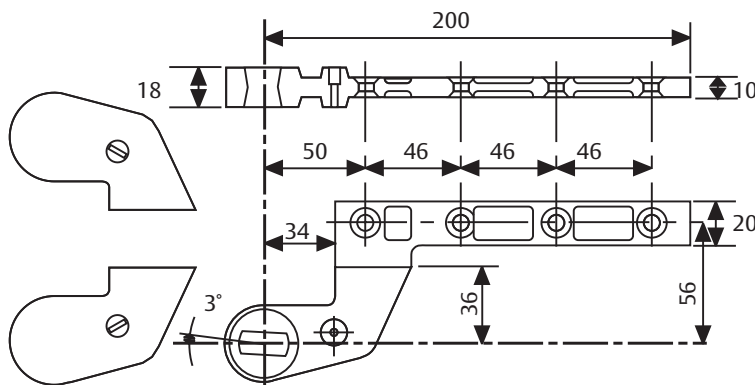
Floor Spring

Accessories and
order placement
information for
DC450



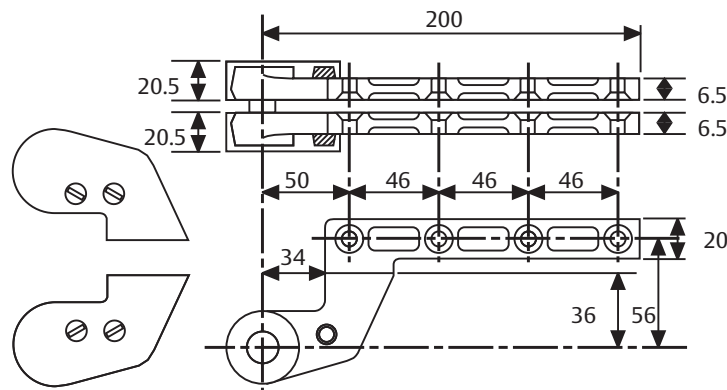
AC583

Right and left bottom arm in steel for single action doors, 36mm offset, socket for Italian square spindle, Silver or Black painted.



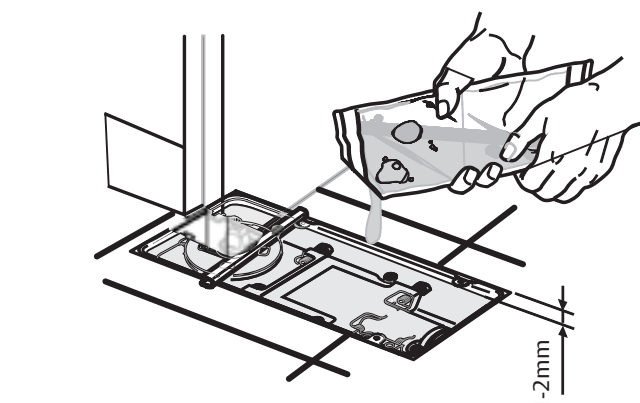
AC392

Right and left bottom arm in steel for single action doors, 36 mm offset, socket for German rectangular spindle, Silver and Black painted ABS covers.



AC384

Right and left top arm in full steel, 36mm offset. Silver or Black painted ABS cover.

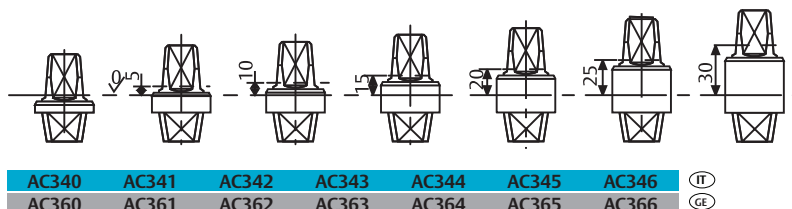


AC612

Sealing compound for floor springs

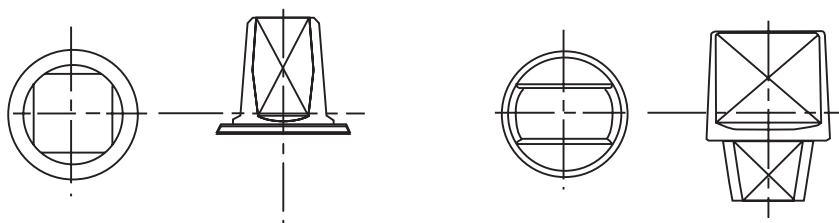
Floor Spring

Accessories and order placement information for DC450



Detachable spindles

Italian spindle - square shape (left image)
German spindle - flat-conical shape (right image)



Floor Spring

Specifications for DC450

Specifications for DC450:

ASSA ABLOY Floor spring DC450 featuring Cam Motion® technology is in compliance with EN1154.

- Closing power size EN3/4 for doors up to 120 kg and 1100mm wide
- Closing speed, latching speed adjustable through top regulating valves
- 40mm high cement box
- Suitable for left/right handed and double-action doors

Colour:

- ☐ Polished Satinless Steel
- ☐ Satin Satinless Steel

Accessories:

- ☐ AC115 - Reversible bottom arm Italian spindle
- ☐ AC393 - Reversible bottom arm German spindle
- ☐ AC8 - Double action top pivot
- ☐ AC375 - Double action top pivot
- ☐ AC583 - Right and left bottom arm. Socket for Italian squared spindle
- ☐ AC392 - Right & left bottom arm. Socket for German rectangular spindle
- ☐ AC384 - Top pivot for left or right doors
- ☐ AC612 - Sealing compound for floor springs
- ☐ AC616 - Cover plate

Floor Spring















Ordering details for DC450


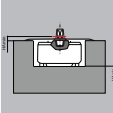
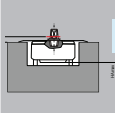
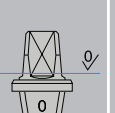
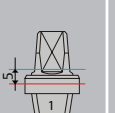
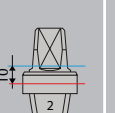
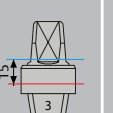
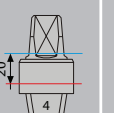
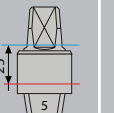
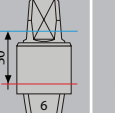

Ordering no.	Product description
DC450 EN3	ASSA ABLOY DC450 Floor Spring size 3
DC450 EN4	ASSA ABLOY DC450 Floor Spring size 4

Ordering matrix and replaceable spindle calculation

ASSA ABLOY

The following table shows the product and accessories overview and enables to select the right accessories for ASSA ABLOY floor springs. The table below shows how to choose the correct replaceable spindle. The distance between the door leaf and the floor can be enlarged if needed by means of various heights of replaceable spindles.

											Cover plate				
Floor Spring	EN Size	Hold open	Article Number	CE		Max. door leaf width	Max door leaf weight	Max opening angle	Double/ Single action	Interior/ Exterior	Polished Brass	Satin Stainless Steel	Polished Stainless Steel	Cealing Compound	
DC450	EN3		DCE7293TS0	CE		≤950mm	120 kg		Single action/ Double action	Interior		DCA0619QR	DCA0619IR	MA0612S0	
		90°	DCE7263TS0												
		105°	DCE7213TS0												
	EN4		DCE7294TS0	CE		≤1100mm									
		90°	DCE7264TS0												
		105°	DCE7214TS0												
DC46	EN2		DCE6092TSW			≤850mm	120 kg		Single action/ Double action	Interior		DCA0616QW	DCA0616IW		
		90°	DCE6062TSW												
		105°	DCE6012TSW												
	EN3		DCE6093TSW	CE		≤950mm				Interior					
		90°	DCE6063TSW												
		105°	DCE6013TSW												
	EN4		DCE6094TSW	CE		≤1100mm				Interior + Exterior					
		90°	DCE6064TSW												
105°		DCE6014TSW													
DC475	EN3-6		DCE7490TSR	CE		≤1400mm	300 kg		Single action/ Double action	Interior + Exterior	DCA0269PR	DCA0269HR	DCA0269IR		
		90°	DCE7460TSR												
		105°	DCE7410TSR												
DC477	EN2-4		DCE7980TSR	CE		≤1100mm	170 kg		Single action/ Double action	Interior + Exterior	DCA0534PR	DCA0534HR	DCA0534IR		
		90°	DCE7960TSR												
		105°	DCE7910TSR												
DC420	EN3		DCE4293TSR	CE		≤950mm	100 kg		Single action/ Double action	Interior	DCA0307PR	DCA0307HR	DCA0307IR		
		90°	DCE4263TSR												
		105°	DCE4213TSR												
	EN4		DCE4294TSR	CE		≤1100mm				Interior + Exterior					
		90°	DCE4264TSR												
		105°	DCE4214TSR												

Floor Spring	HA min	HA max	AC340/ AC360	AC341/ AC361	AC342/ AC362	AC343/ AC363	AC344/ AC364	AC345/ AC365	AC346/ AC366	X		
											X min	X max
DC420	5.5mm	10.5mm	0mm	5mm	10mm	15mm	20mm	25mm	30mm		5.5mm	40.5mm
DC460	9.5mm	13.5mm									9.5mm	43.5mm
DC477	5.5mm	15mm									5.5mm	45mm
DC475	4mm	13.5mm									4mm	43.5mm

Legend:

HA = Height adjustment within the cement box

SH = Spindle Height

X = Floor clearance

Formula Example

$X = HA + SH$ $X = 34.5mm$ Floor Spring = DC420

$34.5mm = (5.5mm \text{ or } 10.5mm) + SH$;

SH max = 29mm AC345/AC365;











SH min = 24.5mm AC344/AC364

HA min = 5.5 HA max = 10.5

Ordering Assistance

ASSA ABLOY

Extended Spindle (0 - 30mm)				
Spindle Type	Square type (Italian)		Flat-conical type (German)	
				
Extension	Name	Art. no.	Name	Art. no.
0mm	AC360	MA0360S0	AC340	MA0340S0
5mm	AC361	MA0361S0	AC341	MA0341S0
10mm	AC362	MA0362S0	AC342	MA0342S0
15mm	AC363	MA0363S0	AC343	MA0343S0
20mm	AC364	MA0364S0	AC344	MA0344S0
25mm	AC365	MA0365S0	AC345	MA0345S0
30mm	AC366	MA0366S0	AC346	MA0346S0

Single/Double Pivot name	TOP PIVOT				BOTTOM PIVOT					
	S. Action	Double Action			Single Action		Double Action			
	A384	A8	A118	A375	AC583	AC392	AC2	AC213	AC115	AC393
										
Material	Steel	Zamac	Zamac	Steel	Steel	Steel	Brass	Steel	Steel	Steel
Adjustment			Adjust-able							
Max. Door Wt.					≤300kg		≤100kg	≤170kg		≤300kg
Spindle type					Square type	Flat-conical	Square type		Flat-conical	
	MA038400 - Silver MA038430 - Black	MA000850	MA011850	MA037550	MA058300 - Silver MA058330 - Black	MA039200 - Silver MA039230 - Black	MA000250	MA021350	MA011550	MA039350

Cover plates in
Polished Brass, Satin
Satinless Steel and
Polished Satinless
Steel:



Floor Spring AF-200F

ASSA ABLOY

Floor Spring

AF-200F

ASSA ABLOY AF-200F:

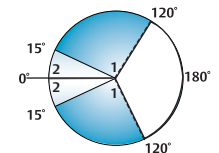
- Floor spring with fixed closing force for very thin slab
- Certified EN1154, size EN3
- 5,00,000 cycles tested
- Suitable for fire and smoke protection doors
- Maximum door weight 120 kg

Characteristics of AF-200F:

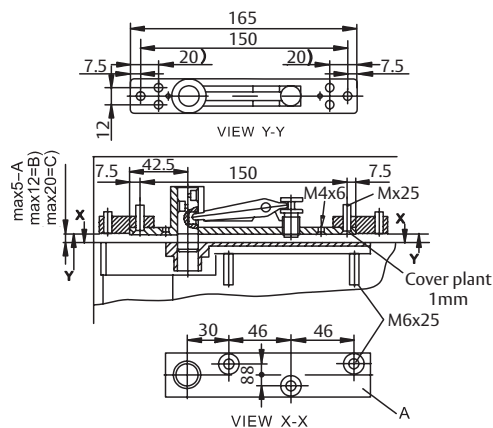
- CE Mark product
- Easy installation with thin body design
- Closing speed adjustable (1) - 120° - 15°
- Latching speed (2) - 15° - 0°
- Standard 90° hold-open, optional - Non hold-open
- Maximum door weight 120kg
- Suitable for wooden/glass/Aluminium profile doors application
- Body adjustable inside cement box with height up to 4mm, width up to 5mm, length up to 7mm



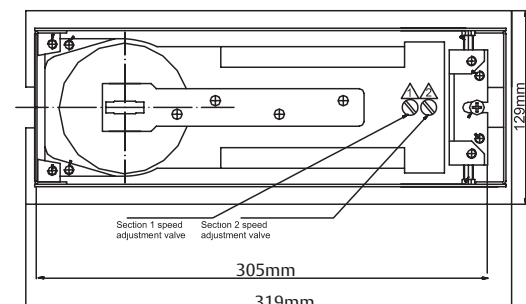
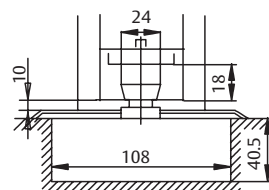
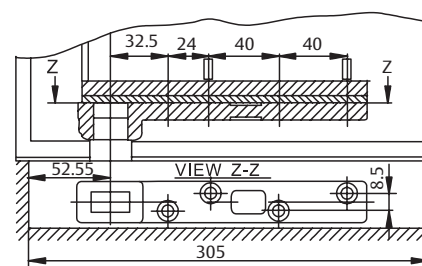
CE	ASSA ABLOY Asia Pacific Limited, Flat/RM 1901 Tower 3, 19/F Hongkong 33 Canton Road, Tsim Sha Tsui KL				15 18	
	0359-CPR-00370	EN 1154:1996+A1:2002	3	8	3	1



Top of door frame



Bottom of door frame



Floor Spring

Technical details for AF-200F

Technical details:

Fixed closing force	EN3
Door width up to	950mm
Door weight up to	120 kg
Max. opening angle	120°
Closing speed	Variable between 120°-15°
Latching speed	Variable between 15°- 0°
Back-check	No
Height	40.5mm
Length	319mm
Width	108mm
Body adjustment within cement box	Body adjustable inside cement box with height up to 4mm, width up to 5mm, length up to 7mm
DIN-direction	Left/Right handed doors or double action
Hold-open mode	90,° Non hold-open
In compliance with	EN1154
CE Marking for building products	Yes
Fire and smoke protection	Yes

Our service for you:

Here you can see the individual advantages of our floor spring models for your respective fields of business.

The advantages at a glance:

Customer segment	Advantages
Project planners	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Particularly suitable in case of double-action glass doors - Recommended for thin slabs - Hold-open at 90° and non hold-open - Available with high quality rectangular German spindle - Architectural finishes: Satin Satinless Steel
Builders	<ul style="list-style-type: none"> - Universal for left/right handed and double-action doors
Trade	<ul style="list-style-type: none"> - Large range of adjustment within cement box to solve possible alignment problems on the site without taking down the door - Reduced inventory costs due to modular product range
User	<ul style="list-style-type: none"> - One single product suitable for a large variety of mounting positions - Complementary accessories available for the whole product range - Easier door opening and improved accessibility due to Cam Motion® technology

Floor Spring AF-224P

ASSA ABLOY

Floor Spring

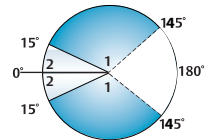
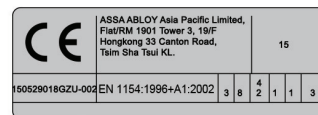
AF-224P

ASSA ABLOY AF-224P:

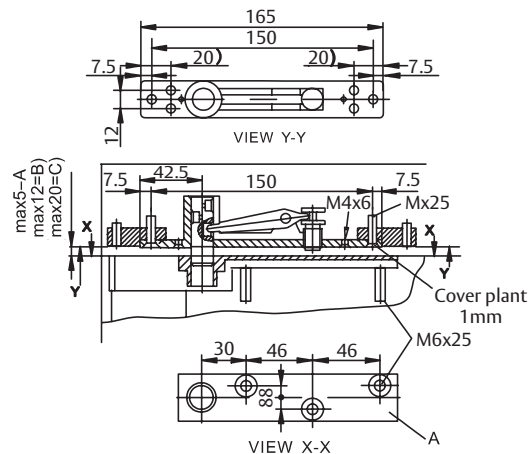
- Floor spring with adjustable closing force for very thin slab
- Certified EN1154, size EN2-4
- 5,00,000 cycles tested
- Suitable for fire and smoke protection doors
- Maximum door weight 150kg

Characteristics of AF-224P:

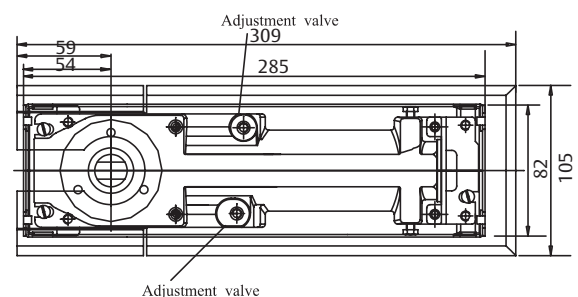
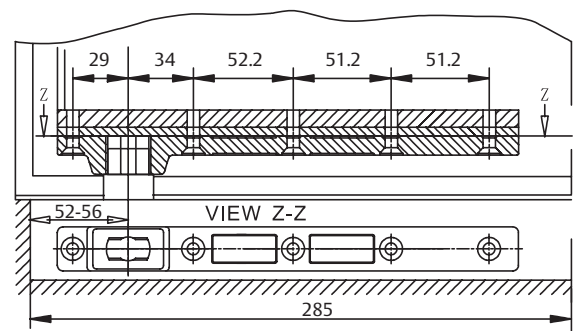
- CE Mark product
- Easy installation with thin body design
- Closing speed adjustable (1) - 145° - 15°
- Latching speed (2) - 15° - 0°
- Standard 90° hold-open, optional - Non hold-open
- Maximum door weight 150 kg
- Suitable for wooden/glass/aluminium profile doors application
- Body adjustable inside cement box with height up to 4mm, width up to 4mm, length up to 4mm



Top of door frame



Bottom of door



Floor Spring

Technical details for AF-224P

Technical details:

Adjustable closing force	EN2-4
Door width up to	850mm -1100mm
Door weight up to	150 kg
Max. opening angle	145°
Closing speed	Variable between 145°-15°
Latching speed	Variable between 15°- 0°
Back-check	No
Height	49.5mm
Length	309mm
Width	82mm
Body adjustment within cement box	Body adjustable inside cement box with height up to 4mm, width up to 4mm, length up to 4mm
DIN-direction	Left/Right handed or double action
Hold-open mode	90,° Non hold-open
In compliance with	EN1154
CE Marking for building products	Yes
Fire and smoke protection	Yes

Our service for you:
Here you can see the individual advantages of our floor spring models for your respective fields of business.

The advantages at a glance:

Customer segment	Advantages
Project planners	<ul style="list-style-type: none"> - Extensive range of uses: Fire and smoke protection doors as well as standard doors - Particularly suitable in case of double-action glass doors - Recommended for thin slabs - Hold-open at 90° and non hold-open - Available with high quality rectangular German spindle - Architectural finishes: Satin Satinless Steel - Universal for left/right handed and double-action doors
Builders	<ul style="list-style-type: none"> - Large range of adjustment within cement box to solve possible alignment problems on the site without taking down the door
Trade	<ul style="list-style-type: none"> - Reduced inventory costs due to modular product range - One single product suitable for a large variety of mounting positions - Complementary accessories available for the whole product range
User	<ul style="list-style-type: none"> - Easier door opening and improved accessibility due to Cam Motion® technology

Floor Spring Accessories

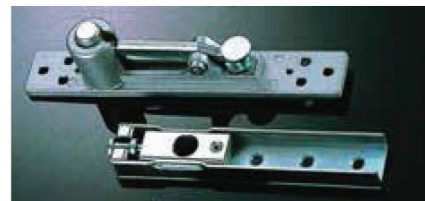
AC200F-TP
AC224P-TP

Model no.: AC200F-TP

Description: Top Pivot (Iron - double action) for AC200F

Model no.: AC224P-TP

Description: Top Pivot (Iron - double action) for AF-224P



Floor Spring Accessories

AC200FA/B-C
ACC224PA/B-C

Model no.: AC200FA/B-C

Description: Top Pivot & Bottom Arm (Iron - double action), Standard parts for AF-200F

Model no.: ACC224PA/B-C

Description: Top Pivot & Bottom Arm (Iron - double action), Standard parts for AF-224P



Floor Spring Accessories

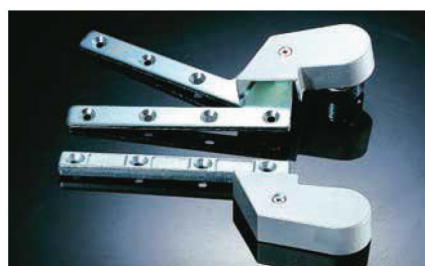
AC200FA/B-O
ACC224PA/B-O

Model no.: AC200FA/B-OR, AC200FA/B-OL

Description: Top Pivot & Bottom Arm (Iron - single action), Standard parts for AF-200F

Model no.: ACC224PA/B-OR, ACC224PA/B-OL

Description: Top Pivot & Bottom Arm (Iron - single action), Standard parts for AF-224P



ASSA ABLOY Floor Spring AF503 Series

ASSA ABLOY

Floor Spring with Cam Motion® technology and fixed closing force for very thin slabs

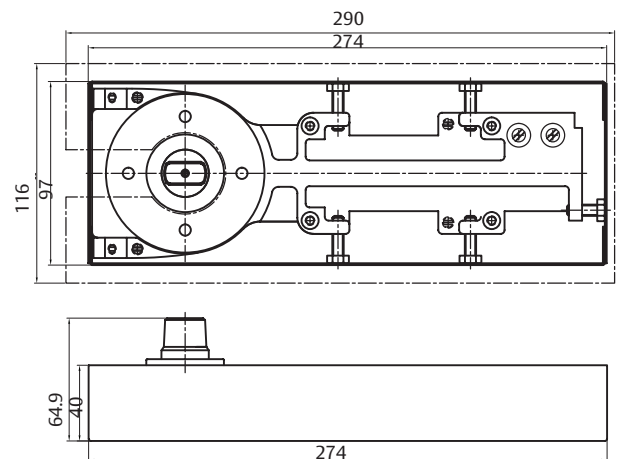
ASSA ABLOY AF503:

- Floor spring with double action
- Floor spring with power fixed size 3
- Maximum door weight 105kg



Characteristics of AF503:

- Double action floor spring
- Cast iron body
- Dual valve adjusting, closing and latching speed
- Maximum opening angle in each direction of 130°
- Applicable for timber, glass and aluminum door
- Power fixed size 3
- Standard spindle included is 10mm
- Hot zinc plated steel
- Satin stainless steel (standard) - US32D
- Optional Polished stainless steel - US32
- Adjustment within cement box
- Height 4mm adjustment
- Width 5mm adjustment
- Left to right 6mm adjustment
- Max. weight of door: 105kg



Floor Spring

AF503

Technical attributes:

	Size 3
Fixed closing force	19 N -m
Door width up to	950mm
Door weight up to	105kg
Max. opening angle	130°
Hold open	90°
Closing speed adjustment	Speed 1 (130° - 15°), Speed 2 (15° - 0°)
Removable spindle	Fixed
Applicable temperature	-15°C to 45°C
Applicability	Wooden, glass & aluminium door etc. Non-handed
Weight (kg)	4.5
Dimension of cement Box (mm) Length	274
Width	97
Height	40

ASSA ABLOY Floor Spring AF600 Series

ASSA ABLOY

Floor Spring with Cam Motion® technology and fixed closing force for very thin slabs

- Floor spring with double action
- Floor spring with power fixed size 3/4
- Maximum door weight 150kg

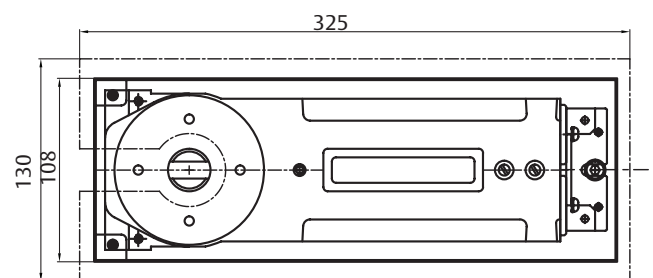


Characteristics of AF600 Series:

- Double action floor spring
- Cast iron body
- Dual valve adjusting, closing and latching speed
- Maximum opening angle in each direction of 130°
- Applicable for timber, glass and aluminum door
- Power fixed size 3/4
- Standard spindle included is 10mm
- Hot zinc plated steel
- Satin stainless steel (Standard) - US32D
- Optional Polished stainless steel - US32
- Adjustment within cement box
- Height 4mm adjustment
- Width 6mm adjustment
- Left to right 10mm adjustment
- Max. weight of door: 150kg



EN 1154



Floor Spring

AF600 Series

Technical details:

	AF603	AF604
Fixed closing force	19 N-m	31 N-m
Door width up to	950mm	1100mm
Fire and smoke protection	Yes	
Door weight (max. in kg)	105	150
Hold open 90°	Yes	
Maximum door opening angle	130°	
Closing speed adjustment	Speed 1 (130° - 15°), Speed 2 (15° - 0°)	
Removable spindle	Fixed	
Applicable temperature	-15°C to 45°	
Applicability	Wooden, glass & aluminium door etc. Non-handed	
Weight (kg)	6	
Dimension of cement Box (mm) Length	308mm	
Width	108mm	
Height	40mm	



Patch Fittings

ASSA ABLOY

The global leader in
door opening solutions

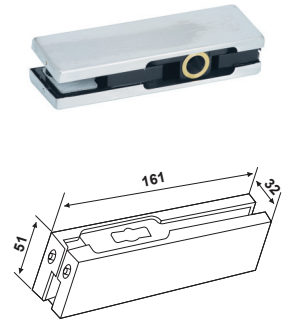
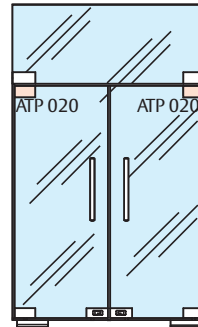
Patch Fitting Range

Top door patch to suit 15mm pivot

Model no.: ATP - 020

Part description: ASSA ABLOY top door patch to suit 15mm pivot

Finish: Satin Satinless Steel - US32D
Polished Satinless Steel - US32



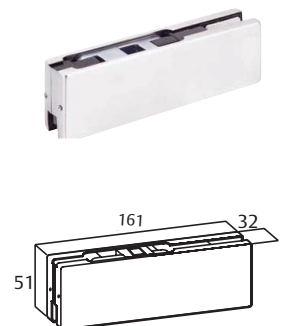
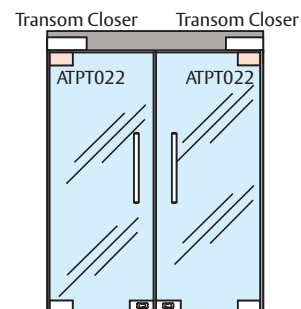
Patch Fitting Range

Top patch to suit transom closer

Model no.: ATPT - 022

Part description: ATPT - 022 ASSA ABLOY top patch to suit transom closer (side load)

Finish: SSS - Satin Satinless Steel - US32D



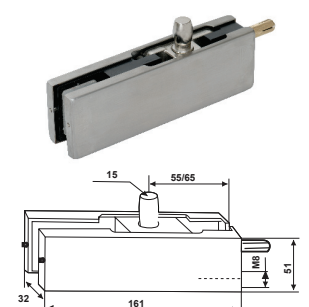
Patch Fitting Range

Top patch for over panel with 15mm pivot

Model no.: ATPO - 030

Description: ATPO - 030 ASSA ABLOY top patch for over panel with 15mm pivot without plate

Finish: SSS - Satin Satinless Steel



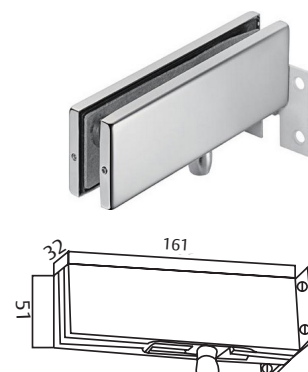
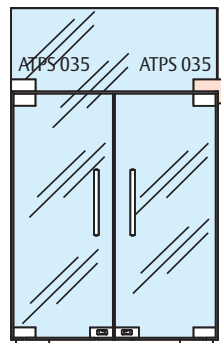
Patch Fitting Range

Over panel patch with
15mm pivot with
fixing plate

Model no.: ATPS - 035

Description: ASSA ABLOY over panel patch with 15mm pivot with fixing plate

Finish: Satin Satinless Steel - US32D
Polished Satinless Steel - US32



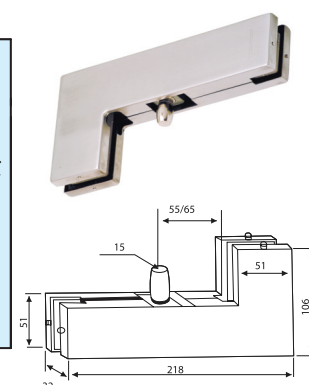
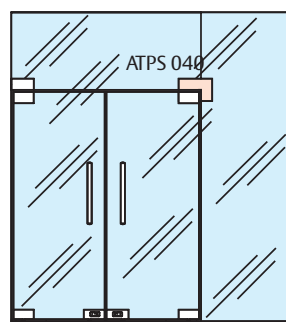
Patch Fitting Range

Top patch for over and
side panel with 15mm
pivot

Model no.: ATPS - 040

Description: ASSA ABLOY top patch for over and side panel with 15mm pivot

Finish: Satin Satinless Steel - US32D
Polished Satinless Steel - US32



Patch Fitting Range

Patch for over panels,
side panel with fin
fitting (handed left
or right)

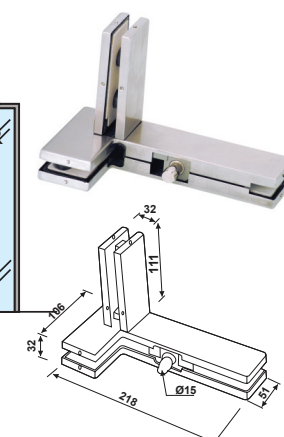
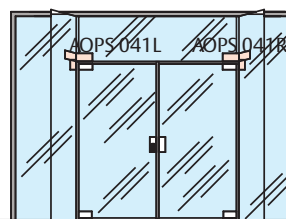
Model no.: AOPS - 041L

Description: ASSA ABLOY Patch for over panel, side panel with fin fitting left handed

Model no.: AOPS - 41R

Description: ASSA ABLOY Patch for over panel, side panel with fin fitting right handed

Finish: Satin Satinless Steel - US32D
Polished Satinless Steel - US32



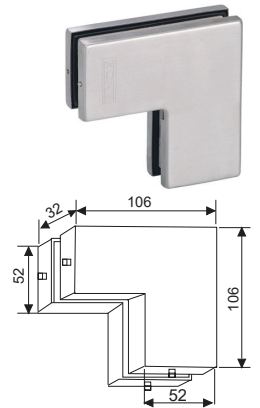
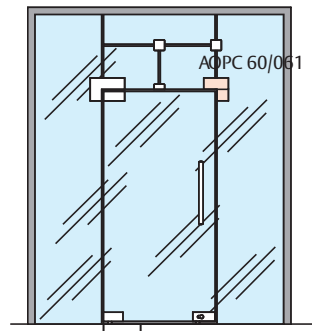
Patch Fitting Range

Connector for over
and side panel patch

Model no.: AOPC - 060

Description: ASSA ABLOY Connector for over panel and side panel for double or single swing doors (with stop)

Finish: Satin Satinless Steel - US32D
Polished Satinless Steel - US32



Model no.: AOPC - 061

Description: ASSA ABLOY over panel and side panel for double or single swing doors

Finish: Satin Satinless Steel - US32D
Polished Satinless Steel - US32

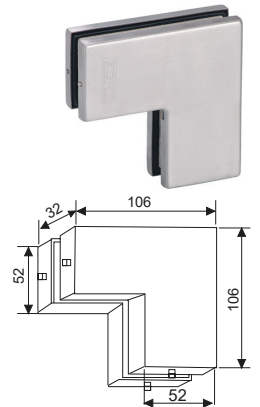
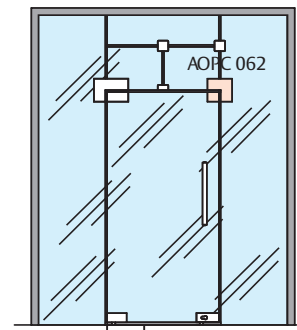
Patch Fitting Range

Connector for over
panel and side panel
with stop

Model no.: AOPC - 062

Description: AOPC - 062 ASSA ABOY Connector for over panel and side panel with stop

Finish: Satin Satinless Steel - US32D
Polished Satinless Steel - US32



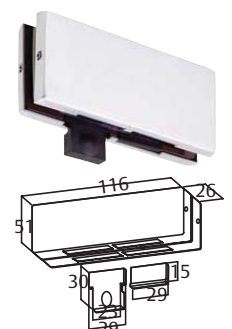
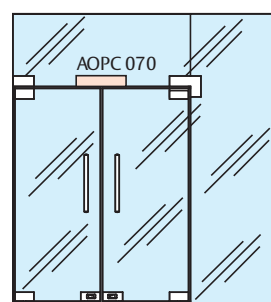
Patch Fitting Range

Over panel connector
with stop inserts

Model no.: AOPC - 070

Description: AOPC - 070 ASSA ABLOY over panel connector with stop inserts

Finish: Satin Satinless Steel - US32D



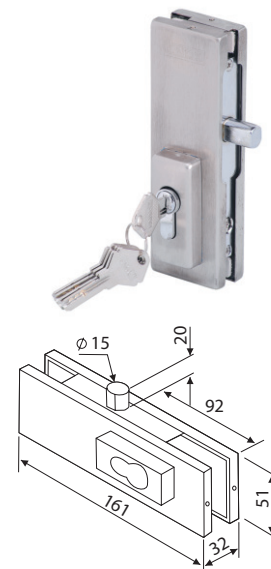
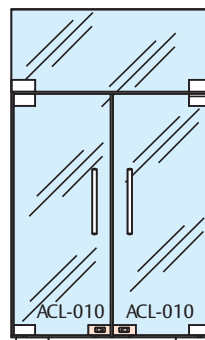
Patch Fitting Range

Corner lock suits euro profile cylinder

Model no.: ACL - 010

Description: **ACL - 010** ASSA ABLOY corner lock suits euro profile cylinder - Bolt has 20mm projection - C4 Keying

Finish: SSS - Satin Satinless Steel
* Euro profile cylinder included



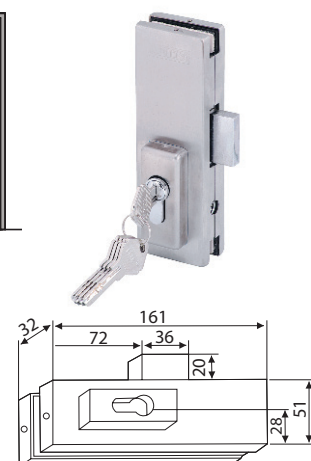
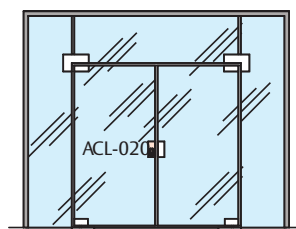
Patch Fitting Range

Centre lock suits euro profile cylinder

Model no.: ACL - 020

Description: **ACL - 020** ASSA ABLOY centre lock suits euro profile cylinder - Bolt has 20mm projection - C4 Keying

Finish: SSS - Satin Satinless Steel
* Euro profile cylinder included



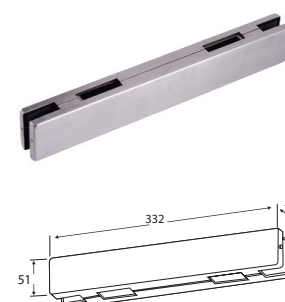
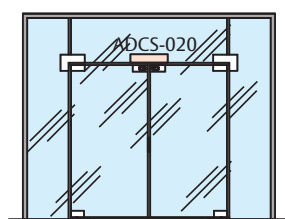
Patch Fitting Range

Double over panel strike box

Model no.: ADCS - 020

Description: **ADCS - 020** ASSA ABLOY double over panel strike box SSS (Suits **ACL-010** Corner locks)

Finish: SSS - Satin Satinless Steel



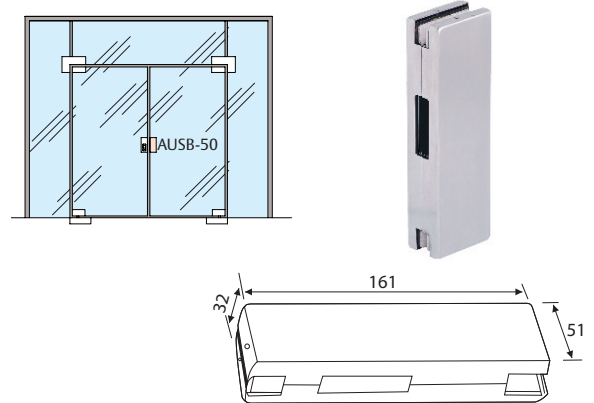
Patch Fitting Range

Universal strike box

Model no.: *AUSB - 050*

Description: *AUSB - 050* ASSA ABLOY universal strike box (Suits **ACL-020** central locks)

Finish: SSS - Satin Satinless Steel



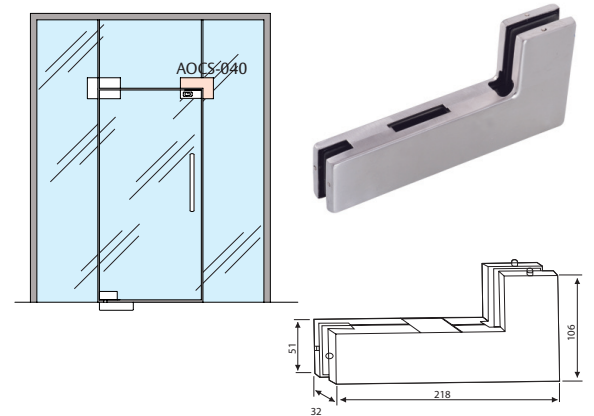
Patch Fitting Range

Corner over and side panel strike box

Model no.: *AOCS - 040*

Description: *AOCS - 040* ASSA ABLOY corner over and side panel strike box (Suits **ACL-010** corner locks)

Finish: SSS - Satin Satinless Steel



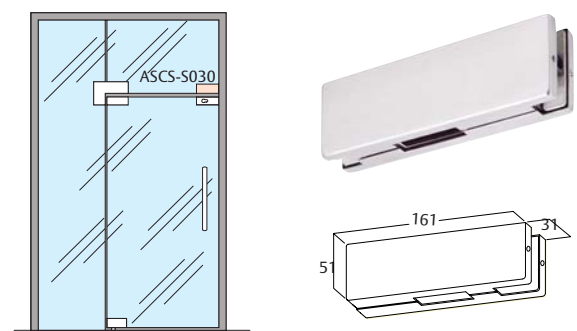
Patch Fitting Range

Single over panel strike box

Model no.: *ASCS - 030*

Description: *ASCS - 030* ASSA ABLOY Single over panel strike box SSS (Suits **ACL-010** corner locks)

Finish: SSS - Satin Satinless Steel

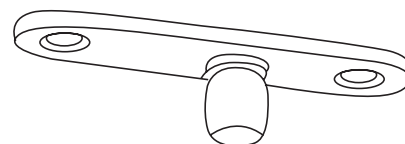


Patch Fitting Range

Accessories Top pivot

Model no.: ATLG 502-15

Description: ASSA ABLOY top pivot 15mm dia suitable for wooden, metal, aluminium frame

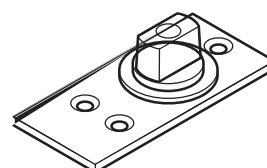


Patch Fitting Range

Accessories Bottom pivot

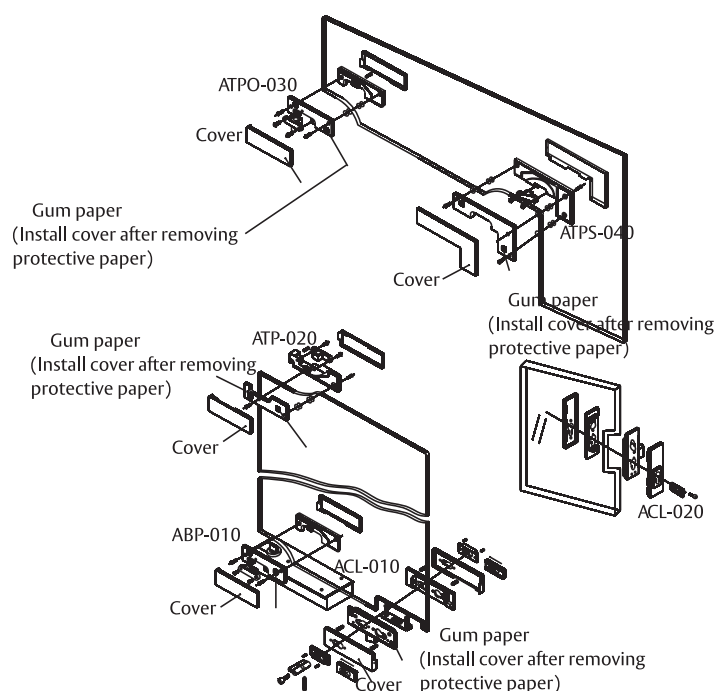
Model no.: 985-35

Description: 985-35 ASSA ABLOY heavy duty bottom pivot. (200kg door maximum)
Suits P010 - Bottom door patch and bottom strap for wooden door



Patch Fitting Range

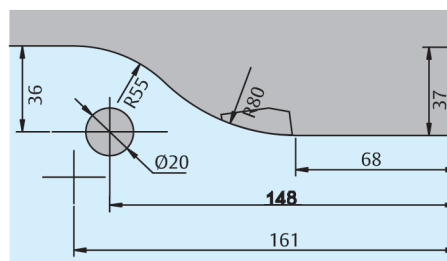
Typical installation details



Patch Fitting Range

Glass cutout details
Note: Not to scale

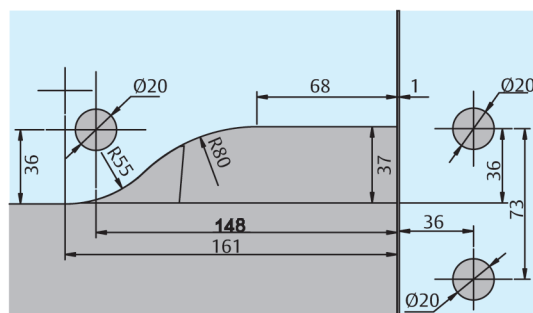
Model no.: ABP-010, ATP-020, ATPO-030 Top bottom and over panel patch cutout



Patch Fitting Range

Glass cutout details
Note: Not to scale

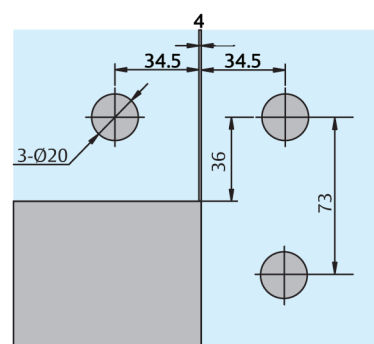
Model no.: ATPS-040 Over panel and side panel with 15mm pivot glass cutout



Patch Fitting Range

Typical installation
details
Note: Not to scale

Model no.: AOPC-060, AOPC-061, AOPC-062 Connector for over panel with insert glass cutout



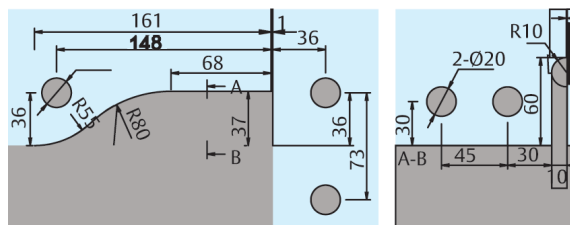
Patch Fittings

ASSA ABLOY

Patch Fitting Range

Glass cutout details
Note: Not to scale

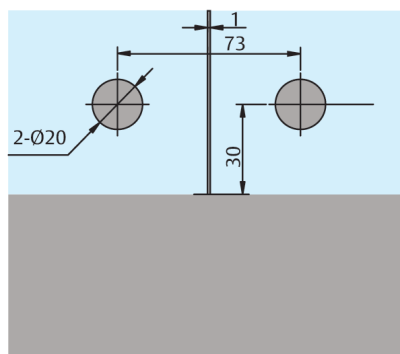
Model no.: AOPS-041L/041R Corner patch with reinforcing fin right/left hand glass cutout



Patch Fitting Range

Glass cutout details
Note: Not to scale

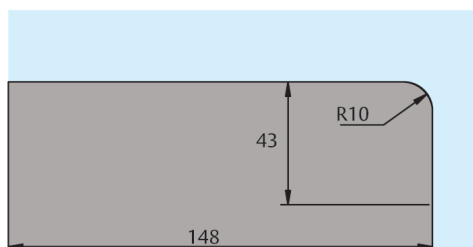
Model no.: AOPC-070 Over panel connector



Patch Fitting Range

Typical installation
details
Note: Not to scale

Model no.: ACL-010 Corner lock glass cutout

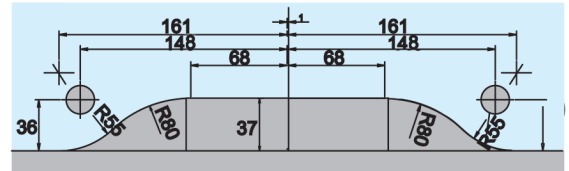


Patch Fitting Range

Glass cutout details

Note: Not to scale

Model no.: ADCS-020 Double over panel strike box glass cutout

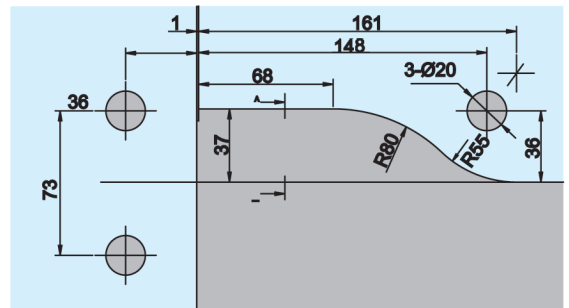


Patch Fitting Range

Glass cutout details

Note: Not to scale

Model no.: AOCs-040 Corner over panel glass cutout

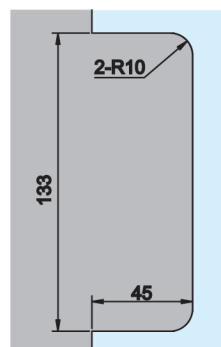


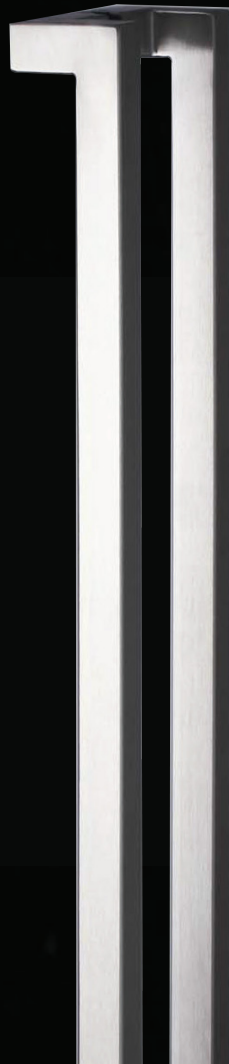
Patch Fitting Range

Glass cutout details

Note: Not to scale

Model no.: AUSB-050 and L-020 Strike box and centre lock glass cutout





Pull Handle

ASSA ABLOY

The global leader in
door opening solutions

ASSA ABLOY Pull Handles

Features & Benefits

ASSA ABLOY

Pull Handle

Key features:

- Made of SS 304
- Exclusive range
- Concealed mounting

Benefits:

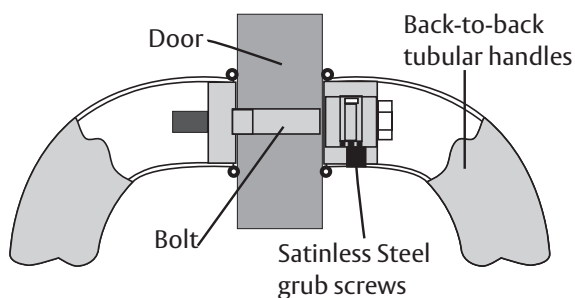
- High corrosion resistance
- High durability
- Choice of design
- Suitable for external environment

Compliance to BS8424:2003

Technical details:

- Tubular Pull Handle
- Door thickness
30mm to 50mm - Timber & Metal door
10mm - 12mm - Glass door
- Spindle - 8mm x 8mm
- Available length (CTC): 350 - 1500
- Back-to-back bolting arrangement
- Optional one side fixing
- Optional extended spindle
- Finish SSS - US32D, PSS - US32

ASSA ABLOY Pull Handles are manufactured using the finest materials to incorporate the maximum standards in style, durability, finish and design.



Pull Handle

AEH - 01 Series

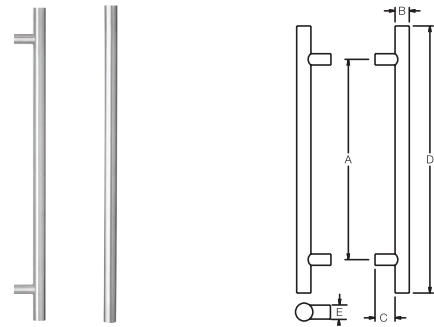
Model no.: AEH - 01

Description: ASSA ABLOY H - Type tubular pull handle

Back-to-back mount

Door thickness: 12mm Glass, 38- 50mm, Aluminium and Timber (Please specify)

Finish: Satin Satinless Steel - US32D (Standard)
Polished Satinless Steel - US32 (Option)



Ordering no.	A	B	C	D	E
AEH - 01	350mm	25mm	45mm	450mm	25mm
AEH - 01A*	450mm	32mm	45mm	600mm	25mm
AEH - 01B*	600mm	32mm	45mm	750mm	25mm
AEH - 01C	900mm	32mm	45mm	1050mm	25mm
AEH - 01D	1200mm	32mm	45mm	1350mm	25mm
AEH - 01E	1500mm	32mm	45mm	1650mm	25mm

*Pictured

Pull Handle

AEH - 02 Series

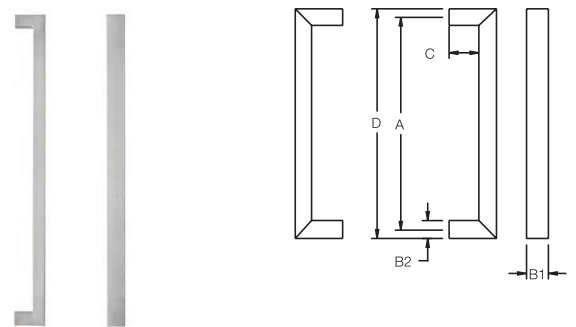
Model no.: AEH - 02

Description: ASSA ABLOY D - Type square pull handle

Back-to-back mount

Door thickness: 12mm Glass, 38- 50mm Aluminium and Timber (Please specify)

Finish: Satin Satinless Steel - US32D (Standard)
Polished Satinless Steel - US32 (Option)



Ordering no.	A	B1	B2	C	D
AEH - 02A*	450mm	38mm	25mm	60mm	475mm
AEH - 02B*	600mm	38mm	25mm	60mm	625mm
AEH - 02D	1200mm	38mm	25mm	60mm	1225mm
AEH - 02E	1500mm	38mm	25mm	60mm	1525mm

*Pictured

Pull Handle

AEH - 03 Series

Model no.: AEH - 03A & AEH - 03B

Description: ASSA ABLOY H - Type square pull handle

Back-to-back mount

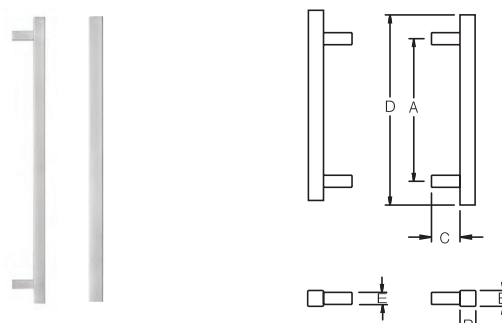
Door thickness: 12mm Glass, 38 ~50mm

Aluminium and Timber

(Please specify)

Finish: Satin Stainless Steel - US32D (Standard)

Polished Stainless Steel - US32 (Option)



Ordering no.	A	B	C	D	E
AEH - 03A	375mm	25mm	45mm	450mm	19mm
AEH - 03B*	525mm	25mm	45mm	600mm	19mm

*Pictured

Pull Handle

AEH - 04 Series

Model no.: AEH - 04

Description: ASSA ABLOY D - Type square offset pull handle

Back-to-back mount

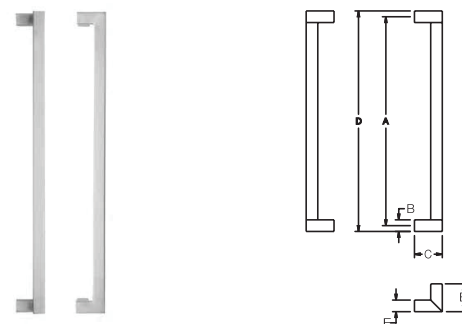
Door thickness: 12mm Glass, 38- 50mm

Aluminium and Timber

(Please specify)

Finish: Satin Stainless Steel - US32D (Standard)

Polished Stainless Steel - US32 (Option)



Ordering no.	A	B	C	D	E	F
AEH - 04A	450mm	25mm	60mm	475mm	60mm	25mm
AEH - 04B	600mm	25mm	60mm	625mm	60mm	25mm
AEH - 04C	900mm	25mm	60mm	925mm	60mm	25mm
AEH - 04D	1200mm	25mm	60mm	1225mm	60mm	25mm
AEH - 04E	1500mm	25mm	60mm	1525mm	60mm	25mm

*Pictured

Pull Handle

AEH - 05 Series

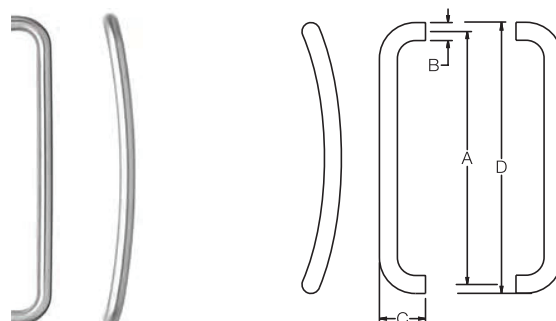
Model no.: AEH - 05A & AEH - 05B

Description: ASSA ABLOY D - Type curved pull handle

Back-to-back mount

Door thickness: 12mm glass
38- 50mm, Aluminium and Timber
(Please specify)

Finish: Satin Satinless Steel - US32D (Standard)
Polished Satinless Steel - US32 (Option)



Ordering no.	A	B	C	D
AEH - 05A	450mm	32mm	80mm	482mm
AEH - 05B*	600mm	32mm	80mm	632mm

*Pictured

Pull Handle

AEH - 06 Series

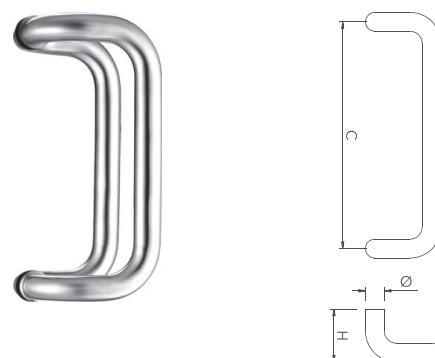
Model no.: AEH - 06A & AEH - 06B

Description: ASSA ABLOY D - Type offset entrance Handles

Back-to-back mount

Door thickness: 12mm glass
38- 50mm, Aluminium and Timber
(Please specify)

Finish: Satin Satinless Steel - US32D (Standard)
Polished Satinless Steel - US32 (Option)



Ordering no.	Ø	C	H
AEH - 06A	32mm	300mm	85mm
AEH - 06B*	32mm	450mm	85mm

*Pictured

Pull Handles

AEH - 11-200 & AEH-11A/B-300

Model no.: AEH -11-200, AEH-11A/B-300

Description: ASSA ABLOY D - Type pull handle
Back-to-back mount

Door thickness: 12mm Glass
38- 50mm, Aluminium and Timber
(Please specify)

Finish: Satin Satinless Steel - US32D (Standard)
Polished Satinless Steel - US32 (Option)

Note: Should single side is required, cap and screws are provided on request. Extended spindle option door thickness 65mm - 100mm



Ordering no.	Height	Dia
AEH - 11- 200	200mm	19mm
AEH - 11A-300	300mm	25mm
AEH - 11B-300	300mm	19mm

*Pictured

Pull Handles

ADP-01
ADP-02
ADP-03

Model no.: ADP-01, ADP-02, ADP-03

Description: ADP-01 ASSA ABLOY - 100mm x 10mm
Standard D Pull SSS - Single side
ADP-02 ASSA ABLOY - 150mm x 19mm
Standard D Pull SSS - Single side
ADP-03 ASSA ABLOY - 200mm x 19mm
Standard D Pull SSS - Single side

Finish: Satin Satinless Steel



Ordering no.	Height	Dia
ADP-01	100mm	10mm
ADP-02	150mm	19mm
ADP-03	200mm	19mm

*Pictured





Shower Hardware

ASSA ABLOY

The global leader in
door opening solutions

ASSA ABLOY Shower Hardware

Features & Benefits

ASSA ABLOY

Lockcase and Hinges

Key features:

- High quality finish
- Anti noise system
- Complete sealing
- Longer life cycle

Benefits:

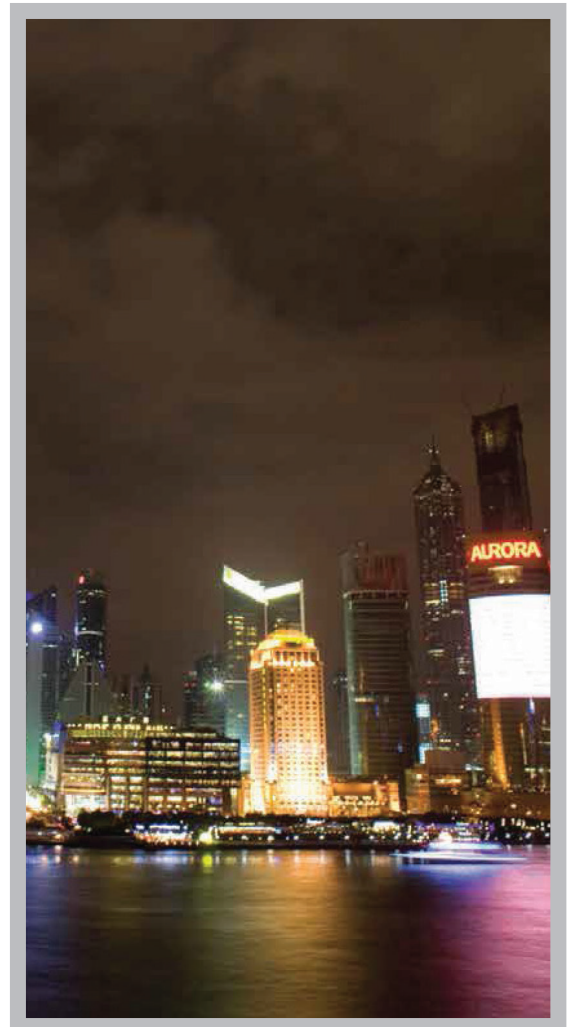
- Aesthetic design
- Great user comfort
- High corrosion resistance
- Easy maintenance

Standard & Certifications

EN1935
Compliance

Technical details:

- Suits 6mm to 12mm glass door width
- Maximum weight 50kg with 2 hinges
- PVC Sealing
- Non-handed
- Protection against cold, draught, moisture



Glass Hardware - Shower Cubicles

ASSA ABLOY

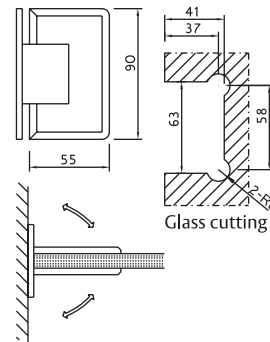
Shower Hinge Wall to Glass 90°

Model no.: AWGR - 01

Description: ASSA ABLOY Shower Hinge Wall to Glass 90° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



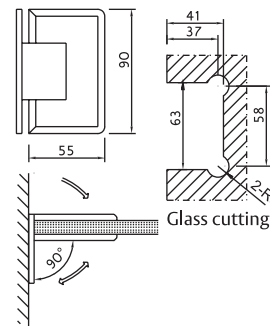
Shower Hinge Wall to Glass 90°

Model no.: AWGR - 02

Description: ASSA ABLOY Shower Hinges Wall To Glass 90° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



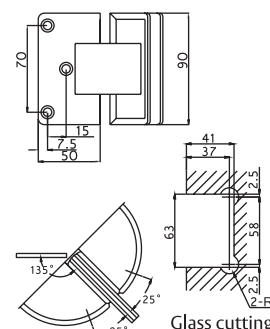
Shower Hinge Wall to Glass 135°

Model no.: AWGR - 03

Description: ASSA ABLOY Shower Hinge Wall to Glass 135° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



Glass Hardware - Shower Cubicles

ASSA ABLOY

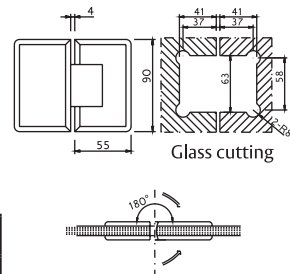
Shower Hinge Glass to Glass 180°

Model no.: AGGR-01

Description: ASSA ABLOY Shower hinges Glass To Glass 180° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



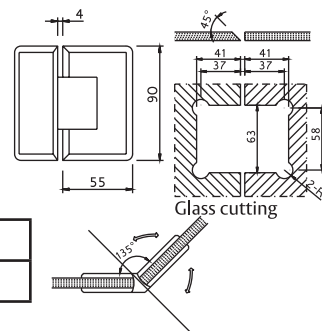
Shower Hinge Glass to Glass 135°

Model no.: AGGR-02

Description: ASSA ABLOY Shower Hinge Glass to Glass 135° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



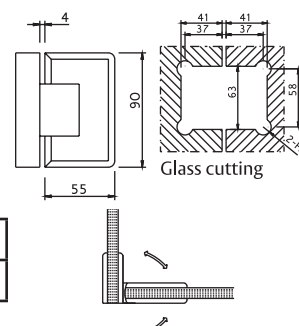
Shower Hinge Glass to Glass 90°

Model no.: AGGR-03

Description: ASSA ABLOY Shower Hinge Glass to glass 90° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



Glass Hardware - Shower Cubicles

ASSA ABLOY

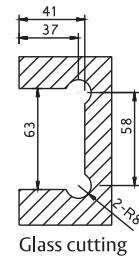
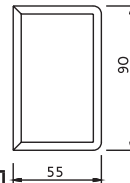
Shower Clamp Wall to Glass 90°

Model no.: AWGB-01R

Description: ASSA ABLOY Shower Clamp Wall to Glass 90° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



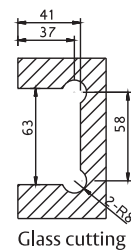
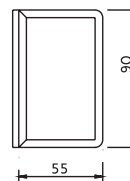
Shower Clamp Wall to Glass 90°

Model no.: AWGB-02R

Description: ASSA ABLOY Shower Clamp Wall to Glass 90° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



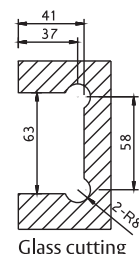
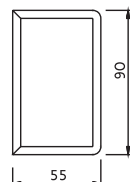
Shower Clamp Wall to Glass 90°

Model no.: AWGB-03R

Description: ASSA ABLOY Shower Clamp Wall to Glass 90° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



Glass Hardware - Shower Cubicles

ASSA ABLOY

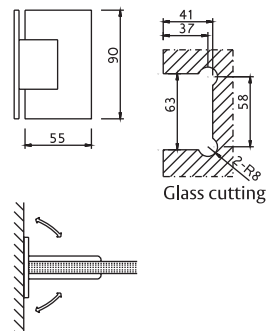
Shower Hinge
Wall to Glass 90°
double plate

Model no.: AWGS-01

Description: ASSA ABLOY Shower Hinge
Wall to Glass 90° - Straight Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



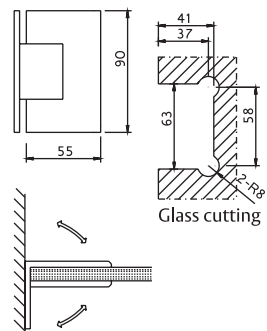
Shower Hinge
Wall to Glass 90°
single plate

Model no.: AWGS-02

Description: ASSA ABLOY Shower Hinge
Wall to Glass 90° - Straight Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



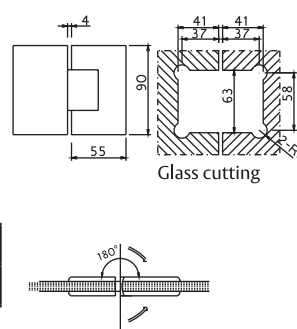
Shower Hinge
Glass To Glass 180°

Model no.: AGGS-01

Description: ASSA ABLOY Shower Hinge Glass to
Glass 180° - Straight Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



Glass Hardware - Shower Cubicles

ASSA ABLOY

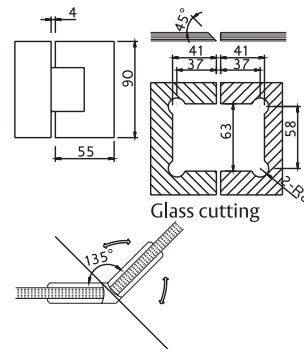
Shower Hinge Glass to Glass 135°

Model no.: AGGS-02

Description: ASSA ABLOY Shower Hinge Glass to Glass 135°- Straight Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



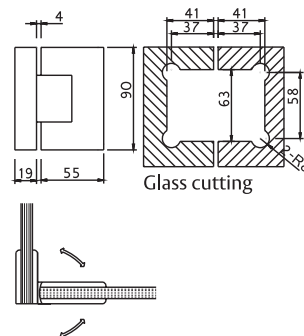
Shower Hinge Glass to Glass 90°

Model no.: AGGS-03

Description: ASSA ABLOY Shower Hinge Glass to Glass 90°- Straight Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



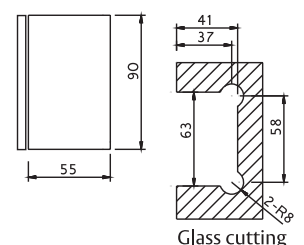
Shower Clamp Glass to Glass 90°

Model no.: AWGB-01S

Description: ASSA ABLOY Shower Clamp Wall to Glass 90°- Straight Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



Glass Hardware - Shower Cubicles

ASSA ABLOY

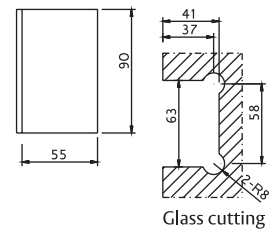
**Shower Clamp
Wall to Glass 90°
with back plate**

Model no.: AWGB-02S

Description: ASSA ABLOY Shower Clamp Wall to Glass 90° - Straight Edge

Finish: Bright Chrome Plated - US26

Material	Door weight	Glass thickness
Brass	50kg maximum	8mm to 12mm



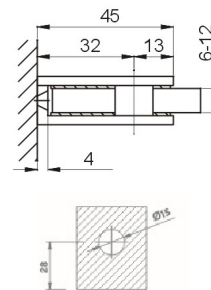
**Glass Connector
Wall to Glass 90°**

Model no.: AGCR-01

Description: ASSA ABLOY Glass Connector Wall to Glass 90° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Glass thickness
Brass	8mm to 12mm



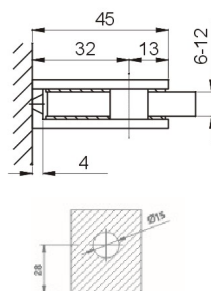
**Glass Connector
Wall to Glass 90°**

Model no.: AGCR-02

Description: ASSA ABLOY Glass Connector Wall to Glass 90° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Glass thickness
Brass	8mm to 12mm



Glass Hardware - Shower Cubicles

ASSA ABLOY

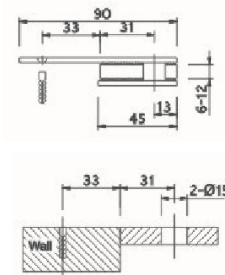
Glass Connector
Wall to Glass 90°
with L shape plate

Model no.: AGCR-03

Description: ASSA ABLOY Glass Connector
Wall to Glass 90° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Glass thickness
Brass	8mm to 12mm



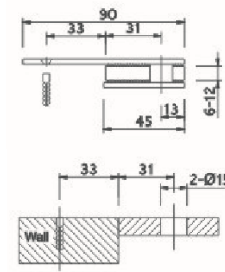
Glass Connector
Glass to glass 180°

Model no.: AGCR-04

Description: ASSA ABLOY Glass Connector
Glass to Glass 180° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Glass thickness
Brass	8mm to 12mm



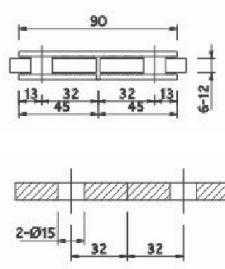
Glass Connector
Glass to glass 180°

Model no.: AGCR-05

Description: ASSA ABLOY Glass Connector
Glass to Glass 180° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Glass thickness
Brass	8mm to 12mm



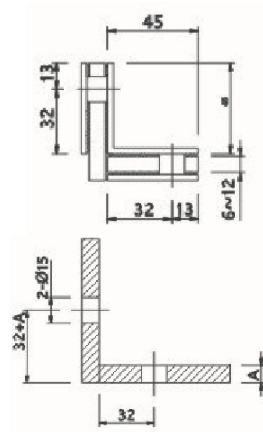
Glass Connector Glass to Glass 90°

Model no.: AGCR-06

Description: ASSA ABLOY Glass Connector
Glass to Glass 90° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Glass thickness
Brass	8mm to 12mm



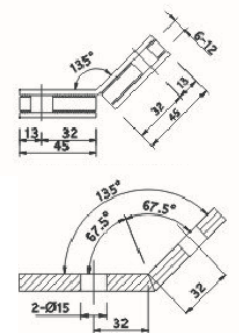
Glass Connector Glass to Glass 135°

Model no.: AGCR-07

Description: ASSA ABLOY Glass Connector Glass To
Glass 135° - Round Edge

Finish: Bright Chrome Plated - US26

Material	Glass thickness
Brass	6mm to 12mm



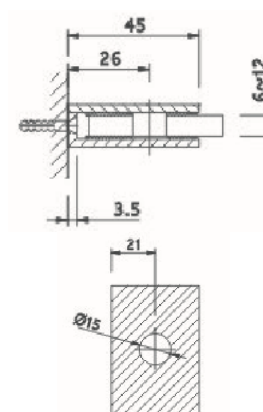
Glass Connector Wall to Glass 90°

Model no.: AGCS-01

Description: ASSA ABLOY Glass Connector Wall to
Glass 90° - Straight Edge

Finish: Bright Chrome Plated - US26

Material	Glass thickness
Brass	6mm to 12mm



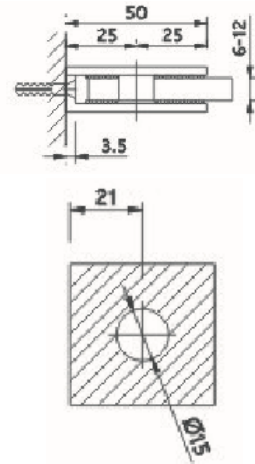
Glass Connector Wall to Glass 90°

Model no.: AGCS-02

Description: ASSA ABLOY Glass Connector Wall to Glass 90° - Straight Edge

Finish: Bright Chrome Plated - US26

Material	Glass thickness
Brass	6mm to 12mm



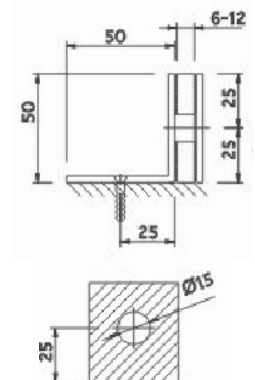
Glass Connector Wall to Glass 90°

Model no.: AGCS-03

Description: ASSA ABLOY Glass Connector Wall to Glass 90° - Straight Edge

Finish: Bright Chrome Plated - US26

Material	Glass thickness
Brass	6mm to 12mm



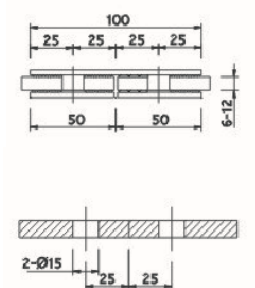
Glass Connector Wall to Glass 180°

Model no.: AGCS-04

Description: ASSA ABLOY Glass Connector Wall to Glass 180° - Straight Edge

Finish: Bright Chrome Plated - US26

Material	Glass thickness
Brass	6mm to 12mm



Glass Hardware - Shower Cubicles

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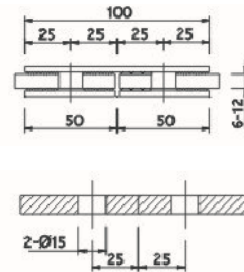
Glass Connector Glass to Glass 180°

Model no.: AGCS-05

Description: ASSA ABLOY Glass Connector Glass to Glass 180° - Straight Edge

Finish: Bright Chrome Plated - US26

Material	Glass thickness
Brass	6mm to 12mm



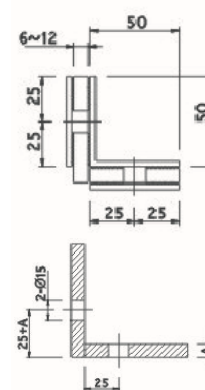
Glass Connector Glass to Glass 90°

Model no.: AGCS-06

Description: ASSA ABLOY Glass Connector Glass to Glass 90° - Straight Edge

Finish: Bright Chrome Plated - US26

Material	Glass thickness
Brass	6mm to 12mm



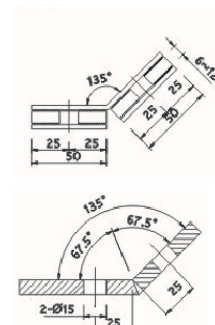
Glass Connector Glass to Glass 135°

Model no.: AGCS-07

Description: ASSA ABLOY Glass Connector Glass to Glass 135° - Straight Edge

Finish: Bright Chrome Plated - US26

Material	Glass thickness
Brass	6mm to 12mm



Shower Door Pull Handle

Description: ASSA ABLOY Tower rod cum pull handle

Finish: Bright Chrome Plated - US26

Model no.:	Size
ASH101/19/200x450	19x200x450
ASH101/19/250x450	19x250x450
ASH101/25/200x450	25x200x450
ASH101/25/250x450	25x250x450



Shower Door Pull Handle

Description: ASSA ABLOY Shower Door Pull Handle

Finish: Bright Chrome Plated - US26

Model no.:	Size
ASH111/19/150	19x150
ASH111/19/200	19x200
ASH111/19/250	19x250
ASH111/19/300	19x300
ASH111/25/250	25x250
ASH111/25/300	25x300



Shower Door Pull Handle

Description: ASSA ABLOY Shower Door Pull Handle

Finish: Bright Chrome Plated - US26

Model no.:	Size
ASH115/20/200	20x20x200
ASH115/20/250	20x20x250
ASH115/20/300	20x20x300
ASH115/20/450	20x20x450

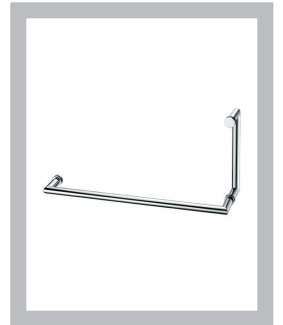


Shower Door Pull Handle

Description: ASSA ABLOY Shower Door Pull Handle

Finish: Bright Chrome Plated - US26

Model no.:	Size
ASH117/19/200x450	19x200x450
ASH117/19/250x450	19x250x450
ASH117/25/200x450	19x200x450
ASH117/25/250x450	19x250x450

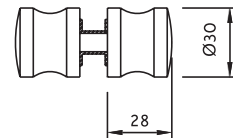


Shower Door Knob

Model no.: ASK102

Description: ASSA ABLOY Shower Door Knob

Finish: Bright Chrome Plated - US26

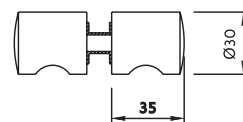


Shower Door Knob

Model no.: ASK105

Description: ASSA ABLOY Shower knob

Finish: Bright Chrome Plated - US26



Shower Cubical Connector

Model no.: ASC-901

Description: ASSA ABLOY Brass Shower Cubical Connector suit for 18mm bar

Finish: Bright Chrome Plated - US26



Shower Cubical Connector

Model no.: ASC-902

Description: ASSA ABLOY Brass Shower Cubical Connector suit for 18mm bar

Finish: Bright Chrome Plated - US26



Shower Cubical Connector

Model no.: ASC-903

Description: ASSA ABLOY Brass Shower Cubical Connector suit for 18mm bar

Finish: Bright Chrome Plated - US26



Shower Cubical Connector

Model no.: ASC-904

Description: ASSA ABLOY Brass Shower Cubical Connector suit for 18mm bar

Finish: Bright Chrome Plated - US26



Shower Cubical Connector

Model no.: ASC-905

Description: ASSA ABLOY Brass Shower Cubical Connector suit for 18mm bar

Finish: Bright Chrome Plated - US26



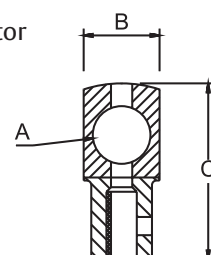
Shower Cubical Connector

Model no.: ASC-911

Description: ASSA ABLOY Brass Shower Cubical Connector

Finish: Bright Chrome Plated - US26

Model no.:	A	B	C
ASC911-19	Ø19	Ø25	58
ASC911-22	Ø22	Ø28	58
ASC911-25	Ø25	Ø31	58



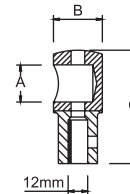
Shower Cubical Connector

Model no.: ASC-912

Description: ASSA ABLOY Brass Shower Cubical Connector

Finish: Bright Chrome Plated - US26

Model no.:	A	B	C
ASC912-19	Ø19	Ø25	58
ASC912-22	Ø22	Ø28	58
ASC912-25	Ø25	Ø31	58



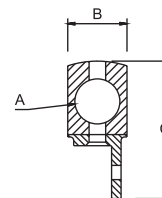
Shower Cubical Connector

Model no.: ASC-913

Description: ASSA ABLOY Brass Shower Cubical Connector

Finish: Bright Chrome Plated - US26

Model no.:	A	B	C
ASC913-19	Ø19	Ø25	58
ASC913-22	Ø22	Ø28	58
ASC913-25	Ø25	Ø31	58



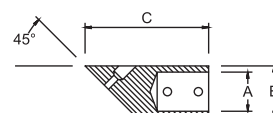
Shower Cubical Connector

Model no.: ASC-914

Description: ASSA ABLOY Brass Shower Cubical Connector

Finish: Bright Chrome Plated - US26

Model no.:	A	B	C
ASC914-19	Ø19	Ø25	60
ASC914-22	Ø22	Ø28	60
ASC914-25	Ø25	Ø31	60



Glass Hardware - Shower Cubicles

ASSA ABLOY

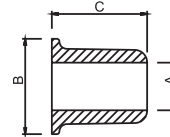
Shower Cubical Connector

Model no.: ASC-915

Description: ASSA ABLOY Brass Shower Cubical Connector

Finish: Bright Chrome Plated - US26

Model no.:	A	B	C
ASC915-19	Ø19	Ø30	58
ASC915-22	Ø22	Ø33	58
ASC915-25	Ø25	Ø36	58



Support Bar Wall to Wall

Model no.: ASB-908

Description: ASSA ABLOY Support Bar Brass tube, diameter 18mm

Finish: Bright Chrome Plated - US26

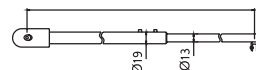


Support Bar Glass to Wall

Model no.: ASB-63

Description: ASSA ABLOY Support Bar

Finish: Bright Chrome Plated - US26



Glass Hardware - Shower Cubicles

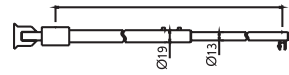
ASSA ABLOY

Support Bar Glass to Wall

Model no.: ASB-64

Description: ASSA ABLOY Support Bar
Glass to wall

Finish: Bright Chrome Plated - US26

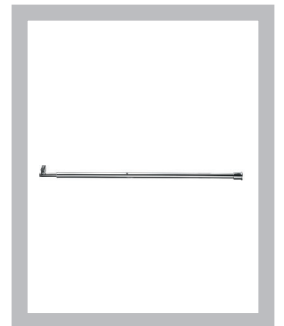
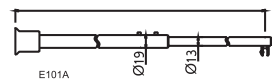


Support Bar Glass to Wall

Model no.: ASB-633

Description: ASSA ABLOY Support Bar
Glass to wall

Finish: Bright Chrome Plated - US26

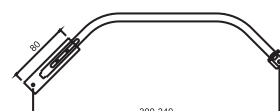


Support Bar Glass to Wall

Model no.: ASB-65

Description: ASSA ABLOY Support bar
Glass to Wall

Finish: Bright Chrome Plated - US26



Glass Hardware - Shower Cubicles

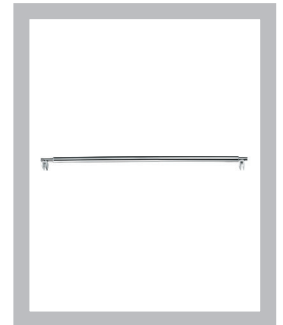
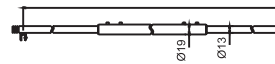
ASSA ABLOY

Support Bar Glass to Glass

Model no.: ASB-635

Description: ASSA ABLOY Support Bar
Glass to Glass

Finish: Bright Chrome Plated - US26

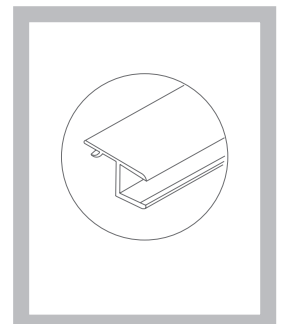


Glass Seal Glass to Glass

Model no.: ACS1-6-8, ACS2-8-10

Description: ASSA ABLOY Shower Seal
Glass to Glass

Model no.	Material	Glass thickness
ACS1-6-8	PVC	6mm to 8mm
ACS2-8-10	PVC	8mm to 10mm

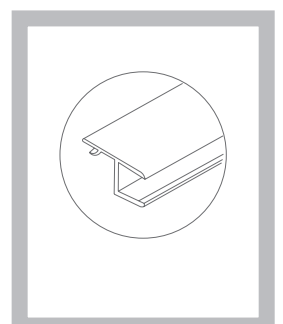
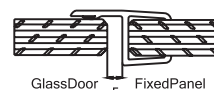


Glass seal Glass to Glass

Model no.: ACS2-6-8, ACS-2-8-10

Description: ASSA ABLOY Shower Seal
Glass to Glass

Model no.	Material	Glass thickness
ACS2-6-8	PVC	6mm to 8mm
ACS2-8-10	PVC	8mm to 10mm

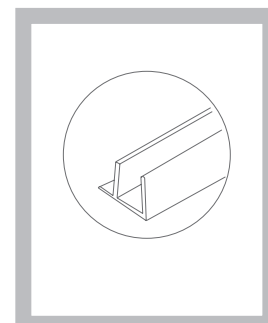
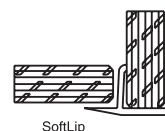


Glass seal Glass to Glass

Model no.: ACS2B-6-8, ACS2B-8-10

Description: ASSA ABLOY Shower Seal
Glass to Glass

Model no.	Material	Glass thickness
ACS2B-6-8	PVC	6mm to 8mm
ACS2B-8-10	PVC	8mm to 10mm

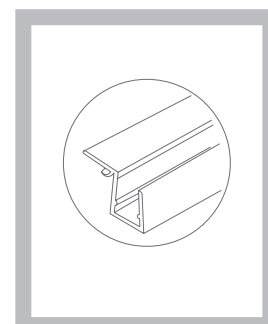
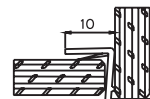


Glass seal Glass to Glass

Model no.: ACS2R-6-8, ACS2R-8-10

Description: ASSA ABLOY Shower Seal
Glass to Glass

Model no.	Material	Glass thickness
ACS2R-6-8	PVC	6mm to 8mm
ACS2R-8-10	PVC	8mm to 10mm

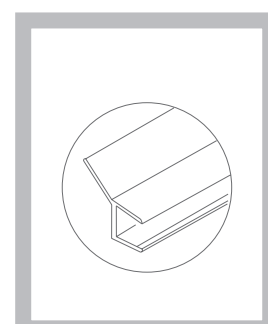
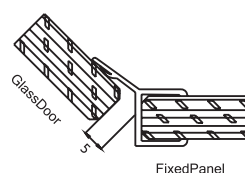


Glass seal Glass to Glass 135° Seal

Model no.: ACS3-6-8, ACS3-8-10

Description: ASSA ABLOY Shower Seal
Glass to Glass

Model no.	Material	Glass thickness
ACS3-6-8	PVC	6mm to 8mm
ACS3-8-10	PVC	8mm to 10mm

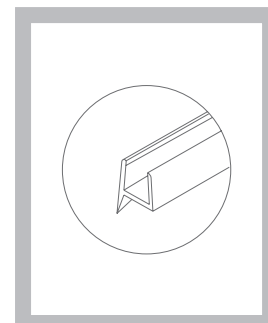
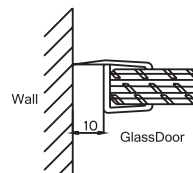


Glass Seal Glass to Wall Seal

Model no.: ACS4-6-8, ACS4-8-10

Description: ASSA ABLOY Shower Seal
Glass to Wall Seal

Model no.	Material	Glass thickness
ACS4-6-8	PVC	6mm to 8mm
ACS4-8-10	PVC	8mm to 10mm

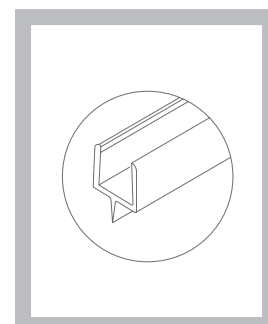
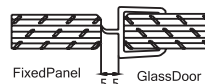


Glass seal Glass to Glass

Model no.: ACS5-6-8, ACS5-8-10

Description: ASSA ABLOY Shower Seal
Glass to Glass

Model no.	Material	Glass thickness
ACS5-6-8	PVC	6mm to 8mm
ACS5-8-10	PVC	8mm to 10mm

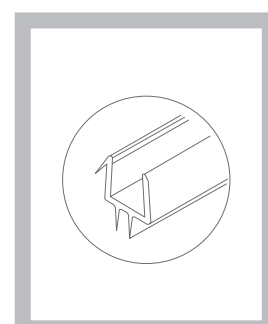
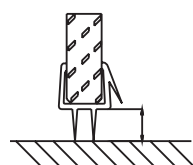


Glass seal Glass to Floor Water Dispenser Seal

Model no.: ACS6-6-8, ACS6-8-10

Description: ASSA ABLOY Shower Seal
Glass To Floor Water Dispenser Seal

Model no.	Material	Glass thickness
ACS6-6-8	PVC	6mm to 8mm
ACS6-8-10	PVC	8mm to 10mm



Glass Hardware - Shower Cubicles

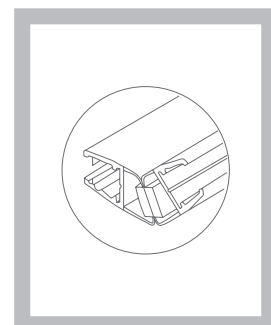
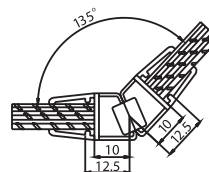
ASSA ABLOY

Glass Seal
Glass to Glass 135°
Magnetic Seal

Model no.: AMS8-6-8, AMS8-8-10

Description: ASSA ABLOY Shower Seal
Glass to Glass 135° Magnetic Seal

Model no.	Material	Glass thickness
AMS-8-6-8	PVC	6mm to 8mm
AMS-8-8-10	PVC	8mm to 10mm

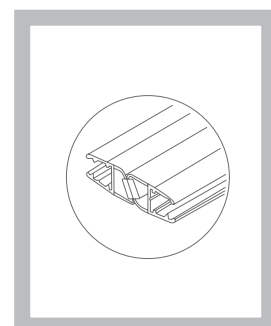


Glass Seal
Glass to Glass 180°
Magnetic Seal

Model no.: AMS9-6-8, AMS9-8-10, AMS9-10-12

Description: ASSA ABLOY Shower Seal
Glass to Glass 180° Magnetic Seal

Model no.	Material	Glass thickness
AMS-9-6-8	PVC	6mm to 8mm
AMS-9-8-10	PVC	8mm to 10mm
AMS-9-10-12	PVC	10mm to 12mm

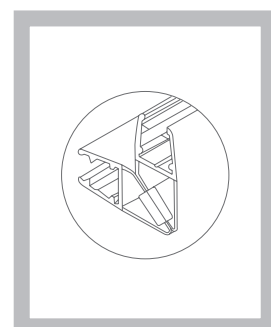
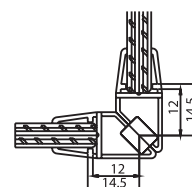


Glass Seal
Glass to Glass 90°
Magnetic Seal

Model no.: AMS10-6-8, AMS10-8-10, AMS10-10-12

Description: ASSA ABLOY Shower Seal
Glass to Glass 90° Magnetic Seal

Model no.	Material	Glass thickness
AMS10-6-8	PVC	6mm to 8mm
AMS10-8-10	PVC	8mm to 10mm
AMS10-10-12	PVC	10mm to 12mm

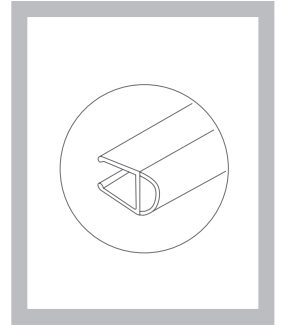


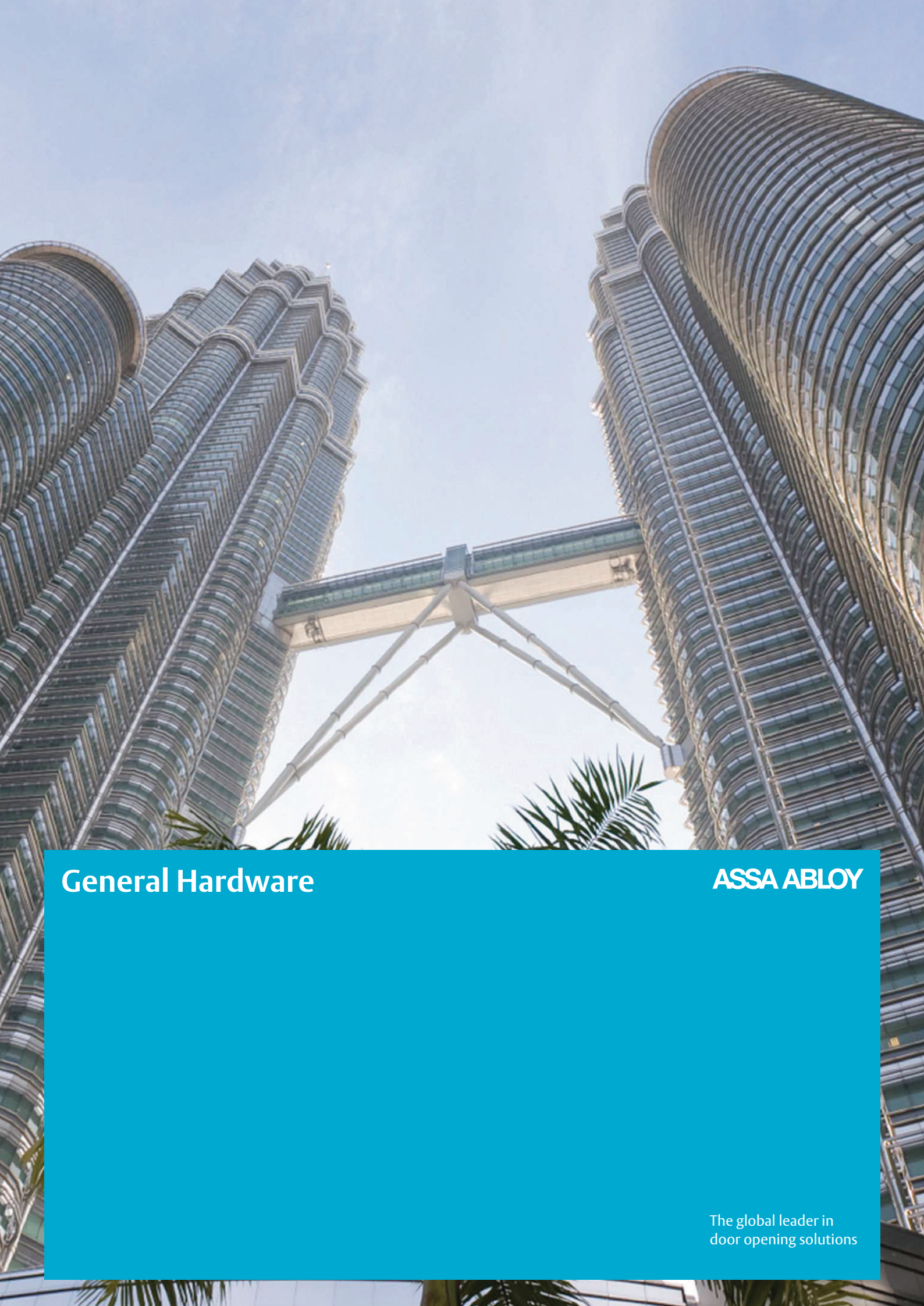
**Glass Seal
Glass to Glass**

Model no.: AMS11-6-8, AMS11-8-10, AMS11-10-12

Description: ASSA ABLOY Shower Seal
Glass to Glass

Model no.	Material	Glass thickness
AMS11-6-8	PVC	6mm to 8mm
AMS11-8-10	PVC	8mm to 10mm
AMS11-10-12	PVC	10mm to 12mm





General Hardware

ASSA ABLOY

The global leader in
door opening solutions

ASSA ABLOY General Hardware

Features & Benefits

ASSA ABLOY

General Hardware

Key Features:

- Suitable for use in commercial and residential buildings
- A range of general door hardware suitable for most door applications

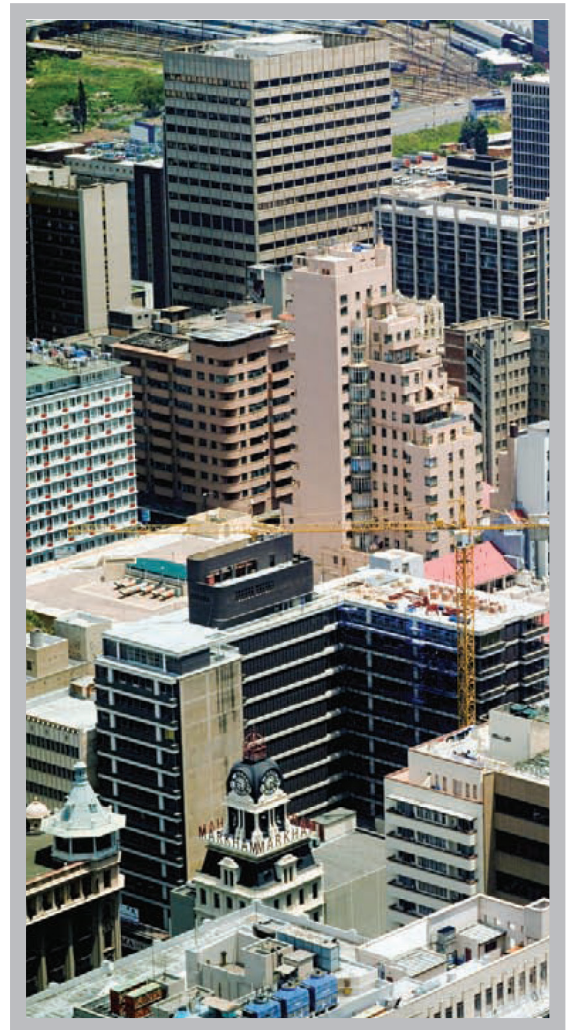
Benefits:

- Ease of door operations
- Aesthetics and functions
- Safety and security
- Protection of doors and walls

Technical Details:

General hardware range

- Door Stops
- Coat / Robe Hooks
- Door Chains
- Bolts
- Door Viewer
- Barrel Bolts
- Timber and Aluminium Flush Bolts
- Sliding Door Hardware
- Push and Pull Plates



Rectangular Flush Pulls

AFP-01, AFP-02

Model no.: AFP-01, AFP-02

Description: AFP-01 ASSA ABLOY 120mm x 50mm Rectangular concealed Fix Flush Pull SSS
AFP-02 ASSA ABLOY 150mm x 50mm Rectangular concealed Fix Flush Pull SSS
Suitable for use on sliding doors

Dimensions: AFP-01 - 120mm x 50mm
AFP-02 - 150mm x 50mm

Finish: Satin Stainless Steel



Square Flush Pulls

AFP-03

Model no.: AFP-03

Description: AFP-03 ASSA ABLOY 65mm x 65mm Square concealed Fix Flush Pull SSS
Suitable for use on sliding doors

Dimensions: AFP-03 - 65mm x 65mm

Finish: Satin Stainless Steel



Radius Flush Pulls

AFP-04

Model no.: AFP-04

Description: AFP-04 ASSA ABLOY 65mm diameter round concealed Fix Flush Pull SSS
Suitable for use on sliding doors

Dimensions: AFP-04 - 65mm diameter

Finish: Satin Stainless Steel



Flush Ring Pull

AFP-05

Model no.: AFP-05

Description: AFP-05 ASSA ABLOY Visible Fix Flush Ring Pull SSS

Dimensions: AFP-05 - 43mm x 63mm

Finish: Satin Stainless Steel



Door Stops

AFS-01

Model no.: AFS-01

Description: AFS-01 ASSA ABLOY Half moon Floor Door Stop SSS

Dimensions: AFS-01 - 45mmØ

Finish: Satin Stainless Steel



Elite Floor Door Stops

AFS-02

Model no.: AFS-02

Description: AFS-02 ASSA ABLOY Elite Floor Door Stop SSS

Dimensions: Ø35mm x 40mm(H)

Finish: Satin Stainless Steel



Conical Floor Door Stops

AFS-03

Model no.: AFS-03

Description: AFS-03 ASSA ABLOY Conical Floor Door Stop SC

Finish: Satin Chrome Plated



Cylindrical Wall Door Stop

AWS-01

Model no.: AWS-01

Description: AWS-01 ASSA ABLOY Cylindrical Wall Door Stop SSS

Dimensions: Ø19mm x 63mm(H)

Finish: Satin Stainless Steel



Square Wall Door Stop

AWS-02
AWS-02B

Model no.: AWS-02

Description: AWS-02 ASSA ABLOY Square Wall Door Stop SSS
For door stop with backplate please order AWS - 02B

Dimensions: 16mm x 16mm x 66mm

Finish: Satin Stainless Steel



Coat / Robe Hook

ARH-01

Model no.: ARH-01

Description: ARH-01 ASSA ABLOY Tubular double Robe Hook SSS

Dimensions: Ø51mm x 50mm(L)

Finish: Satin Stainless Steel



Coat / Robe Hook

ARH-02

Model no.: ARH-02

Description: ARH-02 ASSA ABLOY Radius double Robe Hook SSS

Dimensions: Ø51mm x 50mm(L)

Finish: Satin Stainless Steel



Coat / Robe Hook

ARH-03

Model no.: ARH-03

Description: ARH-03 ASSA ABLOY "V" Double Robe Hook SSS

Dimensions: Ø51mm x 50mm(L)

Finish: Satin Stainless Steel



Coat / Robe Hook

ARH-04

Model no.: ARH-04

Description: ARH-04 ASSA ABLOY Tubular single Robe Hook SSS

Dimensions: Ø51mm x 50mm(L)

Finish: Satin Stainless Steel



Coat / Robe Hook

ARH-05

Model no.: ARH-05

Description: ARH-05 ASSA ABLOY Robe Hook and bumper SSS

Dimensions: 20mm(W) x 73mm(H)

Finish: Satin Stainless Steel



Door Security

ADSS-01

Model no.: ADSS-01

Description: ADSS-01 ASSA ABLOY Security Door Chain SC

Dimensions: 25mm x 51mm x 100mm (min)

Finish: Satin Chrome



Door Security

ADSS-02

Model no.: ADSS-02

Description: ADSS-02 ASSA ABLOY Security Door Guard SC

Finish: Satin Chrome



Door Security

ADSS-03

Model no.: ADSS-03

Description: ADSS-03 ASSA ABLOY 180° door viewer SSS
Door thickness 40 to 75mm

Finish: Satin Stainless Steel



Door Security

ADSS-04

Model no.: ADSS-04

Description: ADSS-04 ASSA ABLOY Hex Key Security
Door Bolt SC

Dimensions: 25mm x 51mm

Finish: Satin Chrome



Door Security

ACP-01

Model no.: ACP-01

Description: ACP-01 ASSA ABLOY Euro Cylinder Pull SSS

Dimension: 45mm x 76mm

Finish: Satin Chrome



Barrel Bolts

ABB-01

ABB-02

ABB-03

Model no.: ABB-01, ABB-02, ABB-03

Description: ABB-01 ASSA ABLOY 100mm Surface fixed Barrel Bolt SSS

ABB-02 ASSA ABLOY 150mm Surface fixed Barrel Bolt SSS

ABB-03 ASSA ABLOY 200mm Surface fixed Barrel Bolt SSS

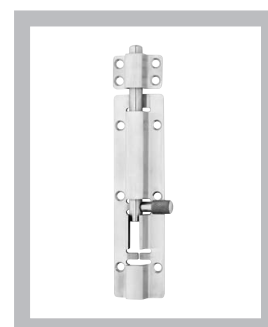
Dimensions:

ABB-01-100mm

ABB-02-150mm

ABB-03-200mm

Finish: Satin Stainless Steel



Recessed Timber Door Flush Bolts

ABT-01

ABT-02

ABT-03

Model no.: ABT-01, ABT-02, ABT-03

Description: ABT-01 ASSA ABLOY 200mm Recessed Timber Door Flush Bolts SSS

ABT-02 ASSA ABLOY 250mm Recessed Timber Door Flush Bolts SSS

ABT-03 ASSA ABLOY 450mm Recessed Timber Door Flush Bolts SSS

Dimensions: ABT-01-200mm, ABT-02-250mm, ABT-03-450mm

Finish: Satin Stainless Steel



Aluminium Flush Bolts

ABA-01
ABA-02
ABA-03

Model no.: ABA-01, ABA-02, ABA-03

Description: ABA-01 ASSA ABLOY 200mm Recessed metal and aluminium Door Flush Bolts SSS
ABA-02 ASSA ABLOY 450mm Recessed metal and aluminium Door Flush Bolts SSS
ABA-03 ASSA ABLOY 600mm Recessed metal and aluminium Door Flush Bolts SSS

Dimensions:

ABA-01-200mm
ABA-02-450mm
ABA-03-600mm

Finish: Satin Stainless Steel



Flush Bolt Accessories

AFBA-01

Model no.: AFBA-01

Description: AFBA-01 ASSA ABLOY Mortise universal Flush Bolt floor ferrule SC

Dimensions: 39mm(H)

Finish: Satin Chrome



Roller Bolts

ABR-01

Model no.: ABR-01

Description: ABR-01 ASSA ABLOY Mortise adjustable Roller Bolt SC

Dimensions: 22mm x 76mm x 45mm

Finish: Satin Chrome



Toilet Indicator Bolt Set

ABTI-01

Model no.: ABTI-01

Description: ABTI-01 ASSA ABLOY Mortise Toilet Indicator Set (60mm backset) SSS

Description: 22mm x 77mm x 80mm

Finish: Satin Stainless Steel



Flush ring pull Latchset

AFRPL-01

Model no.: AFRPL-01

Description: AFRPL-01 ASSA ABLOY Mortise Flush ring pull Latchset SSS

Description: Ø76mm x 12mm Turns

Finish: Satin Stainless Steel



Sliding Cavity Door Lock Furniture Cylinder escutcheon set

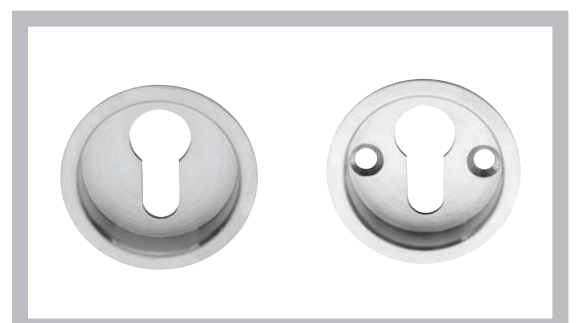
ASLF-01

Model no.: ASLF-01

Description: ASLF-01 ASSA ABLOY Euro Mortise Sliding Door Lock Cylinders escutcheon set - Flush pull SSS

Description: Ø51mm

Finish: Satin Stainless Steel



Sliding Cavity Door
Lock Furniture
Privacy set

ASLF-02

Model no.: ASLF-02

Description: SLF-02 ASSA ABLOY Euro Mortise Sliding Door Lock privacy set - Flush Pull SSS

Dimensions: Ø51mm

Finish: Satin Stainless Steel



Sequence selector

AFDS-01

Model no.: AFDS-01

Description: AFDS-01 ASSA ABLOY Sequence selector SSS Suitable for pair of rebated doors

Dimensions: 280mm

Finish: Satin Stainless Steel



AFDS-02

Model no.: AFDS-02

Description: AFDS-02 ASSA ABLOY Gravity door coordinator

Finish: Satin Nickel



Automatic Flush Bolt

AFFB-01

Model no.: AFFB-01

Description: AFFB-01 ASSA ABLOY Door Automatic Flush Bolt SSS

Dimensions: 31mm x 203mm

Finish: Satin Stainless Steel



Door Pulls & Push Plates

Push Plates

APP-3075

APP-3100

Model no.: APP-3075, APP-3100

Description: APP-3075 ASSA ABLOY 300mm x 75mm Visible Fix Push Plate SSS

APP-3100 ASSA ABLOY 300mm x 100mm Visible Fix Push Plate SSS

Dimensions: PP-3075-300mm x 75mm

APP-3100-300mm x 100mm

Finish: Satin Stainless Steel



Pull on Plates

APOP-3075

APOP-3100

Model no.: APOP-3075, APOP-3100

Description: APOP-3075 ASSA ABLOY 300mm x 75mm Visible Fix Plate with 200mm x 19mm D Pull SSS

APOP-3100 ASSA ABLOY 300mm x 100mm Visible Fix Plate with 200mm x 19mm D Pull SSS

Dimensions: APOP-3075-300mm x 75mm

APOP-3100-300mm x 100mm

Finish: Satin Stainless Steel





Wireless Access Control Escutcheon

ASSA ABLOY

The global leader in
door opening solutions

ASSA ABLOY Wireless Access Control Escutcheon

Features & Benefits

RFID Proximity Identification Technology

Key features:

- Wireless Access Control
- Panic Release Mortise Lockcase
- Audit trail information
- Mechanical key override
- Auto locking option

Benefits:

- Great user comfort
- Advanced safety and security
- Detailed insight and risk management
- Emergency entry
- Ease of use

Standard & Certification

EN12209
Compliance

Technical details:

- Lockset with RFID Proximity reader
- Powered by 4xAA batteries that provide up to 12 months normal usage
- Under voltage indication
- 500 event audit trail
- 2 alternative Stainless Steel handles
- High security mortise lockcase available in two European versions
- Panic release function – the deadbolt and latch are automatically retracted by inside handle for easy egress in emergency situations
- Optional door access controller wall reader for common access points





Wireless Access Control



Access Control



User friendly Software



Common access points, and emergency exits



RFID Technology

Features and Flexibility

ASSA ABLOY Wireless Access Control Light Commercial locking solution provides you with all the features you will need to manage your security requirements and provide peace of mind to all users. Our locking solutions provide total flexibility, adapting our solutions to your specific needs.

ASSA ABLOY Wireless Access Control Escutcheon

RFID Proximity Identification Technology

- Characteristics of Wireless Access Control Lock:**
- Stand-alone Electronic Wireless Access Control lockset with RFID Proximity reader
 - Powered by 4xAA batteries that provide up to 12 months normal usage
 - 500 event audit trail
 - Stainless Steel Escutcheon
 - 2 alternative Stainless Steel handles
 - High security mortise lockcase available in two European versions
 - Panic release function – the deadbolt and latch are automatically retracted by inside handle for easy egress in emergency situations
 - 3 point steel latch construction with an antifriction mechanism
 - High quality card reader that reads with optimal accuracy



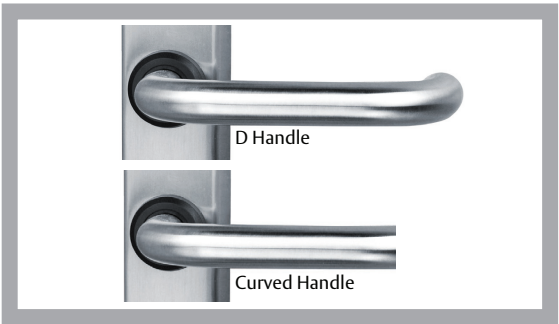
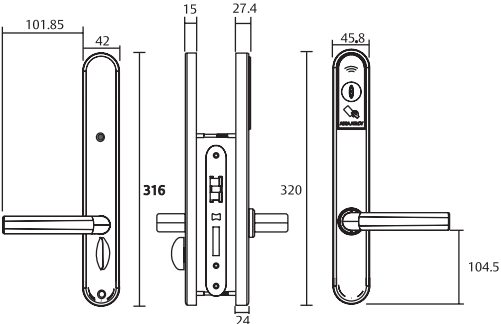
Lever Handle Dimension

Technical details

Technical details:	
Door Opening Time	Open the door after pressing the handle, automatically locks within 5 seconds
Under Voltage Indication	Early warning given for low batteries - units will continue to operate for approximately 50 times until such time the batteries can be changed
Working Conditions	
Anti-Static Interference	>15000V
Working Humidity	20%-98%
Working Temperature	-20°C - +70°
RFID Card	
RFID Card Type	ISO 14443A MIFARE
Frequency	13.56MHz
Induction Distance	Approx. 30mm

Wireless Access Control

Lever Handle Dimension



Wireless Access Control

Technical details

Technical details:

User Cards	<p>Opens locks (which it has been granted applicable access rights) within the "Access Control System" within a specific time period. The access rights for each user are programmed by the software and encoder</p> <p>User cards will not open doors that have the internal 'Privacy mode' set</p>
Setting Card	Set the Address ID of door lock
Time Card	Set the door lock "real time"
Recorder Card	Reads the Audit Trail Information from the locking devices
Special IC card	Activates the card issuing system (Management Software)
Reset Card	For initializing the door locks. (Red Light upon presentation indicates a fault.)
Cylinder + Key	Each Wireless Access Control Escutcheon Lockset is equipped with a mechanical key override to assist with gaining entry
Encoder	<p>Plug-in-and-Play USB Card Encoder</p> <p>Easy to learn and use: it easily assigns new users and cards, it modifies them or invalidates lost or stolen cards</p> <p>Programs all Cards Types except for the Special IC card, which is used to activate the software management system</p> <p>Reads the audit trail of locks and cards</p> <p>Windows® based</p>
Door Access Controller Wall Reader	<p>RFID Door Access Controller Wall Reader can be used on an entry door as part of the complete wireless access control system. It can also be used on any other common area doors in the building</p> <p>The RFID Door Access Controller Wall Reader can be used with a number of different electronic lock types. Compatible with electronic magnets, drop bolts, motorized locks and electric strikes</p> <p>Includes the correct power supply and request to exit button (REX) on the inside of the door to allow convenient free egress for all users</p>

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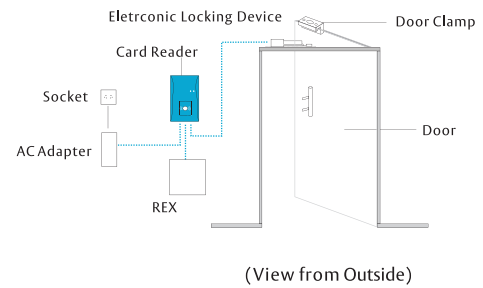
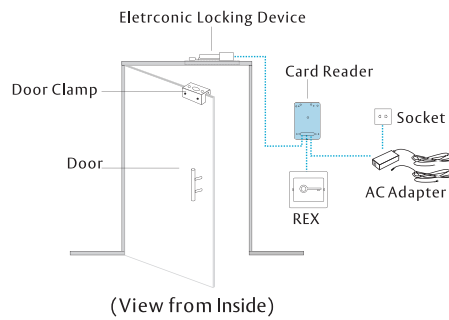


Access Control Management System

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Wireless Access Control

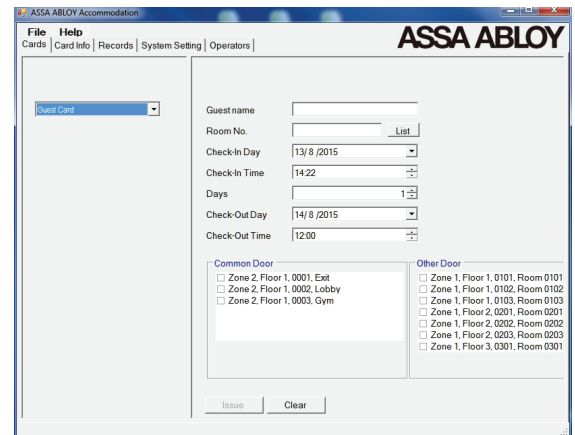
Door Access Controller Wall Reader:



Access Control Management System

Software: A simple to use software system that makes it easy to manage and maintain your access control

- Basic door management software system that is simple to add and delete doors/users as necessary
- Flexible user access rights
- Software Management Cards for activating card issuing system and initializing the door locks
- Access Management Setting Cards for setting the Wireless Access Control Lock ID and “real time” clock
- Audits: Show and report on;
 - Lists of individual doors
 - Identification of users
 - Doors by floor, building, block, zone etc
 - A report of every opening/closing registered by all locks/readers
 - All events relating to the operation of the software (Logins etc.)
- Different levels for operators (Administrators)
- Intuitive Windows® based software connected to a USB card encoder to program/issue cards



Product Reference Codes Functions

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Wireless Access Control

Computer Requirements

Computer Requirements:	ASSA ABLOY Desktop Client:	ASSA ABLOY Server Client:
Supported Operating Systems:	Windows 7, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Vista, Windows XP	Windows 7, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2,
System Memory:	Minimum 2 GB	Minimum 4 G
Hard Disk:	1 GB of Disk Space	4 GB of Disk Space
Processors: ASSA ABLOY Desktop Client & ASSA ABLOY Server / Client:		
X86:	Pentium III-compatible processor or faster (Processor Speed - 1.0 GHz or faster)	
X64:	Minimum: AMD Opteron, AMD Athlon 64, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM64T support (Processor Speed - 1.0 GHz or faster)	

Wireless Access Control

Product Reference Codes Functions

Model no.	Description
Software: AA-ACC-SOFTWARE AA-ACC-ENCODER	Management Software (Includes One System Special IC Card) Card Encoder
Locksets / Escutcheon: Entrance Mortise Lock: AA-ACC-EN-LOCK-SL AA-ACC-EN-LOCK-SR AA-ACC-EN-LOCK-DL AA-ACC-EN-LOCK-DR	Escutcheon - Entrance Mortise locks with latch & deadbolt – Standard Handle (Left Hand) Escutcheon - Entrance Mortise locks with latch & deadbolt – Standard Handle (Right Hand) Escutcheon - Entrance Mortise locks with latch & deadbolt – D Handle (Left Hand) Escutcheon - Entrance Mortise locks with latch & deadbolt – D Handle (Right Hand)
Store Room Mortise Lock: AA-ACC-ST-LOCK-SL AA-ACC-ST-LOCK-SR AA-ACC-ST-LOCK-DL AA-ACC-ST-LOCK-DR	Escutcheon - Storeroom Lock Mortise Latch Only – Standard Handle (Left Hand) Escutcheon - Storeroom Lock Mortise Latch Only – Standard Handle (Right Hand) Escutcheon - Storeroom Lock Mortise Latch Only – D Handle (Left Hand) Escutcheon - Storeroom Lock Mortise Latch Only – D Handle (Right Hand)
Cards: AA-ACC-IC CARD AA-ACC-RECORD AA-ACC-USER CARD	Special IC Card: Activates the card issuing system. (System Card) Recorder Card: Reads the Audit Trail Information from the Locking devices User Cards: Writeable User Cards
Product Accessories: AA-ACC-WALL	Wall RFID Door Access Controller (Includes) Power Supply & REX (Request to Exit Button)



Electromagnetic Locking

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The global leader in
door opening solutions

ASSA ABLOY Electromagnetic Locking

Features & Benefits

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A4 Single & Double Electromagnetic Lock

Key features:

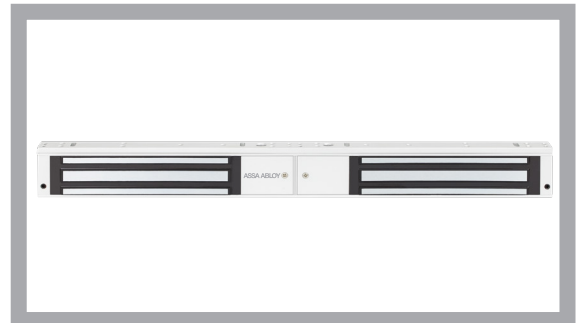
- Fail-Safe: unlocks when power is removed
- Easy installation: suitable for both new and retrofit usage
- High holding force: refer to the technical data overleaf
- Self-alignment: armature plate pivots to accommodate door drop
- Silent operation: no humming or buzzing
- Dual voltage: site selectable 12 or 24 Vdc
- Instantaneous release: smart electronics on the A Series Electromagnets eliminate residual magnetism
- 3 Year ASSA ABLOY Warranty

Technical details:

- Holding forces from 250kg up to 280kg for single leaf, 500kg up to 560kg for double leaf
- Dual voltage: site selectable 12 Vdc or 24 Vdc
- High holding force: refer to the technical data overleaf
- Self-alignment: armature plate pivots to accommodate door drop

Benefits:

- Great user comfort
- Advanced safety and security
- Detailed insight and risk management
- Emergency entry
- Ease of use



A4 Single Leaf Electromagnetic Lock ASSA ABLOY

A4 Single Electromagnetic Lock

Electromagnetic Locking:

The Single Series Electromagnetic Locks operate with holding forces from 250kg up to 280kg. Covering a range of applications the A4 Electromagnets are ideal for applications from cupboard doors through to high use commercial swing doors.

With fixing options including wood, aluminium and steel constructions as well as glass door applications, the range caters to most electromagnetic needs



A4 Single Electromagnetic Lock

Technical details

Technical details:

	Non Monitored	Monitored
Holding Force	250-280 Kg	250-280 Kg
Dimensions	(L)250 x (H)47 x (D) 26mm	(L)250 x (H)47 x (D) 26 mm
Voltage	12Vdc/24Vdc +/- 10%	12Vdc/24Vdc +/- 10%
Current	450mA @ (12Vdc) 225mA @ (24Vdc)	450mA @ (12Vdc) 225mA @ (24Vdc)
Monitoring	Hall-Effect (Optional)	Hall-Effect & Reed Switch
Operating Temperature	-10 to 55 Degrees	-10 to 55 Degrees
Operating Humidity	0-90%	0-90%

Applications

- Aluminium doors
- Glass doors
- IT storage rooms
- Access control
- Surface mount for inward and outward swinging doors

A4 Single Leaf Electromagnetic Lock

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A4 Single Electromagnetic Lock

Electromagnetic Locking:

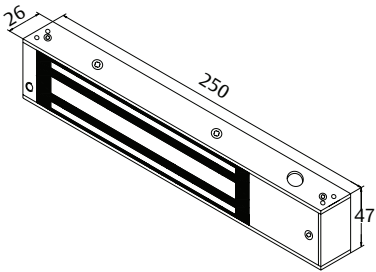
The Single Series Electromagnetic Lock should be constructed in an aluminium case with heavy duty electromagnet. The range only operates in Fail Safe mode and relies on a secondary lock or battery backup system. In some cases the Magnet Armature Plate pivots to accommodate door drop. The lock needs to be equipped with “smart electronics” that have zero residual magnetism (instantaneous release). This is crucial for correct operation



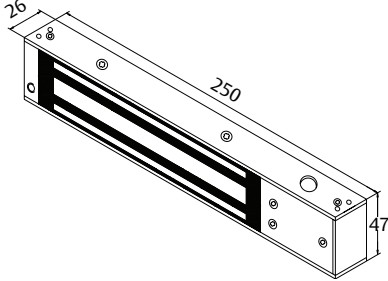
A4 Single Electromagnetic Lock - Non Monitored



A4 Single Electromagnetic Lock - Monitored

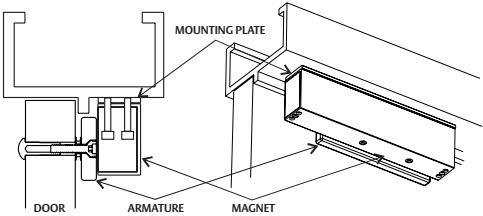


Non Monitored Lock



Monitored Lock

Typical Installation



Typical Install for A4 out swinging doors

Ordering Information

Part Number	Product Description
AAIEMAGA4SSH5AL	EMA4 E/Magnet 12/24Vdc Single Non Monitored
AAIEMAGA4SSHRAL	EMA4 E/Magnet 12/24Vdc Single Monitored

A4 Double Leaf Electromagnetic Lock ASSA ABLOY

A4 Double Electromagnetic Lock

Electromagnetic Locking:

The Electromagnetic Locks operate with holding forces from 500kg up to 560kg. Covering a range of applications these magnets are ideal for applications from access ways through to high use commercial swing doors. With fixing options including wood, aluminium and steel constructions as well as glass door applications, the range caters to most electromagnetic needs.



A4 Double Electromagnetic Lock

Technical details

Technical details:

	Non Monitored	Monitored
Holding Force	500-560 Kg	550-560 Kg
Dimensions	(L)500 x (H)47 x (D) 26mm	(L)500 x (H)47 x (D) 26 mm
Voltage	12Vdc/24Vdc +/- 10%	12Vdc/24Vdc +/- 10%
Current	900mA @ (12Vdc) 450mA @ (24Vdc)	900mA @ (12Vdc) 450mA @ (24Vdc)
Monitoring	Hall-Effect (Optional)	Hall-Effect & Reed Switch
Operating Temperature	-10 to 55 Degrees	-10 to 55 Degrees
Operating Humidity	0-90%	0-90%

Applications

- Aluminium doors
- Double swing doors
- Access control
- Surface mount for inswing and outswing doors

A4 Double Leaf Electromagnetic Lock

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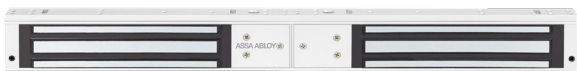
A4 Double Electromagnetic Lock

Electromagnetic Locking:

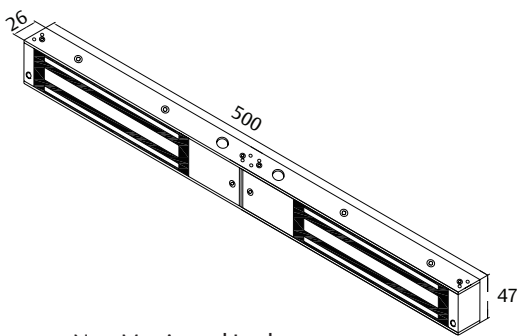
The Double Series Electromagnetic Lock should be constructed in an aluminium case with heavy duty electromagnet. The range only operates in Fail Safe mode and relies on a secondary lock or battery backup system. The lock needs to be equipped with “smart electronics” that have zero residual magnetism (instantaneous release). This is crucial for correct operation



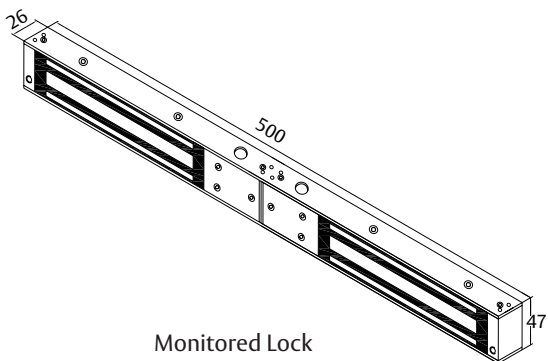
A4 Double Electromagnetic Lock - Non Monitored



A4 Double Electromagnetic Lock - Monitored

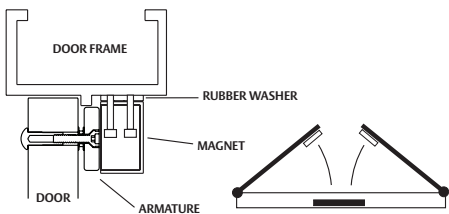


Non Monitored Lock



Monitored Lock

Typical Installation



Out swinging door using the standard mounting plate

Ordering Information

Part Number	Product Description
AAIEMAGA4DSHSAL	EMA4 E/Magnet 12/24Vdc Double Non Monitored
AAIEMAGA4DSHRAL	EMA4 E/Magnet 12/24Vdc Double Monitored

Accessories
Electromagnetic
Lock

Electromagnetic Lock Accessories:
The Electromagnetic Lock range offers a number of accessory options. These accessories allow the Electromagnetic Locks to be used in a number of different applications and can be adjusted and suited to each situation. This allows the installer to configure the door as required allowing user specific features such as open in / open out selection or glass door applications. Electromagnetic Lock Accessories meet or exceed local and international standards, providing safe and secure locking.

- Key features:**
- Adjustable fixing positions
 - Cast aluminium construction
 - Meet and exceed international and local standards



L and Z Brackets

Monitoring Options:
Hall-Effect monitoring or Bond Sensor

This is a monitoring output from electromagnetic lock by detecting an armature plate and notifying access control and/ or alarm systems that a door is properly secured. The sensitive magnetic field monitors the surface of the armature plate, providing maximum assurance that the lock is engaged. Movement in the armature's position beyond the set tolerance alerts the access control system that the magnetic lock may not be generating its full holding force.



U Bracket



U Bracket Plate

Reed Switch or Door Position Sensor
The Door Position Switch provides a signal to an access control system indicating whether the door is open or closed. When used in conjunction with bond sensor, it provides layered status indication for precise information about the door state.

Applications

- Open in/open out doors
- Glass door security
- Double doors security
- Sliding door security

Ordering Information

Part Number	Product Description
AAIEBKA4SLAL	L bracket for A4 600 lbs magnet
AAIEBKA4SZLAL	Z & L bracket for A4 600 lbs magnet
AAIEBKA4SULAL	U bracket for A4 600 lbs magnet
AAIEBKA4SIAL	I bracket for A4 600 lbs magnet

Why are we the global leader in door opening solutions?

ASSA ABLOY Brands



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

www.assaabloy.com

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