

ASSA ABLOY - SW300

Automatic swing door drive unit



World class operator to automate 1 metre width swing doors that weigh up to 420kg. The 70mm slim design without any compromise with performance: ideal for limited space and aesthetical requirements. Wide range of operating modes including PUSH&GO, Power Assist and LOW ENERGY. The SW300 is fully compliant with European standards (EN 16005) and fire approved (EN 1634-1), the perfect solution for creating and maintaining security, smoke and fire zones.

Basic connections for safety sensors, activation devices and mains power supply are all that is required to have the SW300 up and running. Simplicity of installation is key to the SW300 operator's success contributing to keeping it at the top of its class in the global market.

Performance

- High performance with up to 420 kg door weight using a push arm and 1000mm door leaf configuration
- Reliable operator: strong components and real time self monitoring of the operator status
- Inverse option
- Safety and quality guaranteed by compliance with most European standards, including BS EN16005
- Tested to 1,000,000 cycles
- Very low noise level
- Suitable for fire doors

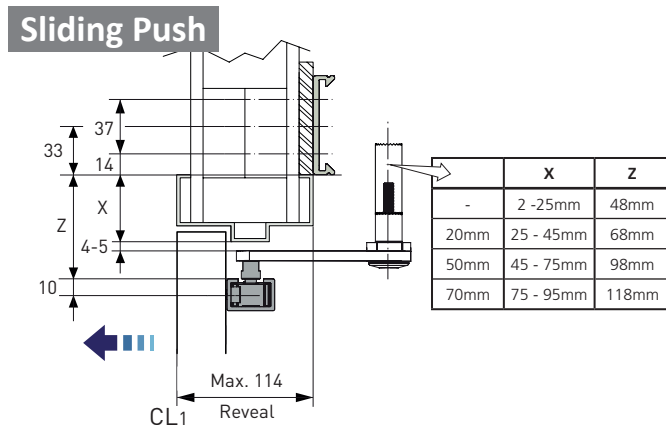
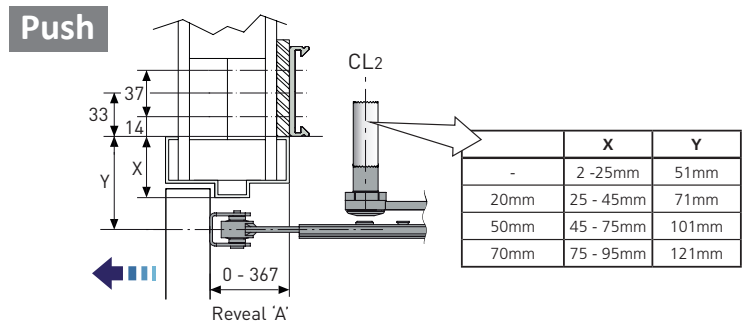
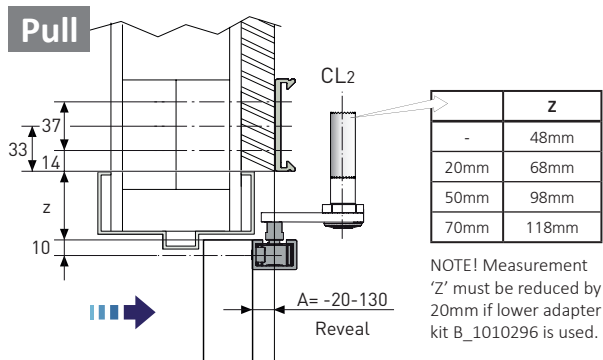
Convenient & flexible

- Easy to install, to set, and to maintain: available PUSH or PULL configurations
- Easy program selection to expand functions
- Operator suitable for left & right hand applications
- Fully Automatic, Low Energy, Push & Go and Power assisted operation all included within the standard unit
- Double action breakout arm option

Technical Specification

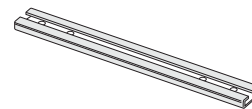
Door weights & widths (see inertia graph page 3)	420kg @ 1.0m (Push Arm) - max leaf width 1.4m
	240kg @ 1.0m (Pull Arm) - max leaf width 1.4m
Power supply	100-240 V AC +10/-15%, 50/60 Hz
Power Consumption	max. 300W
Opening time	Variable Between 2.5 - 12 s (0-80°)
Closing time	Variable Between 4 - 12 s (90°-10°)
Hold Open Time	Adjustable 1.5 - 30 seconds
Protection level	IP20 Product (for internal use only)
Dimensions mm (H x D x L)	70mm(h) x 840mm(d) x 148mm(l)
Operating temperature	-20°C / +45°C
Drive Unit Weight	7.6kg

ASSA ABLOY – SW300

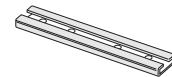


Std Push Arm Extensions

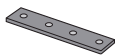
	A = Reveal
None (Standard arm)	0-22mm
Extension L=345mm	22-137mm
Extension L=230mm+ joint part	137-252mm
Extension L=345mm+ 230mm+ joint part	252-367mm



345 mm extension
Art. No.: 173005BK/SI



230 mm extension
Art. No.: 173004BK/SI

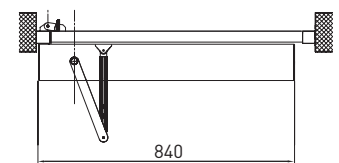
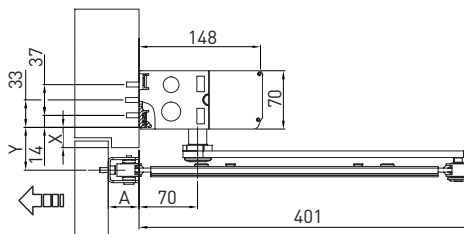


Joint part
Art. No.: 173191

Drive arm options

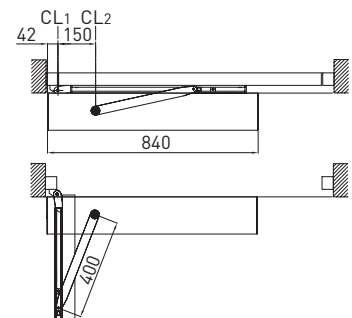
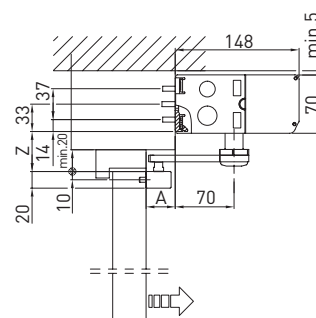
Push Arm B_1007965BK/SI

(Standard) Arm with articulated motion. Lintel depth 0 - 22mm.
(Max.367 with extensions)



Pull/Push Slide Arm B_1008401BK/SI

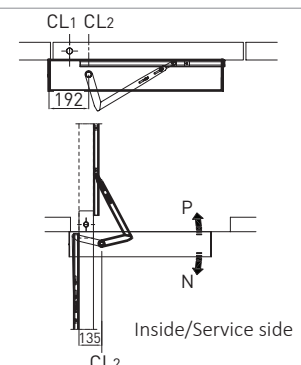
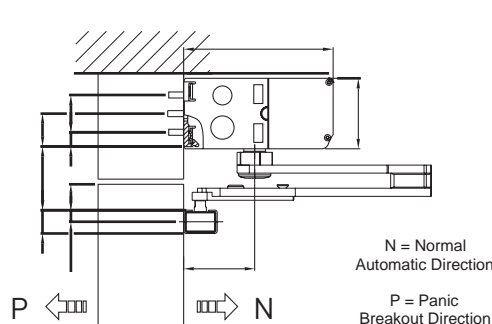
(Standard) Arm with sliding motion with guide channel, used for either Pull or Pushing applications. Lintel depths Pull -20 - 130mm & Push 114mm



Double Acting Arm Kits

DIN RH Arm B_1014090BK/SI
DIN LH Arm B_1014091BK/SI

One way automatic opening and opposite way panic opening. Identify the automatic opening, sliding PUSH or PULL. Opposite direction will be the manual breakout.



ASSA ABLOY – SW300

Technical specifications

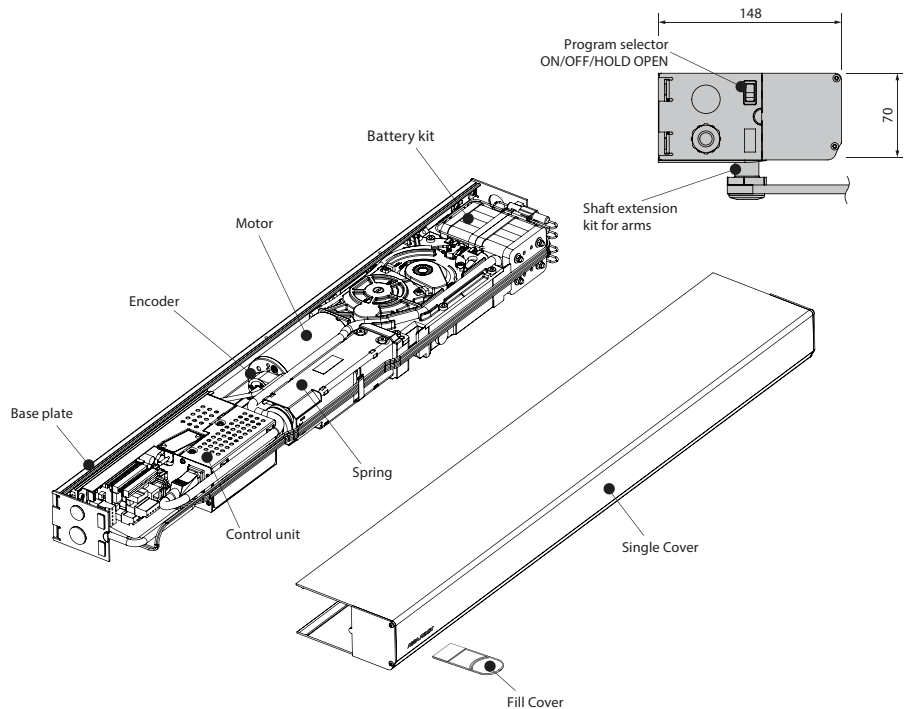
SW300 Performance

Automation systems for one or two-wing swing doors, with motorised opening and closure via motor + spring or spring only. Easy to install on new or existing doors.

An entrance equipped with the SW300 operator is always accessible due to battery back-up. The SW300 also monitors the battery for power and function, and gives an electronic indication if it is not working properly and needs to be replaced.

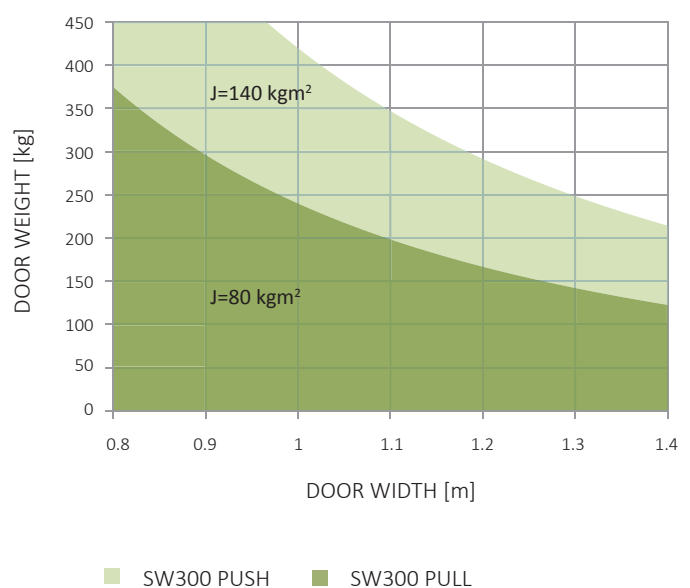
The operator is truly reliable during all weather conditions as it is not affected by stack pressure and wind load when opening and/or closing. Also, for your convenience, safety and quick exit, the SW300 can easily be manually opened, despite extended closing torque, due to sensor detection ensuring lowest manual opening force.

In addition to the standard version, there is a Double Acting (DA) function with possibility for manual opening in both directions with automatic reset.



SW300	
Power	100 - 240V~ +10/-15% 50/60 Hz
Door Size	PUSH arm system; size 4 - 7 PULL arm system; size 4 - 6
Power supply for accessories	24V DC 700 mA max.
Electro-mechanical locking device	Selectable; 12VDC, max.1200mA or 24V DC, max 600mA
Door opening angle	Push Arm 80° - 110° with reveal of 0 - 367mm. Pull Arm 80° - 110° with reveal of -20 - 130mm.
Type of operation	Motor opening Spring-plus-motor closure
Maximum door weight (see inertia graph)	240kg SW300 Pull Arm (1m wing) 420kg SW300 Push Arm (1m wing)
Minimum number of manoeuvres in AVERAGE conditions of use	1,000,000 cycles

INERTIA GRAPH



ASSA ABLOY – SW300

Accessories

SW300 drive units are complimented by a wide range of accessories giving additional choices and features.



B_1007965BK/SI Push Arm
Used if the operator is installed on the wall on the opposite side of the door swing.



B_173004BK/SI Push Arm Extension
For reveal L = 230mm



B_173191 Joint Plate for Push Arm extensions
For reveal L=235-300mm



B_173005BK/SI Push Arm Extension
For reveal L = 345mm



B_1010296BK/SI Lower Adapter M10
Used for 20mm lower installation height.

Double Acting Kits

One way automatic opening and opposite way panic opening. Identify the automatic opening, sliding PUSH or PULL, Opposite direction will be the manual breakout.



B_1014091BK/SI Double Acting Kit (DIN LH) Arm



B_1014090BK/SI Double Acting Kit (DIN RH) Arm



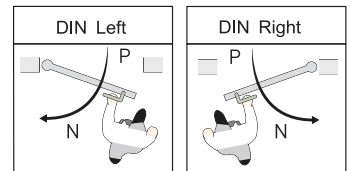
B_1008401BK/SI std Pull & Sliding Push Arm
Slim slide-track arm system. Max reveal A= -20-130 mm, Slide-track = 690mm. Used for pull and sliding push applications.



B_1003554 EXU-SI PCB (Optional)
Security extension board has inputs for electro-mechanical lock, program selector, batteries, KILL function, OPEN/CLOSE, KEY opening and outer impulse.



B_1003557 EXU-SA PCB
Safety board to interface door mounted safety sensors.



Operator/Door handing (DIN Right or DIN Left) is determined by which side the hinges are mounted seen from the swing side.



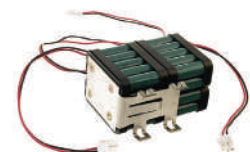
B_1019618BK/SI Drive Shaft Extension Kit M10
Includes 20 / 50 / 70mm.



B_1003583 SW300 Sync Cable
Used when connecting two units together for double door entrances.



B_1021281BK/SI Centre Cover Kit
Used for double door entrances, SAA Finish with Black or Silver end pieces L = 950mm.



B_1007823 (Optional)
Battery pack, works in conjunction with the security board (B_1003554) to continue operation of the door during power failure.



B_1014317BK/SI Pull Arm Reveal Spacer
Size: 40 x 60mm
Material: Aluminium



SAP-2220A
Remotely located 3 position switch.

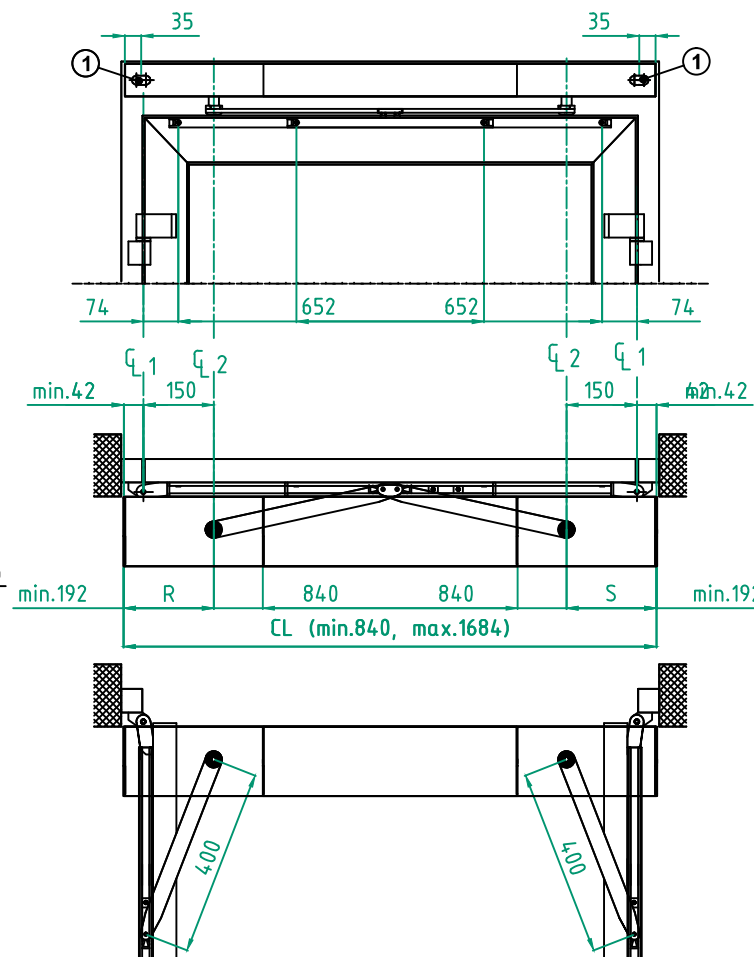
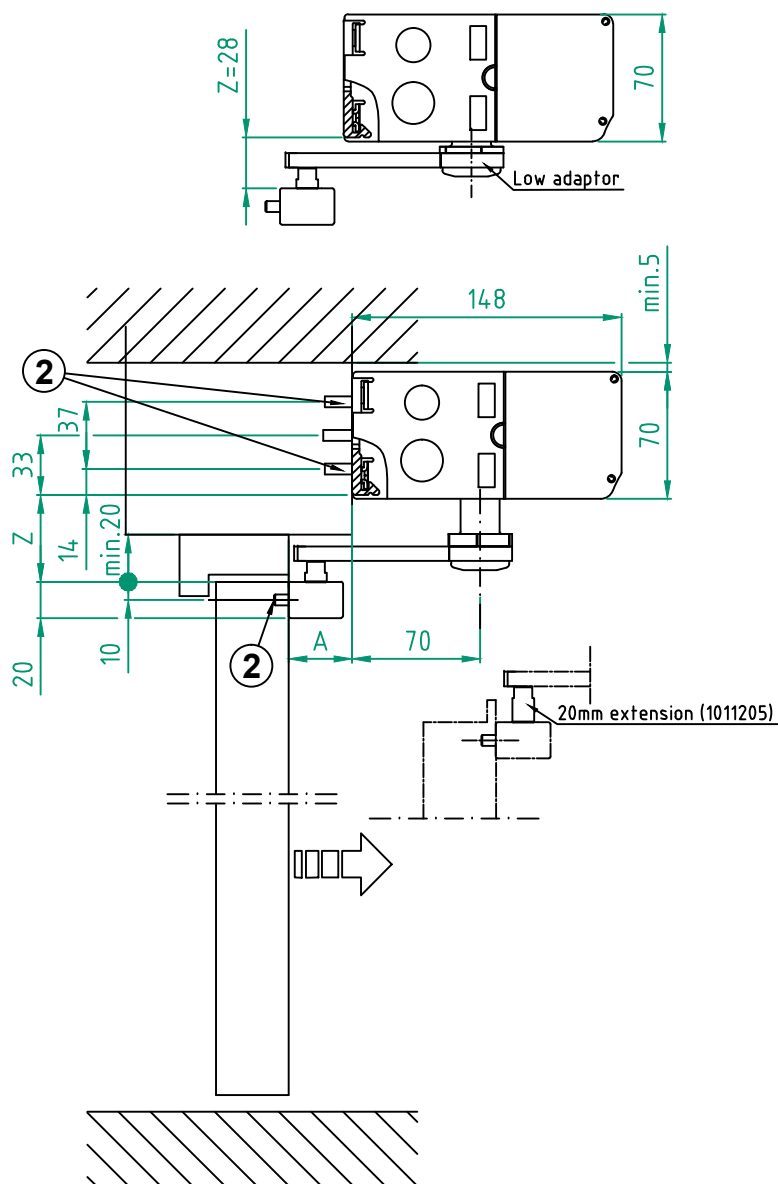


SAP-4122 & SAP-4123 BEA 4SAFE Swing Door Safety Sensors
Aluminium profile with black anodized finish, L = 350 & 900mm.



SAP-4150-2 BEA FlatScan Swing Door Safety Sensors
Laser Technology, left & right hand set.

Unit 14b, Wakes Hall Business Centre, Colchester Road, Wakes Colne, Essex CO6 2DY



STATE WHEN ORDERING

Surface treatment

- ☐ Silver anodized
Special anodized
RAL
Special powder coating

Cover end plates

- ☐ BK
☐ SI
☐ Basic
☐ Fire door
☐ Connection box
☐ Connection plug

Options see layers

- ☐ Cover Standard
☐ Cover Full length, CL = mm
R = mm
S = mm

If R or S is set to "0", no cutouts will be made.

- CL 1 = Hinges
CL 2 = Operator drive shaft
A = Reveal -20mm to 130mm
1 = Cable inlet
2 = Reinforcements required

Z	Shaft extension
48	0
68	20
98	50
118	70

Customer:

Ref:

Door id:

Date:

Project No:

Sign:

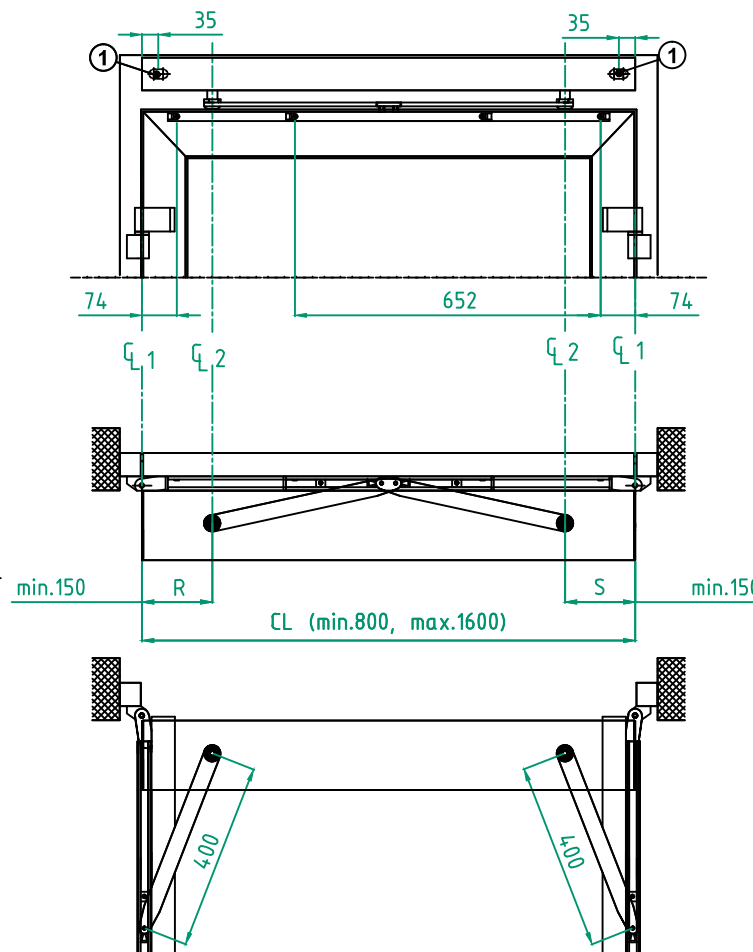
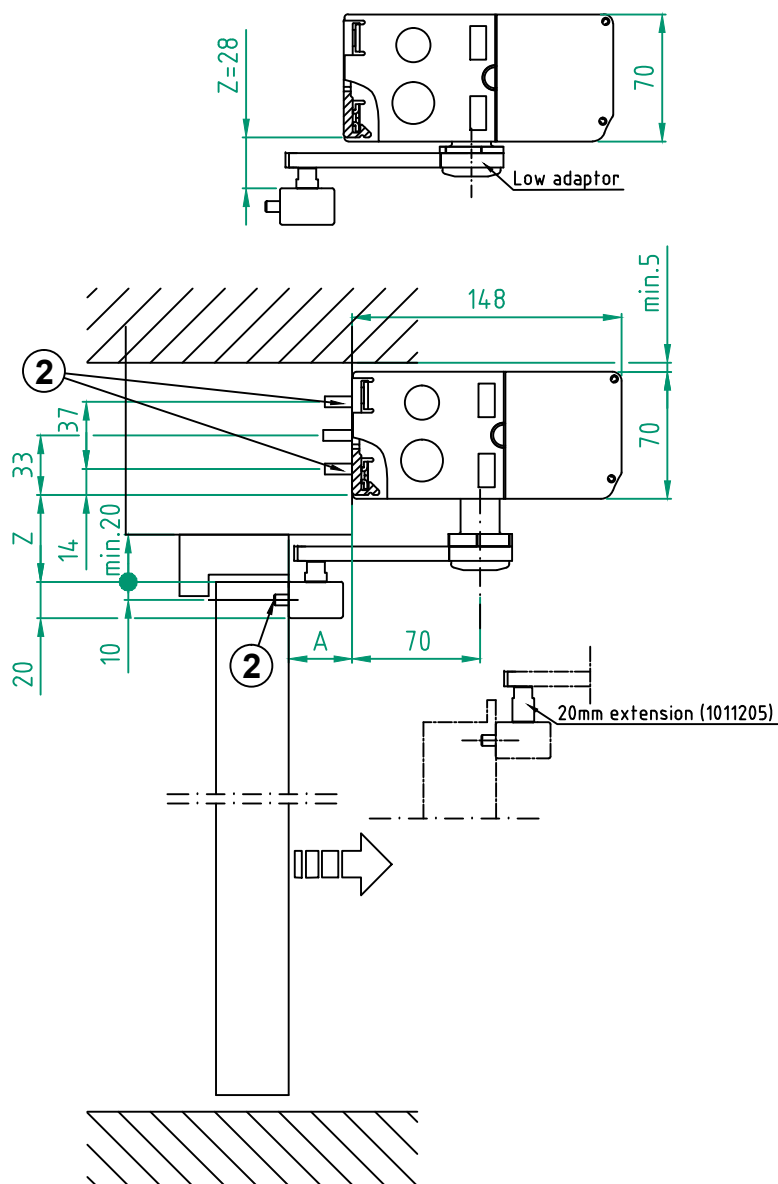
Swing door operator
ASSA ABLOY SW300-1 (Art. No. 1009168)
ASSA ABLOY SW150-1 (Art. No. 1009169)

PULL, DIN Right

ASSA ABLOY

18.0

1009168-en



STATE WHEN ORDERING

Surface treatment

- ☐ Silver anodized
Special anodized
RAL
Special powder coating

Cover end plates

- ☐ BK
☐ SI

☐ Basic
☐ Fire door
☐ Connection box
☐ Connection plug

Options see layers

- ☐ Cover Standard
☐ Cover Full length, CL = mm
R = mm
S = mm

If R or S is set to "0", no cutouts will be made.
Note! No space for battery if R/S<192

- 1 = Hinges
2 = Operator drive shaft
A = Reveal -20mm to 130mm
1 = Cable inlet
2 = Reinforcements required

Z	Shaft extension
48	0
68	20
98	50
118	70

Customer: _____

Door id: _____

Project No: _____

Ref: _____

Date: _____

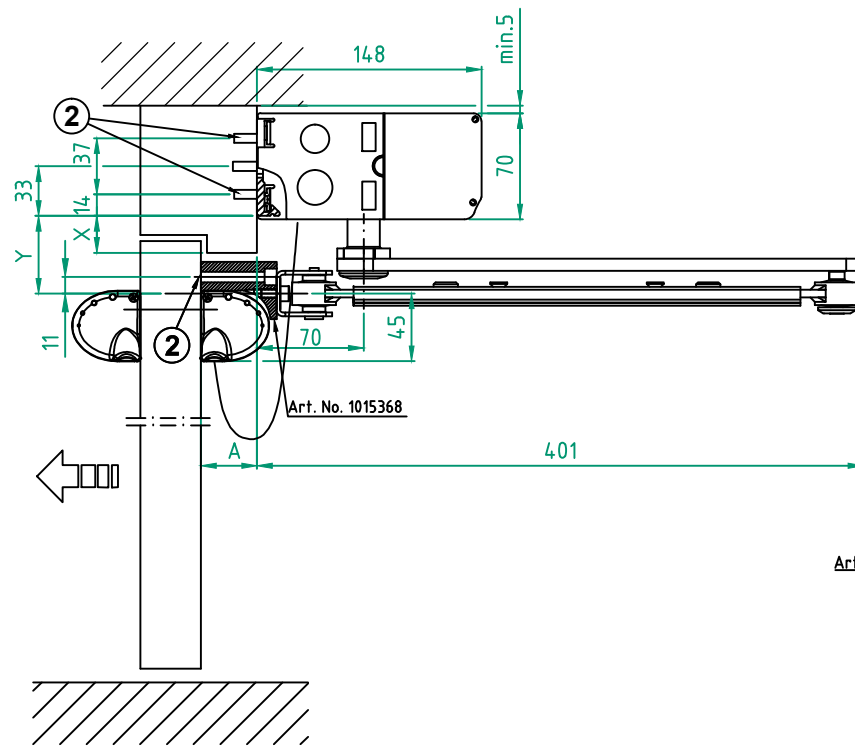
Sign: _____

Swing door operator
ASSA ABLOY SW300-1 (Art. No. 1009168)
ASSA ABLOY SW150-1 (Art. No. 1009169)
PULL arm with shorty cover, DIN Right

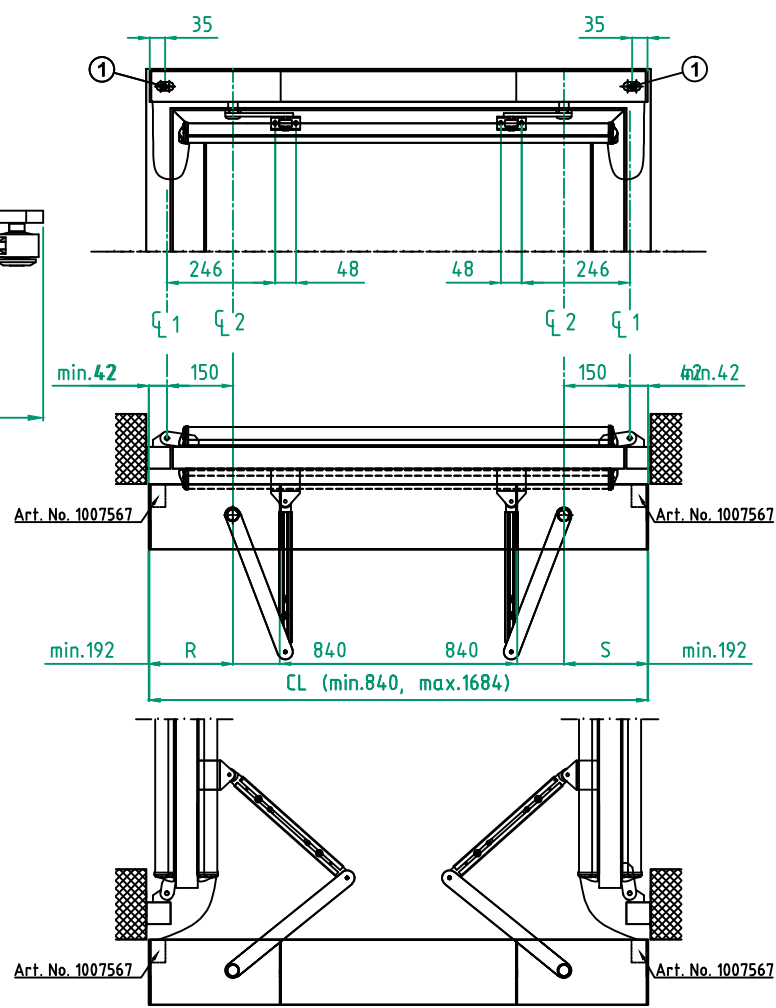
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Extension	A
0	0-22
345	22-137
230+joint part	137-252
345+230+joint part	252-367



STATE WHEN ORDERING

Surface treatment
☐ Silver anodized
Special anodized
RAL
Special powder coating

Cover end plates
☐ BK
☐ SI

☐ Basic
☐ Fire door
☐ Connection box
☐ Connection plug

Options see layers
☐ Cover Standard
☐ Cover Full length, CL = mm
R = mm
S = mm
If R or S is set to "0", no cutouts will be made.

CL 1 = Hinges
CL 2 = Operator drive shaft
1 = Cable inlet
2 = Reinforcements required

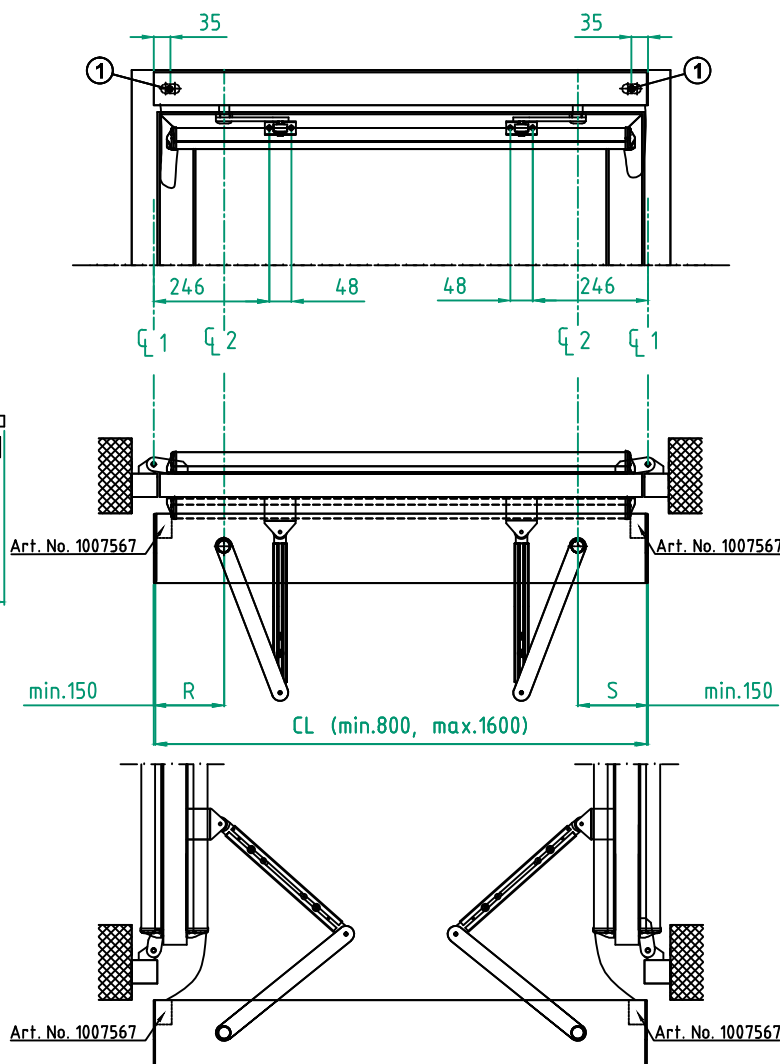
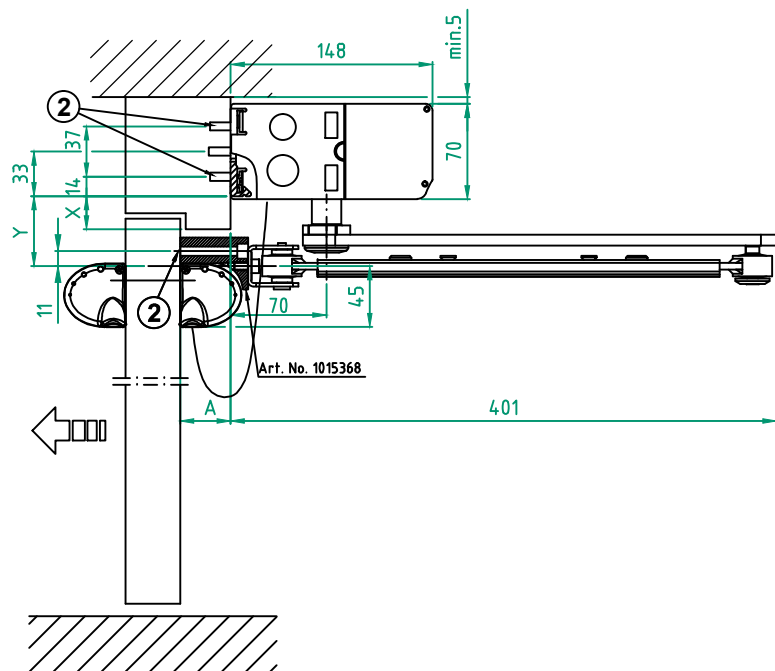
X	Y	Shaft extension
2-25	51	0
25-45	71	20
45-75	101	50
75-95	121	70

Customer: _____
Door id: _____
Project No: _____

Ref: _____
Date: _____
Sign: _____

Swing door operator
ASSA ABLOY SW300-1 (Art. No. 1009168)
ASSA ABLOY SW150-1 (Art. No. 1009169)
PUSH, DIN Right

ASSA ABLOY
18.0 1009168-en



STATE WHEN ORDERING

Surface treatment

- ☐ Silver anodized
Special anodized
RAL
Special powder coating

Cover end plates

- ☐ BK
- ☐ SI
- ☐ Basic
- ☐ Fire door
- ☐ Connection box
- ☐ Connection plug

Options see layers

- ☐ Cover Standard
- ☐ Cover Full length, CL = mm
- R = mm
- S = mm

If R or S is set to "0", no cutouts will be made.
Note! No space for battery if R/S<192

ℒ 1 = Hinges

② 2 = Operator drive shaft

A = Reveal -20mm to 130mm

1 = Cable inlet

2 = Reinforcements required

Z	Shaft extension
48	0
68	20
98	50
118	70

Customer:

Door id:

Project No:

Ref:

Date:

Sign:

Swing door operator

ASSA ABLOY SW300-1 (Art. No. 1009168)

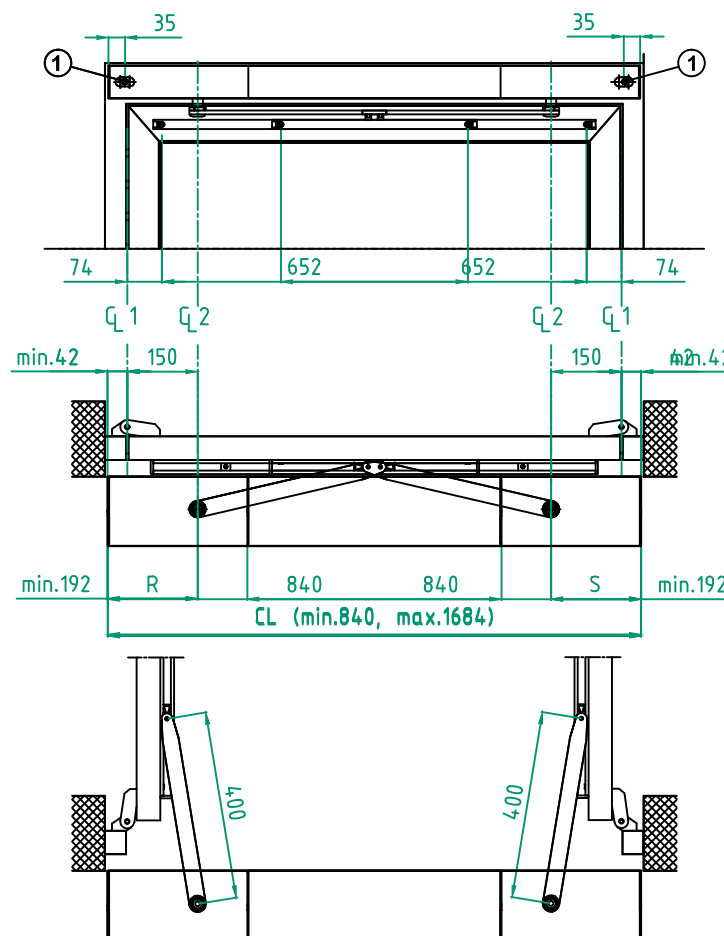
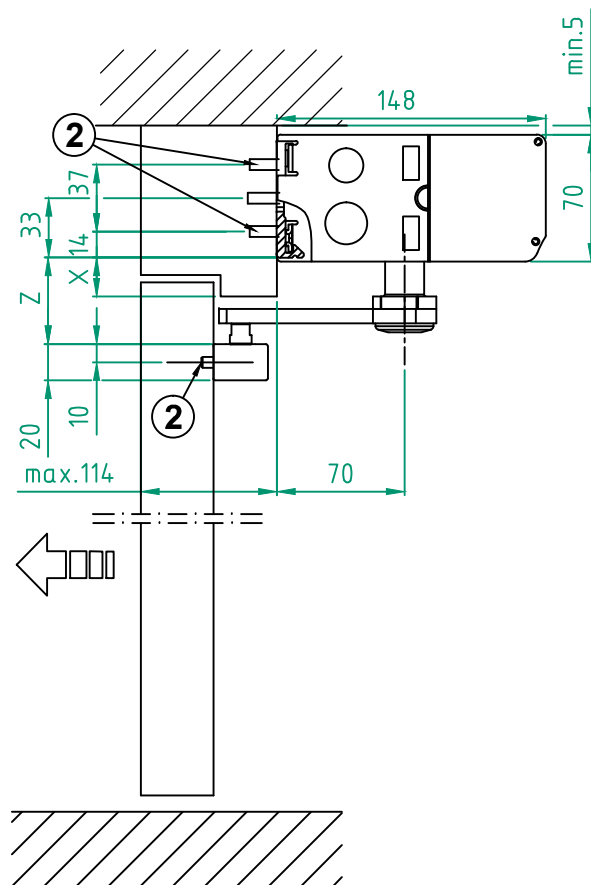
ASSA ABLOY SW150-1 (Art. No. 1009169)

PUSH arm with shorty cover, DIN Right

ASSA ABLOY

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1009168-en



STATE WHEN ORDERING

Surface treatment

- ☐ Silver anodized
Special anodized
RAL
Special powder coating

Cover end plates

- ☐ BK
- ☐ SI
- ☐ Basic
- ☐ Fire door
- ☐ Connection box
- ☐ Connection plug

Options see layers

- ☐ Cover Standard
- ☐ Cover Full length, CL = mm
- R = mm
- S = mm

If R or S is set to "0", no cutouts will be made.

1 = Hinges

② 2 = Operator drive shaft

- 1 = Cable inlet
2 = Reinforcements required

X	Z	Shaft extension
2-25	48	0
25-45	68	20
45-75	98	50
75-95	118	70

Customer:

Door id:

Project No:

Ref:

Date:

Sign:

Swing door operator

ASSA ABLOY SW300-1 (Art. No. 1009168)

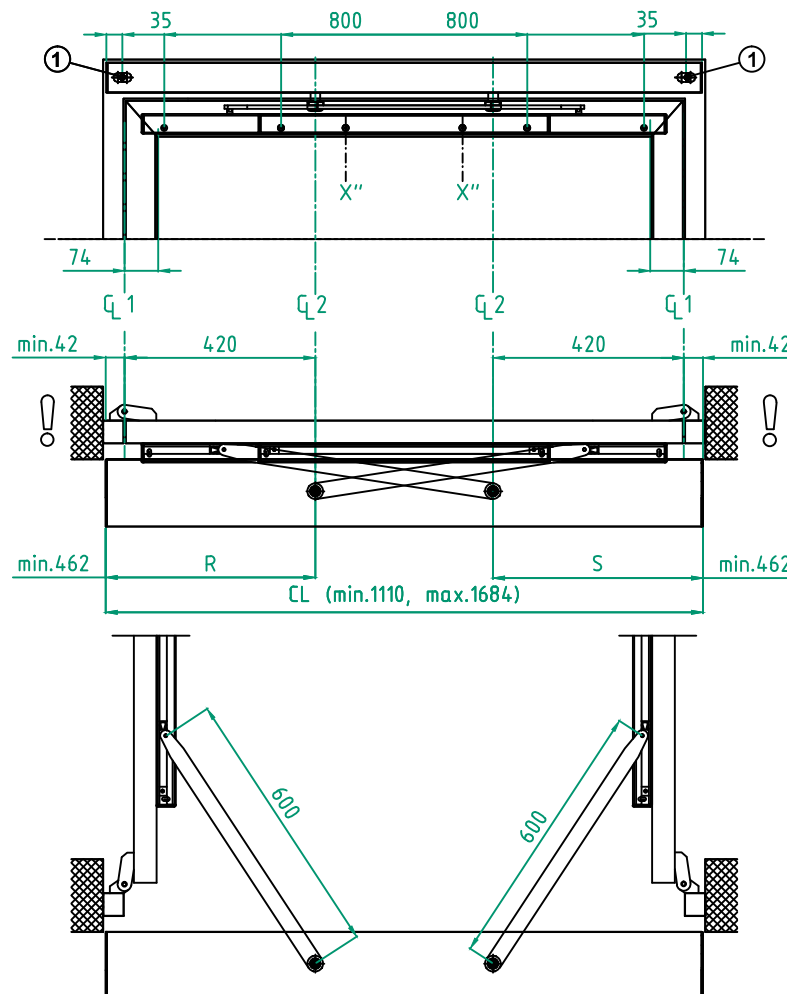
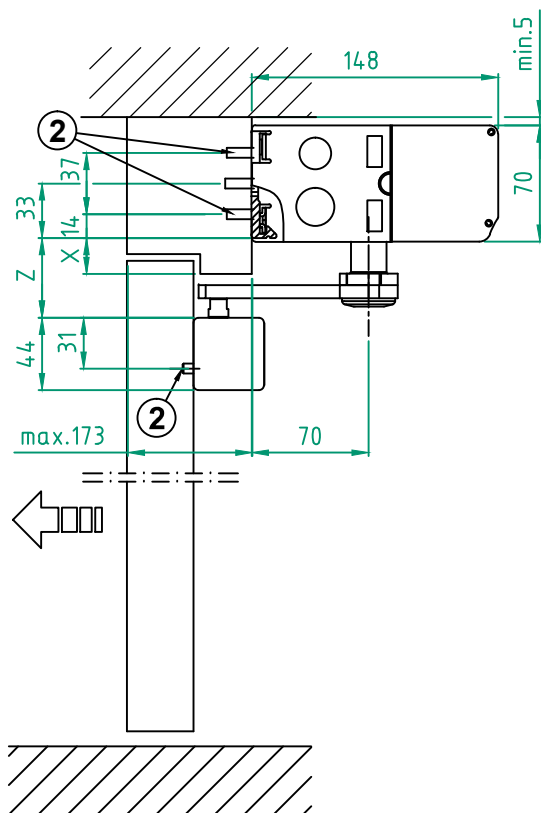
ASSA ABLOY SW150-1 (Art. No. 1009169)

Sliding PUSH-PULL-400, DIN Right

ASSA ABLOY

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STATE WHEN ORDERING

Surface treatment

- ☐ Silver anodized
Special anodized
RAL
Special powder coating

Cover end plates

- ☐ BK
☐ SI

☐ Basic
☐ Fire door
☐ Connection box
☐ Connection plug

Options see layers

- ☐ Cover Full length, CL = mm
R = mm
S = mm

If R or S is set to "0", no cutouts will be made.

CL 1 = Hinges

CL 2 = Operator drive shaft

A = Reveal -20mm to 230mm

X'' = Center of the sliding block movement

1 = Cable inlet

2 = Reinforcements required

Note1! Low speed distance and closing will increase.

Max. door opening = 100°

Min. door width = 1200 mm

Note2! Dip switch 6 = OFF and 7 = OFF

Note3! Choose Extended arm selection level 5 any status number 9-16

Z	Shaft extension
48	0
68	20
98	50
118	70

Customer:

Ref:

Door id:

Date:

Project No:

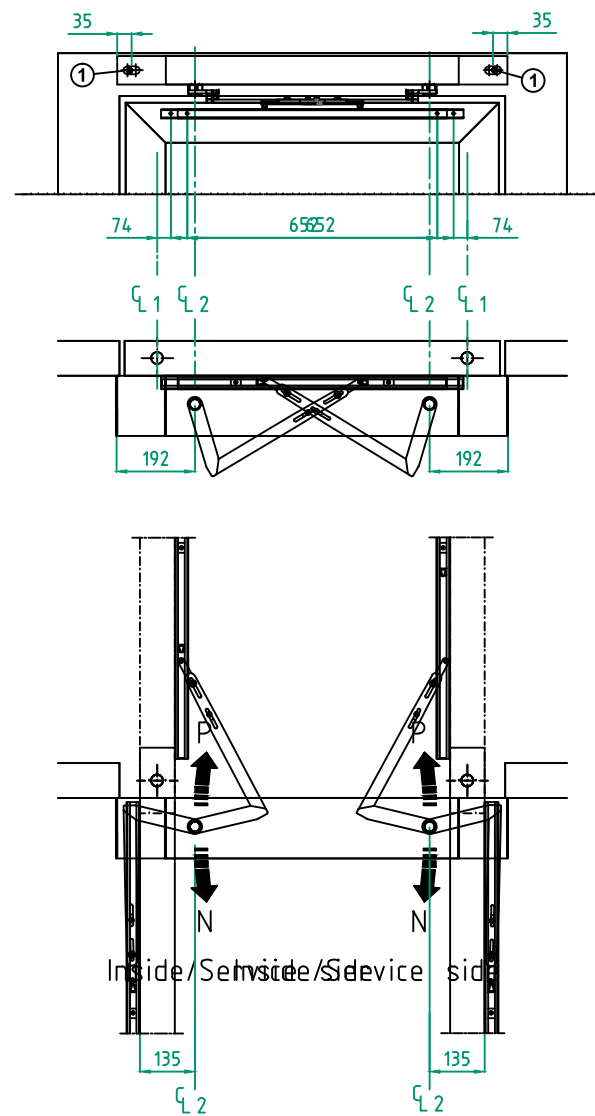
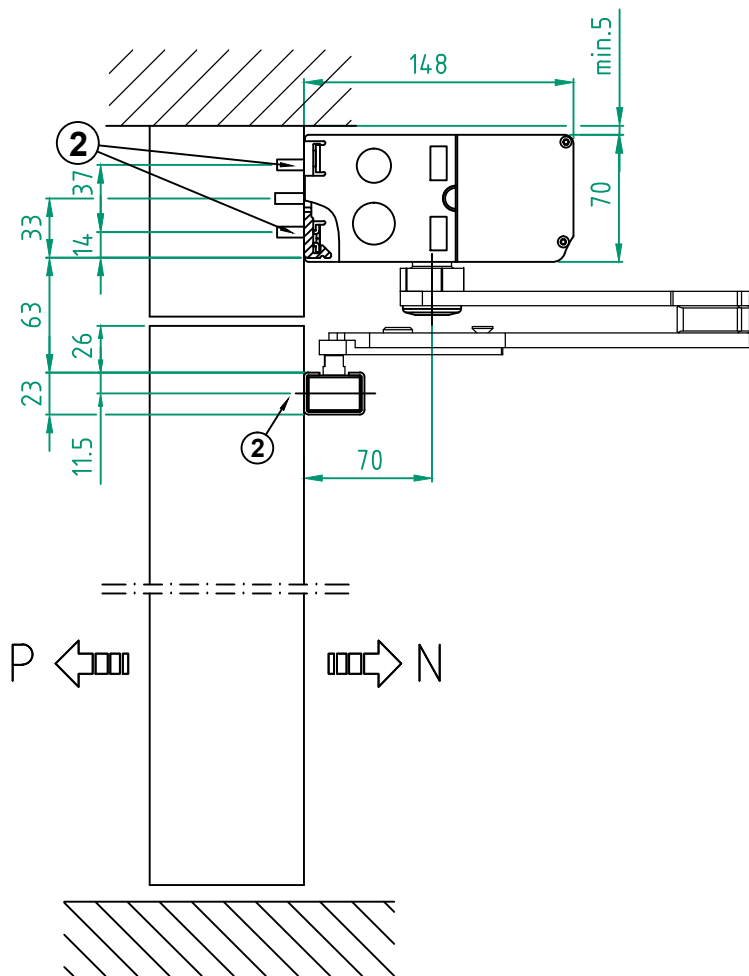
Sign:

Swing door operator
ASSA ABLOY SW300-1 (Art. No. 1009168)
ASSA ABLOY SW150-1 (Art. No. 1009169)
Sliding PUSH_PULL-600, DIN Right

ASSA ABLOY

18.0

1009168-en



STATE WHEN ORDERING

Surface treatment

- ☐ Silver anodized
Special anodized
RAL
Special powder coating

Cover end plates

- ☐ BK
☐ SI

☐ Basic
☐ Fire door
☐ Connection box
☐ Connection plug

- ⌀1 Pivot point
⌀2 Operator drive shaft
1 Cable inlet
2 Reinforcements required
N Normal opening direction
P Break-out direction

Customer:

Ref:

Door id:

Date:

Project No:

Sign:

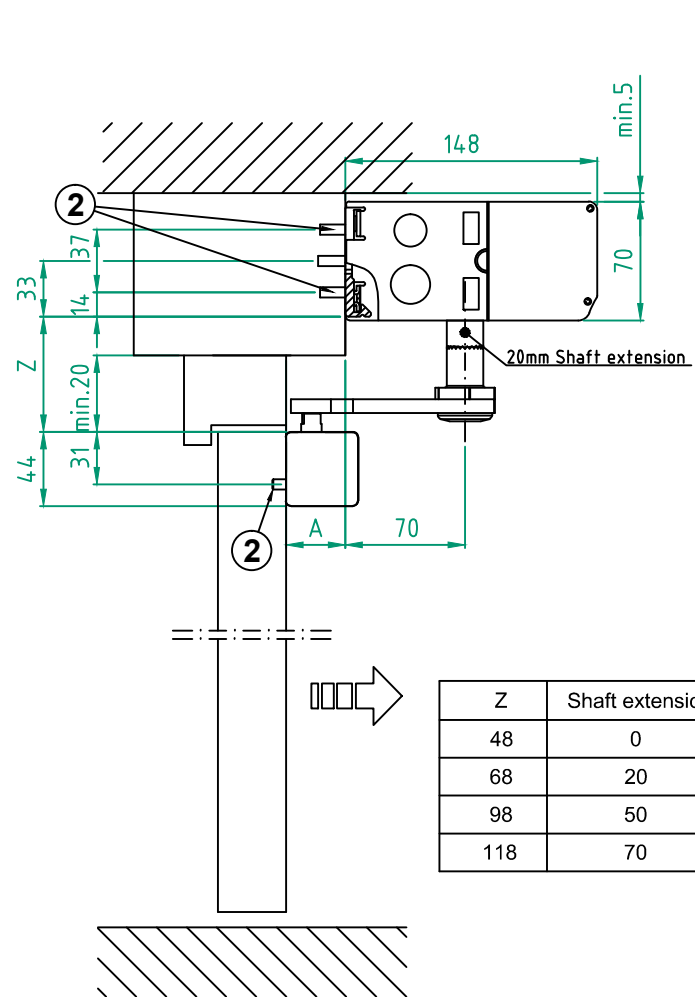
Swing door operator
ASSA ABLOY SW300-1 (Art. No. 1009168)

Arm system Double Acting, DIN Right

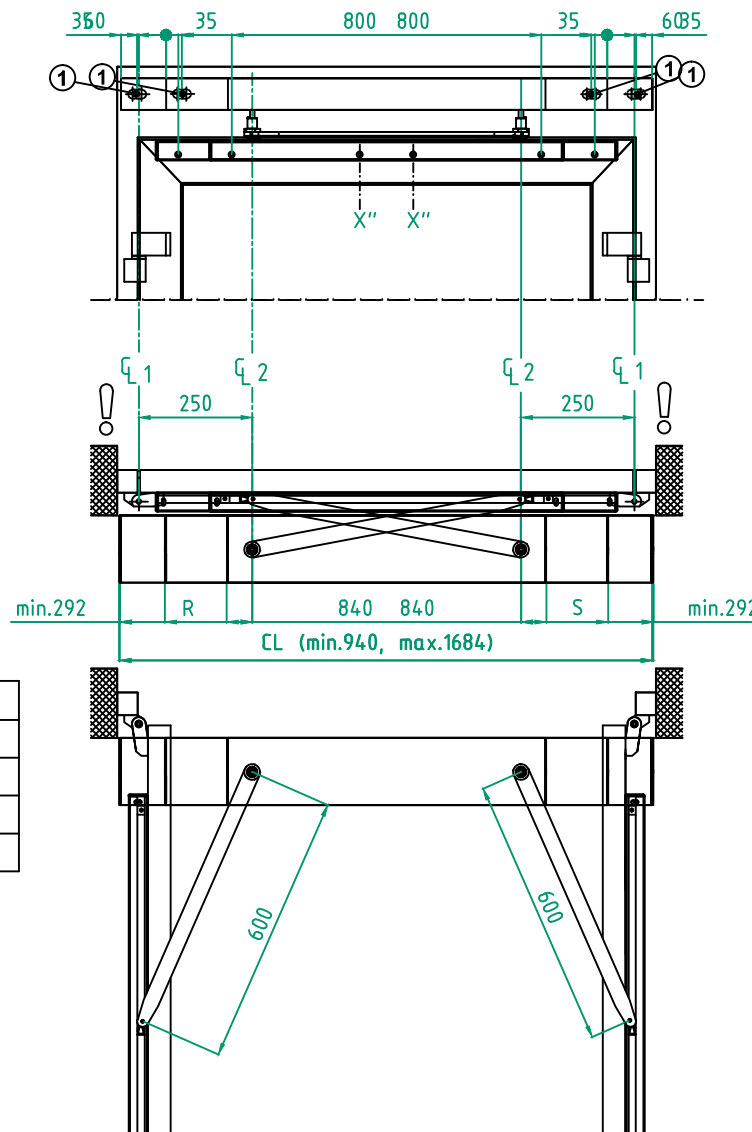
ASSA ABLOY

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1009168-en



Z	Shaft extension
48	0
68	20
98	50
118	70



STATE WHEN ORDERING

Surface treatment

- ☐ Silver anodized
Special anodized
RAL
Special powder coating
.....

Cover end plates

- ☐ BK
- ☐ SI
- ☐ Basic
- ☐ Fire door
- ☐ Connection box
- ☐ Connection plug

Options see layers

- ☐ Cover Standard
- ☐ Cover Full length, CL = mm
- R = mm
- S = mm

If R or S is set to "0", no cutouts will be made.

Ⓢ 1 = Hinges

② = Operator drive shaft

A = Reveal -20mm to 230mm

X'' = Center of the sliding block movement

1 = Cable inlet

2 = Reinforcements required

Note1! Low speed distance and closing will increase.

Max. door opening = 110°

Min. door width = 1050 mm

Note2! Choose Extended arm selection level 5 any status number 9-16

Note3! Dip switch 6=ON and 7=OFF

Customer:

Ref:

Door id:

Date:

Project No:

Sign:

Swing door operator

ASSA ABLOY SW300-1 (Art. No. 1009168)

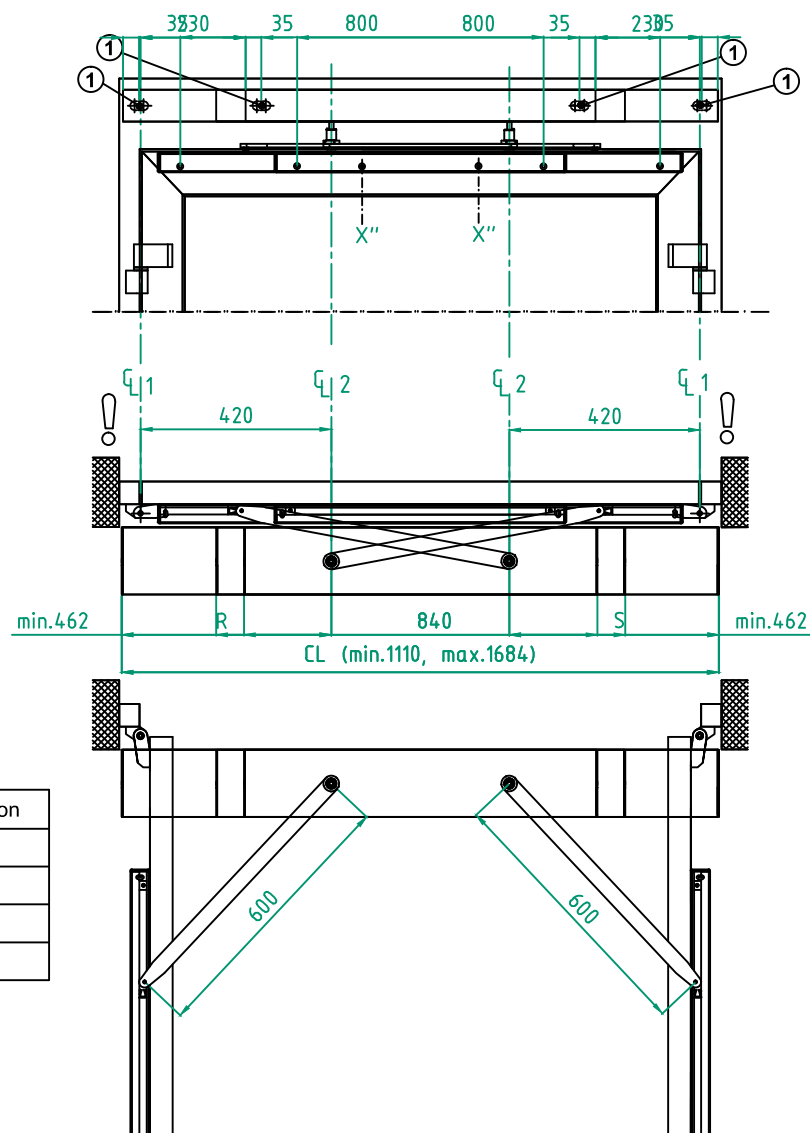
ASSA ABLOY SW150-1 (Art. No. 1009169)

PEUL-6600225,0DDNRLeft

ASSA ABLOY

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1009168-en



STATE WHEN ORDERING

Customer:	
Door id:	
Project No:	

Swing door operator
ASSA ABLOY SW300-1 (Art. No. 1009168)
ASSA ABLOY SW150-1 (Art. No. 1009169)
PULL-600 420, DIN Right

ASSA ABLOY

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