

SARGENT®
ASSA ABLOY

PRODUCT CATALOG

2300, 2409 Series Fire Guard®



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HOW TO ORDER

Specify	Note	Example
Quantity	Number Ordered	1 Qty.
Series/Function	See Applications	1 Qty. 2390, size 3
Voltage	120V or 24V	1 Qty. 2390, size 3, 24
Hand	Required	1 Qty. 2390, size 3, 24 RH
Finish	See Finishes	1 Qty. 2390, size 3, 24 RH EN
Additional Information	Item/Heading Number, Door Number	1 Qty. 2390, size 3, 24 RH EN x Door 205

Note: The 2300 Series is a replacement for the 2900 Series. See Comparison Chart below.

Description	Obsolete	New Series	Spring Size	Reveal
Pull Side	2960	2310	3	
			4	
			5	
Pull Side, Double Egress	2970	2330	3	
			4	
			5	
Pull Side, Free Swing	2980	2360	3	
			4	
			5	
Push Side	2990	2370	3	2-3/4" - 4" reveal; 180° swing 4" - 7" reveal; 165° swing
			4	
			5	
		2390	3	
			4	4" - 7"; 180° swing
			5	

FINISHES

US Finish	Descriptions	ANSI/BHMA
EB	Sprayed bronze enamel to match 10B	690
ED	Sprayed black enamel to match 20D	693
EN	Sprayed aluminum enamel	689
EP	Sprayed bronze enamel to match 10	691
EAB	Sprayed brass enamel	696
BSP	Black Suede Powder Coat	—
WSP	White Suede Powder Coat	—

On The Cover

2469 Pull Side

WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Features

The SARGENT FIRE GUARD® (2300, 2409) Series of Electromechanical Closer-Holder Release Devices are designed to hold open fire and smoke rated doors until power is interrupted by a fire alarm condition or remote release switch. Designed for durability, ease of installation and aesthetics, each series provides the means to achieve fire and building code compliance without interfering with normal building operation.

Each series includes an ANSI/BHMA A156.4 Grade 1 hydraulic door closer, for proper operation during the opening and closing cycles. They are also applicable for use on non-rated doors such as offices and conference rooms where the convenience of an electrically controlled release device is desirable.

2300, 2409 COMMON FEATURES

- UL10C positive pressure up to 3 hours
- UL-cUL listed
- Available in 7 finishes
- **Holder**
 - Fail safe operation
 - Push or pull or double egress installations
 - Will accommodate concealed or surface wiring standard
 - 2 year limited warranty on electromechanical components
- **Closer**
 - ANSI/BHMA A156.4 Grade 1 Closer
 - Rack and pinion operation
 - Adjustable spring power
 - Adjustable closing and latching speeds
 - Adjustable backcheck (auxiliary door stop recommended)

ADDITIONAL FIRE OPENING RELEASE DEVICES

In addition to the 2300 and 2409 Fire Guard Series, SARGENT offers other alternatives for door holding/releasing devices that may be more appropriate to your application. All are UL Listed for fire door assemblies and readily interconnect with building fire protection systems.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

ELECTROMAGNETIC DOOR HOLDERS

Electromagnetic Door Holders are Fail Safe devices designed to hold open self closing smoke and fire doors until released by a fire protection or other control system. Door holders are available in surface and flush mount designs and are well suited for applications where there is insufficient space for Fire Guards. See Holder and Stops Catalog for complete information.



1561 Flush Mount



1560 Surface Mount

OVERHEAD STOPS

A complete line of Overhead Stops is available to complement the Fire Guard and Electromagnetic Door Holders. They limit door opening and prevent damage to the closer-holder, trim or surrounding walls. Full information may be found in the Holder and Stops catalog.



2300 Series Multi-Point Hold Open Applications

FEATURES OF 2300 SERIES

- Multi position hydraulic hold open
- Hold open positions from 10° to 170° (trim permitting)
- Reveals up to 7" (178mm) push side
- Free swing application available (pull side)
- Holder Operation
 - Selective Hold Open allows door to hold open at any degree of opening beyond a pre-set hold open point, up to 175°
 - Steel mounting plate accommodates surface or concealed wiring
- Handed
- Operating voltages: 24VDC, 120VAC

- Auxiliary stop required
- Projection 2-11/16" (68mm) from frame face
- Metal cover secured by machine screws
- Maintained on/off switch
- Maximum door opening 180°

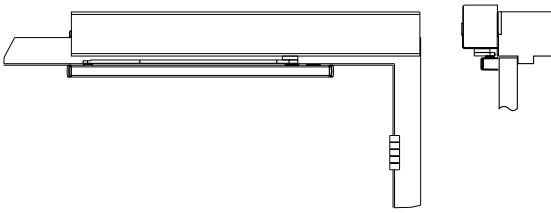
Arms

- Regular type for push side
- Track type for pull side and free swing
- Double Egress, Track type for pull side

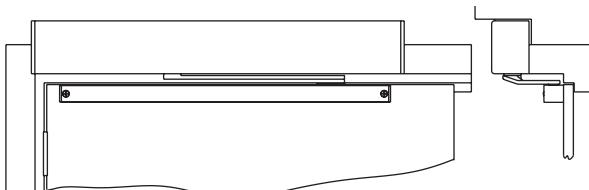
2310 PULL SIDE



- Closer/Holder is mounted to face of frame
- Track is mounted on surface of door, hinge side
- Use on corridor, stairwell doors and labeled doors which require over 110° opening

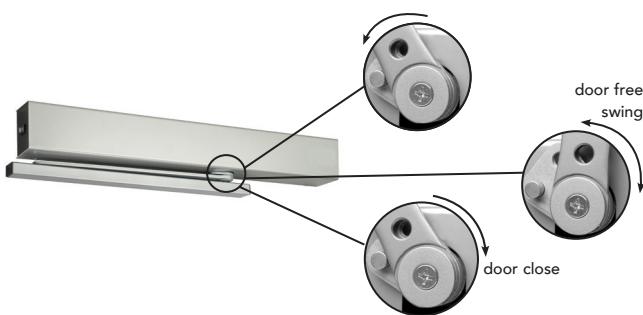


2330 PULL SIDE, DOUBLE EGRESS



- Closer/Holder is mounted to face of frame
- Track is mounted on hinge side of door
- Double egress arm for reveal of 1/8" (3mm) to 3" (76mm) maximum
- Use on corridor or stairwell doors when pull side, multi-point hold open is required

2360 PULL SIDE, FREE SWING

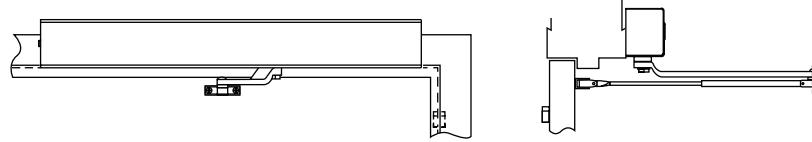


- Closer/Holder is mounted to face of frame
- Track is mounted on surface of door, hinge side
- Door acts as if no closer is installed or swings free until the alarm is activated
- Use on patient room doors in hospitals, nursing homes or anywhere a bedroom-like atmosphere is required
- Allows door to be opened, closed or partially open
- When released during an emergency, door closes from any position

2370, 2390 PUSH SIDE

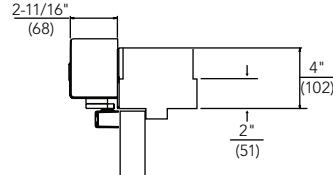
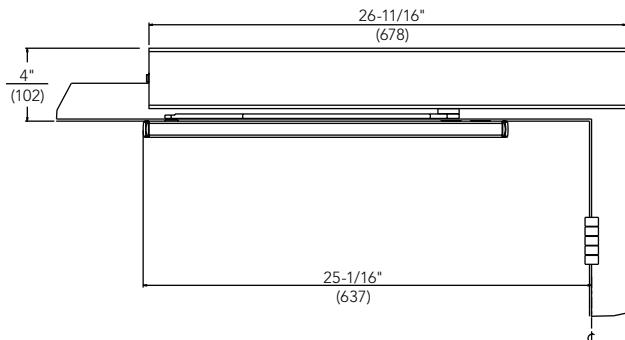


- Closer/Holder is mounted to face of frame on push side
- Arm is secured to surface of door, stop side
- Use on corridor, stairwell doors and labeled doors which require over 110° opening
- Minimum 4" (102mm) ceiling clearance required



2300 Series Multi-Point Hold Open Mounting Details

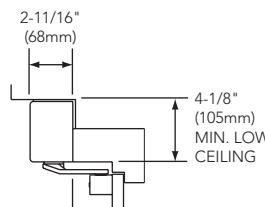
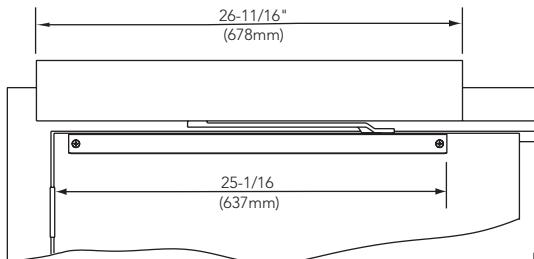
2310, 2360 PULL SIDE



Minimum Door Size	
Single	26" (66cm)
Pair	52" (132cm)

Maximum Door Width	Series		Spring Size
	Pull Side	Pull Side, Free Swing	
40"	2310	2360	3
			4
			5

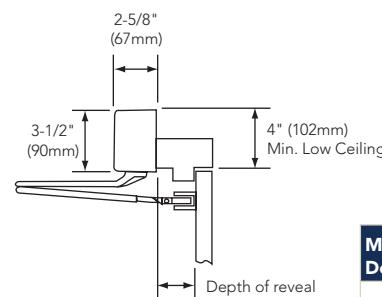
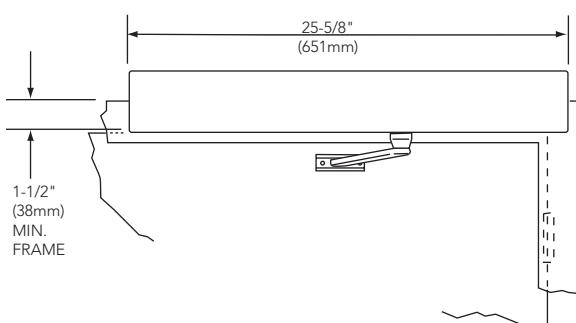
2330 PULL SIDE – DOUBLE EGRESS



DEPTH OF REVEAL 1/8"-3" (3mm to 76mm)

Maximum Door Width	Series		Spring Size
	Pull Side, Double Egress	2330	
40"		2330	3
			4
			5

2370, 2390 PUSH SIDE



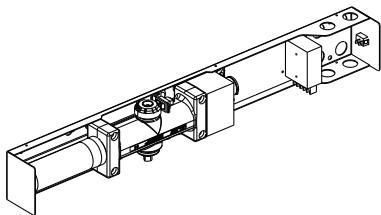
Maximum Door Size	Push Side	Spring Size	Reveal Range; Opening
40"	2370	3	2-3/4" - 4"; 180°
		4	4"-7", 165°
		5	
44"	2390	3	
		4	4" - 7"; 180°
		5	
48"			

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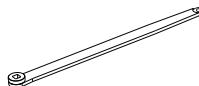
2300 Series Multi-Point Hold Open Adjustable Hold Open Arms & Components



Part Number	Description
CB2303LH	Closer Body, size 3, LH
CB2303RH	Closer Body, size 3, RH
CB2304LH	Closer Body, size 4, LH
CB2304RH	Closer Body, size 4, RH
CB2305LH	Closer Body, size 5, LH
CB2305RH	Closer Body, size 5, RH

Part Number	Description
63-4421	Free Swing Arm Screw Pack
63-4424	Selective Hold Open Switch Assy
63-4425	Selective Hold Open Switch
63-4426*	Drop Angle Bracket Push
63-4427*	Drop Angle Bracket Push, 180°
63-4428*	Torx Screw Pack

63-4414* Main Arm



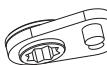
63-4419* Double Lever Arm (2390)



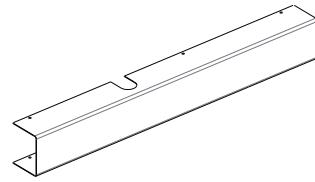
63-4420 Cushion Stop Assembly



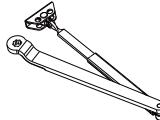
63-4415* Free Swing Arm Assembly



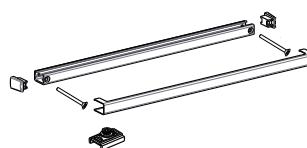
63-4423* Cover



63-4418* Double Lever Arm (2370)



63-4413* Slider Track Assembly

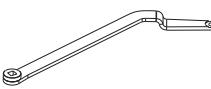


63-4422 Slide Assembly



63-4416* Double Egress Arm RH

63-4417* Double Egress Arm LH



* Finish must be specified: EB, ED, EN, EP and EAB

2409 Series Single Point Hold Open Applications and Mounting Details

FEATURES OF 2409 SERIES

- Single point hold open
- Hold open position adjustable from 85° to 110°
- Easy adjustment
- Adjustable holding power
 - Acts like standard door closer until opened to the hold open point
 - Maintains open position until released
- Auxiliary stop required
- Operating voltages: 24VAC/24VDC, or 120VAC
- Meets requirements of ANSI/BHMA A156.15

- Long wearing adjusting rod assembly
- Cover projection only 2-3/16" (81mm)
- High impact, corrosion resistant cover secured by machine screws
- Remote release option
- Holder: Aluminum track will accommodate concealed or surface wiring
- Closer: Cover projection 2-3/16" (56mm) max.

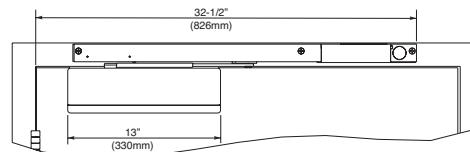
Applications

- 351-A Mounting Plate may be used for door with narrow top rail (pull application)
- 351-D Drop Bracket may be used for door with narrow top rail (push application)
- Suitable reinforcements required for metal door and frames
- Minimum frame face required 2" (51mm)

2469 PULL SIDE

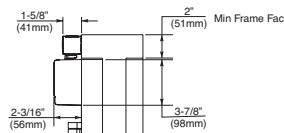


- Track is mounted to face of frame
- The 351 closer is mounted to hinge side of door
- Use on corridor or stairwell doors when pull side, single-point hold open is required
- Non-handed



Minimum Door Size

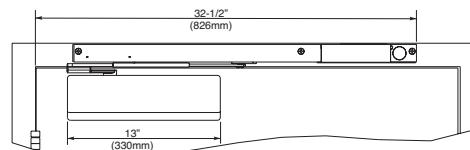
28" (711mm)



2479 PULL SIDE - DOUBLE EGRESS

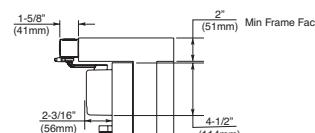


- Track is mounted to face of frame
- The 351 closer is mounted to hinge side of door
- Use on double egress openings when pull side hold open is required
- Double egress arm for reveal of 1/8" (3mm) to 3" (76mm) maximum
- Handed



Minimum Door Size

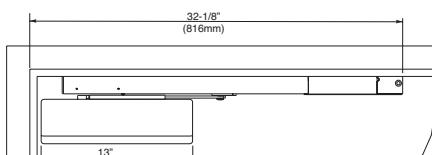
28" (711mm)



2499 PUSH SIDE

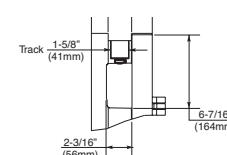


- Track is mounted to underside of the frame stop
- The 351 closer is mounted to stop side of door
- Use on corridor or stairwell doors where push side, single-point hold open is required
- Non-handed



Minimum Door Size

36" (914mm)



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2409 Series Single-Point Hold Open Assemblies, Arms & Components

ASSEMBLIES

2409 Series Stand Alone Unit

- Can be installed on a single door or a pair of doors when controlled by compatible UL Listed Fire Detection equipment or non-rated doors with remote release
- Includes electromagnetic hold open mechanism

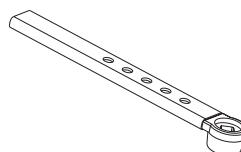


ARMS & COMPONENTS

- Regular and double egress telescoping arms
- All applications use track principle
- Powder coated

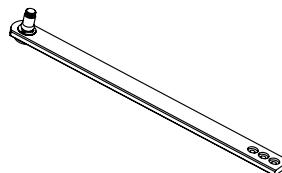
63-2874* Link Insert & Extension

- For push and pull applications



63-0840* Adjusting Rod Assembly

- For all applications



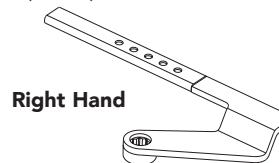
63-3057* Double Egress Arm and Extension Assembly

- For double egress doors with reveal greater than 1/8" (3mm) and less than 3" (76mm)



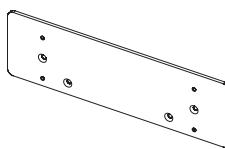
63-3056* Double Egress Arm and Extension Assembly

- For double egress doors with reveal greater than 1/8" (3mm) and less than 3" (76mm)



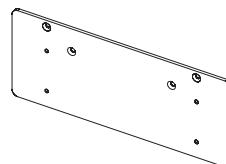
351-A* Mounting Plate

- For narrow top rail pull application



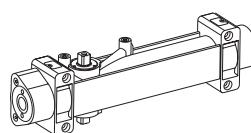
351-D* Drop Bracket

- For narrow top rail push application

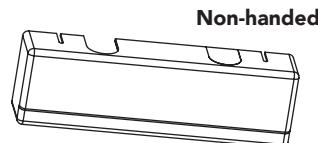


13-351 Closer Body

- Standard closer



351-C* Plastic Cover



Notes:

Screw Pack for all models, 63-3431

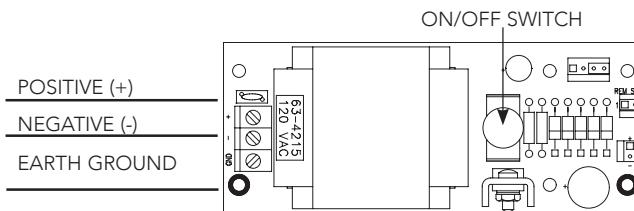
Specify finish when ordering arms or components.

* Finish must be specified: EB, ED, EN, EP and EAB

POWER INPUT CONNECTIONS

**63-2868 Remote Connector Harness
(2409 Only)**

- Harness for connection to circuit board of remote door release control
- **Required for remote release**



SWITCHES AND PRINTED CIRCUIT BOARDS

When remote release is required, SARGENT offers both key and push button switches to interrupt power allowing the door to close. Consult Product System Manual for other switch options.

4370 Key Switch

- Allows remote or local release
- Switch rating: SPDT maintained contact 4 Amp. @ 24VDC
- Size 41 mortise cylinder (1-1/8" [29mm] length of shell)
- Finish: 32D

63-0848 PC Board (2409 only)

- Replacement 120 Volts AC board assembly

**63-0847 PC Board (2409 only)**

- Replacement 24 Volt AC/DC board assembly



Suggested Architectural Specifications

ARCHITECTURAL SPECIFICATIONS

Multi-Point Electromechanical Closer Holder Release Devices

- A. Multi-point electromechanical closer holders shall be 2300 Series as manufactured by SARGENT Manufacturing Company.
- B. Door closer holders to hold doors open under normal use conditions and to release and close door upon receiving a signal from fire alarm, remote release switch, or manually by pushing or pulling the door.
- C. Door closer holders shall be UL listed (US and Canada) for use on fire doors.
- D. Door closer bodies with integrated hydraulic hold open mechanism:
 - 1. Door closer body shall have a cast aluminum alloy shell.
 - 2. Door closer body shall meet the requirements of ANSI Grade 1 per ANSI/ BHMA A156.4.
 - 3. Door closer body shall be fully closed rack and pinion construction.
 - 4. Separate adjustable closing speed, latching speed, and backcheck shall be controlled by key operated valves.
 - 5. Cover shall be metal
 - 6. Door closer body shall meet the requirements of UL 10C positive pressure fire tests.
 - 7. Devices shall accommodate operating voltages of either 24VDC or 120VAC as an option.
 - 8. Selective Hold Open: Door will hold open at any degree of opening beyond a pre-set hold open point, up to 175°, with a maximum allowable door opening of 180° (except the 2330).
 - 9. Two-year limited warranty.
- E. Door closer holders shall accommodate concealed or surface wiring standard.
- F. Door closer holders shall be available in push or pull application for regular or double egress type doors.
- G. Door closer holders are fail safe: solenoid will de-energize in the event of power failure.

Single-Point Closer Holder Release Devices

- A. Single-point door closer holder release devices shall be 2409 Series as manufactured by SARGENT Manufacturing Company.
- B. Door closer holders shall meet ANSI/BHMA A156.15 requirements.
- C. Provide door closer holders to hold doors open under normal use conditions and to release and close door upon receiving a signal from fire alarm, or manually by pushing or pulling the door.
- D. Door closer holders shall be UL listed (US and Canada) for use on fire doors.
- E. Door closer bodies:
 - 1. One piece door closer body shall be die cast aluminum alloy with 14% silicon minimum content.
 - 2. Door closer body shall meet the requirements of ANSI Grade 1 per ANSI/BHMA A156.4.
 - 3. Door closer body shall be fully closed rack and pinion construction.
 - 4. Separate adjustable closing speed, latching speed, and backcheck shall be controlled by key operated valves with no less than one eighth inch hex.
 - 5. Valves shall be captivated and non-critical.
 - 6. Closer cover shall be constructed of high impact plastic material of flame retardant grade secured by machine screws.
 - 7. Door closer body shall meet the requirements of UL 10C positive pressure fire tests.
 - 8. Door closer body shall have a ten year limited warranty.
- F. Electro-mechanical holder release track assembly:
 - 1. Devices shall include an integral, fully-adjustable hold-open mechanism.
 - 2. Track assembly will accommodate operating voltages of either 24VAC or 24VDC in the same unit or 120VAC as an option.
 - 3. Single-point hold open shall be adjustable from 85 to 110 degree of door opening.
 - 4. Track assembly shall include a terminal strip for ease of installation.
 - 5. Circuit board shall contain a self-resetting circuit breaker switch.
 - 6. Track assembly shall include an on/off switch to control hold-open.
 - 7. Two year limited warranty.
- G. Door closer holders shall accommodate concealed or surface wiring standard.
- H. Door closer holders shall have universal push or pull application.

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, mechanical and smart locks, access control and service.

SARGENT®

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Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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