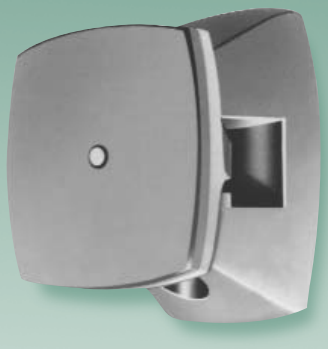
SARGENT®

Holders & Stops



An ASSA ABLOY Group company

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Holders & Stops

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1-800-727-5477
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Holders & Stops Overview

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Introduction to SARGENT Overhead Holders & Stops

SARGENT overhead stops/holders are designed to protect the door and hardware from the abuse commonly found in commercial and institutional applications. With **four different series** that include **surface** or **concealed, standard** or **heavy duty,** SARGENT has a stop/holder for every application.

Overhead stops/holders are the most **practical method of stopping a door while eliminating unsightly wall stops and dangerous floor stops**. Using an overhead stop/holder more effectively distributes abusive forces by concentrating them towards the hinge. Some door closers are available with stops/holders incorporated into them and work well in most cases, but continuous abuse can lead to frame and hinge failure. SARGENT overhead stops/holders are designed and manufactured for many years of service and come with a **5 year warranty**.

Selecting an Overhead Stop/Holder

The **590 heavy-duty surface applied** and **690 concealed heavy-duty series** are designed for use on **exterior doors** and highly **abused interior doors**. The **1530 concealed series** and the **1540 surface applied series** are designed for use on **interior doors**.

Refer to Page 2 for installation choices.

Each series has different sizes to match different door widths.

When using vertical rod exit devices and or surface/flush bolts, use caution in choosing the proper size to ensure compatibility.

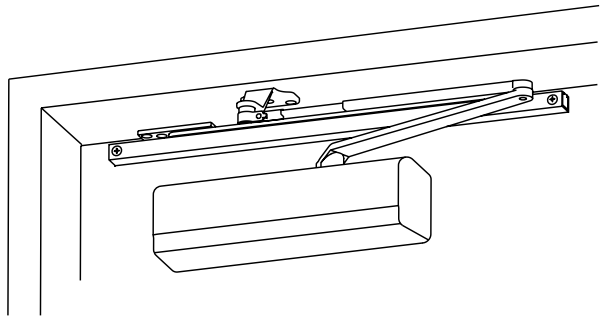
All stops/holders are templated and installed for a particular degree of opening ranging between 85° to 110°. All SARGENT overhead holders/stops include a heavy duty spring designed to gradually absorb impact forces over a 3° to 9° of opening. When using holders and stops on doors opening against a wall or back to back, they should be templated/installed to eliminate the trim from coming into contact with the walls or each other.

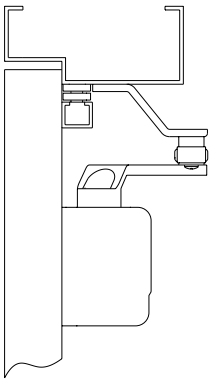
Heavy Duty Construction

SARGENT uses one of the thickest extruded channels in the industry, offering superior strength over formed sheet metal. All overhead holders and stops utilize metal end caps which are hardware finished. It is important that the total opening including hinges be designed for the same abuse. Metal doors and frames should have 12 GA. reinforcements or greater that are at least 12 inches in length. Wood doors and frames should include the proper blocking for wood screws. All overhead holders and stops include wood screws and machine screws with mortise nuts as standard. Exposed channels and arms are available in a variety of hardware finishes and powder coated finishes. All overhead stop finishes, including US26D exceed the BHMA salt spray test.

When overhead stops and holders cannot be used, SARGENT offers the 1300 series wall/floor holders and stops, along with the 1560 series magnetic series. Consult Pages 7 & 8 for application choices.

SARGENT overhead holders and stops are designed to complement the SARGENT 281, 351 and 1430 series door closers.





1430 P3 Shown with 1548 Stop

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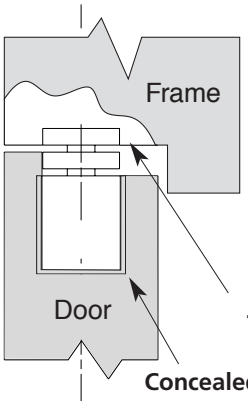
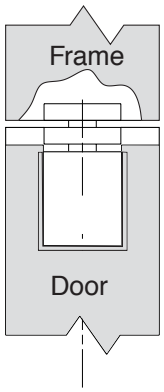
Concealed Mounting (690 or 1530 Series)



Standard Installation

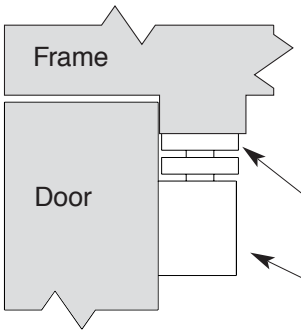
Used on single acting doors, the channel is mortised into the door and the jamb bracket is mortised into the frame. Door requires cut out on stop side for arm. Channel and jamb bracket fastened with wood or machine screws.



Standard Installation

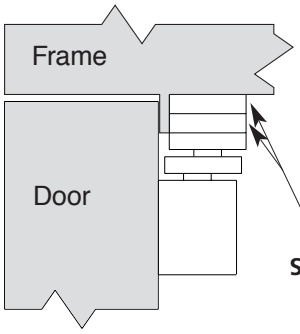
Used on double acting doors with double acting hinges or pivots. This mounting is similar to single acting installation, but door requires cut out on both sides of door for arm.

Surface Mounting (590 or 1540 Series)



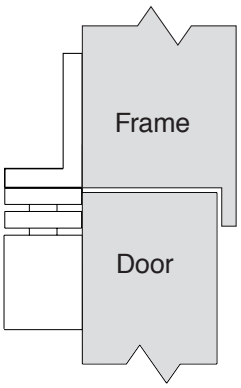
Standard Push Side Installation

The jamb bracket is surface applied to the stop and the channel surface applied to door.



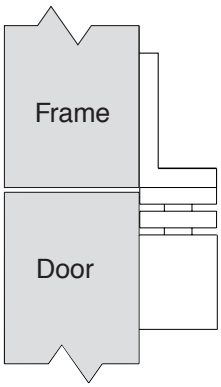
Standard Push Side Installation with Blade Stops

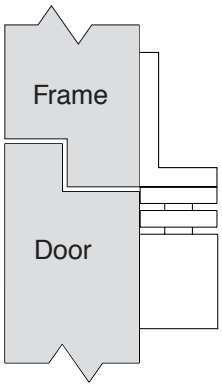
Similar to the above, except shims are used (due to the blade stops). Solid bronze shims 1/4" thick to match jamb bracket used as required.



Reverse Standard Installation (Pull Side)

Channel surface is applied to the pull side of door and the angle bracket is used to attach jamb bracket to frame.





Flush Frame Push Side Installation

When flush frames exist with no or single rabbet, the use of the 145 angle bracket for the 1540 Series or the 195 angle bracket for the 590 Series allows for jamb bracket application. Channel surface applied to door with angle bracket applied to frame.

Holders & Stops
590 Series Heavy Duty Overhead Surface Mount

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1-800-727-5477
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590 Series Heavy Duty

- Surface application for exterior and interior single acting doors
- Two types to choose from:
  - "H" Holder; Stops and Holds doors open
  - "S" Stop; Stops door only

Standard Features

- SARGENT 590 Series Door Holders and Stops are made from rugged, extruded bronze
- All holders/stops are installed for a particular degree of hold open or stop ranging from 85° to 110°
- Stop only models available
- Non-handed (Reversible)
- Heavy duty shock spring

ANSI A156.8 Grade 1

590H Series BHMA Certified to CO2511
590S Series BHMA Certified to CO2541

UL Classified

- The 590 Series stop is classified by Underwriter Laboratories as Miscellaneous Fire Door Accessories

Note: Stops are not rated. The door and frame carry the fire rating

Hold-Open Models

- Convenient knob provides simple "on-off" control of hold-open feature
- Adjustable release tension

Accessories

Shims

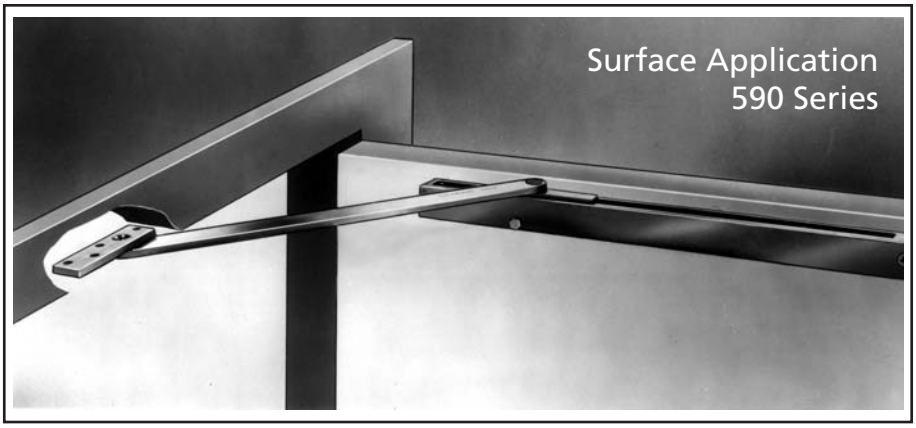
- Optional solid bronze 1/4" thick jamb bracket shims for use with frames with blade stops
- Order as required by 21-0104 x finish with screws listed below

Machine Screws

- Used with above 590 shims up to 3/4" thick. 01-3454 x finish, 4 required. (1/4-20 x 1-1/4")
- Standard screw pack for 1-3/4" to 2" door. 21-2302 x finish

No. 195 Angle Bracket

For Flush Door and Frames
590 Series holders can be mounted on flush doors and frames through the use of the SARGENT 195 Angle Bracket. This handed bracket allows the mounting of the Jamb bracket to the top casing.



597H shown

Specifications

For Doors	Exterior and interior doors from 24" to 60" wide* and 1-3/4" to 3-1/4" thick. Through-bolts and mortise nuts furnished for doors 1-3/4" to 2" thick, unless otherwise specified.
Track	Extruded bronze, 1" wide x 1-1/4" high x 1/8" thick
Slide	Extruded bronze
Arm	Extruded bronze, 1"x 1/4"
Jamb Bracket	Extruded bronze, 1" x 3-13/16"
Shock Absorber Spring	Heavy-tempered steel
Hand	Reversible/Non-handed
Finishes	03, 04, 9, 10, 10B, 10BL, 15, 20D, 26, 26D EN, EB, ED, EP, EAB Powder coat
Fasteners	Wood screws, machine screws, through-bolts, Mortise nuts supplied as standard for 1-3/4"– 2" thick doors. For doors more than 2" and less than 3-1/4", use 31– prefix and specify thickness
Options	**31 – Prefix:** Longer fasteners for doors up to 3-1/4" thick, specify thickness. Example: (31-597H x 26D x 3" thick) **36 – Prefix** Torx security machine screws for all exposed screws on all doors up to 2" thick. 6 per holder/stop.

*** When using vertical rod exit devices and or surface/flush bolts, use caution in choosing the proper size to ensure compatability**

How to Order

Specify number, letter suffix, and finish.
Example: 597H x 04

	Sizing Chart	
Actual Width of Door	Stop with Hold-open	Stop Only
24" – 32-1/2"	597H	597S
32-5/8" – 39-1/8"	598H	598S
39-1/4" and over	599H	599S

Holders & Stops
690 Series Heavy Duty Overhead Concealed Mount

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1-800-727-5477
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690 Series

- Concealed application for exterior and interior single or double acting doors
- Two types to choose from:
  - "H" Holder; Stops and Holds doors open
  - "S" Stop; Stops door only

Standard Features

- SARGENT 690 Series Door Holders and Stops are made from rugged, extruded bronze
- Holder/Stop is concealed with arm and bracket mortised in to jamb
- Both series can be mounted to stop the door at any angle from 85° to 110°
- Stop only models available
- Non-handed (Reversible)

ANSI A156.8 Grade 1

690H Series BHMA Certified to CO1511
690 S Series BHMA Certified to CO1541

UL Classified

- The 690 Series stop is classified by Underwriter Laboratories as Miscellaneous Fire Door Accessories

Note: Stops are not rated. The door and frame carry the fire rating

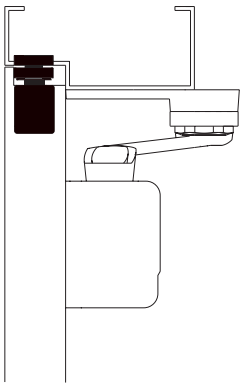
Hold-Open Feature

- Convenient knob provides simple "on-off" control of hold-open feature
- Adjustable release tension

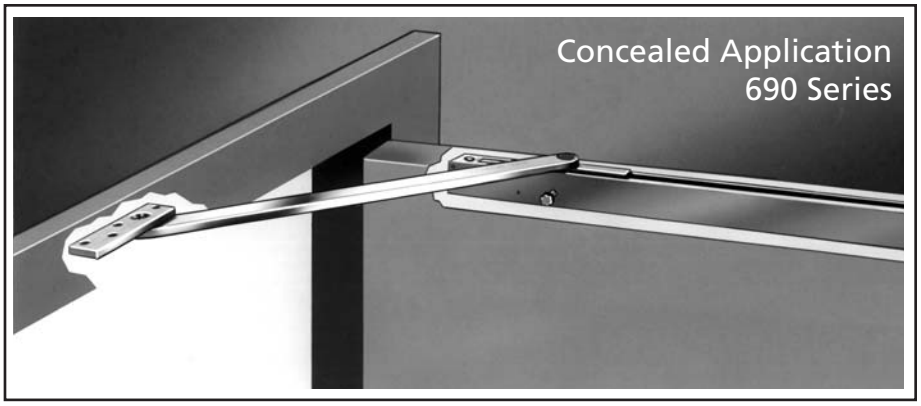
Accessories

- Standard screw packs

690H Series	21-2263 x finish
690S Series	21-2267 x finish



351-P10 shown with 697S
On a single acting door



697H shown

Specifications

For Doors	Exterior and interior doors from 24" to 60" wide*. For doors 1-3/8 – 1-3/4" thick as standard. Available for doors up to 3-1/4" thick,use 31- prefix and specify thickness.
Track	Extruded bronze, 1" wide x 1-1/4" high, 1/8" thick
Slide	Extruded bronze
Arm	Extruded bronze, 1" x 1/4"
Jamb Bracket	Extruded bronze, 1" x 3-13/16"
Shock Absorber Spring	Heavy-tempered steel
Hand	Reversible/Non-handed
Finishes	03, 04, 9, 10, 10B, 10BL, 15, 20D, 26, 26D EN, EB, ED, EP, EAB Powder coated
Fasteners	Wood screws and machine screws provided for 1-3/4" thick door as standard. For doors more than 1-3/4"up to 3-1/4" thick, use 31- prefix and specify door thickness.
Options	**31 - Prefix:** For use on thick doors up to 3-1/4" thick, specify door thickness if more than 1-3/4". Example (31 - 697 x 26D x 3" thick) **36 - Prefix:** Torx Security machine screws. 8 required

How to Order

Specify number, letter suffix, finish and door thickness if other than 1-3/4.
Example: 697H x 03

	Sizing Chart	
Actual Width of Door	Stop with Hold-open	Stop Only
24" – 32-1/2"	697H	697S
32-5/8" – 39-1/8"	698H	698S
39-1/4" – and over	699H	699S

*** When using vertical rod exit devices and or surface/flush bolts, use caution in choosing the proper size to ensure compatability**

Holders & Stops
1530 Series Standard Duty Overhead Concealed Mount

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1-800-727-5477
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1530 Series

- Concealed application for interior single or double acting doors opening to 110°
- Three types to choose from:
  - "H" Holder; Stops and Holds doors open
  - "S" Stop; Stops door only
  - "F" Friction Type; Holds door open

Features

- SARGENT 1530 series holders and stops are made from rugged extruded bronze
- Holder/Stop is concealed with arm and bracket mortised into jamb
- Stop only models available
- Non-Handed (reversible)

Hold-Open With Stop:
- Holds door open for a particular degree from 85° to 110°
- Hold-open feature engages and releases easily by a push or pull action
- Release tension is easily adjustable

Stop Only Type:
- Used to stop door with shock absorber spring
- Protects wall and door
- Not for use with a door closer

Friction Type:
- Prevents unwanted door friction control movement
- Used on doors requiring a door closer
- Can be held in any position up to 110°
- Friction unit is made of heavy duty brake lining type material
- Adjustable friction control for varying conditions

ANSI A156.8 Grade 1

1530F Series complies to C04531
1530H Series complies to C04511
1530S Series complies to C04541

UL Classified

- The 1530 Series stop is classified by Underwriter Laboratories as Miscellaneous Fire Door Accessories

Note: Stops are not rated. The door and frame carry the fire rating

Accessories

- Standard screw pack
  21-2019 x finish

1538 S shown

Specifications

For Doors	Interior doors 18" up to 48" wide*, 1-3/8" to 1-3/4" thick, as standard. See below for size.
Track	Extruded bronze, 13/16" wide x 11/16" high x 3/32" thick
Slide	Extruded bronze
Arm	Extruded bronze, 3/4"x 3/16"
Jamb Bracket	Extruded bronze, 3/4" x 3-3/8"
Shock Absorber Spring	Heavy-tempered steel
Hand	Reversible/Non-handed
Finishes	03, 04, 9, 10, 10B, 10BL, 15, 20D, 26, 26D EN, EB, ED EAB, EP Powder coat
Fasteners	Wood screws, machine screws provided as standard for 1-3/8" to 1-3/4" thick doors. For doors up to 2-1/4" thick, use 31- Prefix and specify thickness.
Options	**31- Prefix** for use on doors more than 1-3/4" and up to 2-1/4" thick. Specify door thickness. 6 required **36- Prefix** Torx Security machine screws. 6 Required

*** When using vertical rod exit devices and or surface/flush bolts, use caution in choosing the proper size to ensure compatability**

Sizing Chart

Actual Width of Door	Hold Open with Stop	Stop Only	Friction Stop/Holder
19" – 25"	1536H	1536S	1536F
25-1/8" – 32-1/2"	1537H	1537S	1537F
32-5/8" – 40"	1538H	1538S	1538F
40-1/8" – 48"	1539H	1539S	1539F

Sizing Chart For Center Hung Pivots Only

Actual Width of Door	Hold Open with Stop	Stop Only	Friction Stop/Holder
21-1/4" – 26-5/8"	1536H	1536S	1536F
26-3/4" – 32-1/2"	1537H	1537S	1537F
32-5/8" – 40"	1538H	1538S	1538F
40-1/8" – 48"	1539H	1539S	1539F

How to Order

Specify number, letter suffix, and finish. **Example: 1536F x 03**

Holders & Stops
1540 Series Standard Duty Overhead Surface Mount

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1-800-727-5477
www.sargentlock.com

1540 Series

- Surface application for interior single acting doors. Three types to choose from:
  - "H" Holder; Stops and Holds doors open
  - "S" Stop; Stops door only
  - "F" Friction Type; Holds door open

Features

- SARGENT 1540 series holders and stops are made from extruded bronze
- Non-Handed (reversible)
- Holder/Stop is surface mounted with arm and bracket attached to top jamb

Hold Open With Stop Type:
- Holds door open for a particular degree from 85° to 110°
- Hold-open feature engages and releases easily by a push or pull action
- Release tension is easily adjustable

Stop Only Type:
- Used to stop door with shock absorber spring
- Protects wall and door
- Maximum door opening 110°

Friction Type:
- Prevents unwanted friction control movement by doors
- Used on doors not requiring a closer
- Can be held in any position up to 110°
- Friction unit is made of heavy duty brake lining type material
- Adjustable friction control

ANSI A 156.8 Grade 1

1540 F Series complies to C05531
1540 H Series complies to C05511
1540 S Series complies to C05541

UL Classified

- The 1540 Series stop is classified by Underwriter Laboratories as Miscellaneous Fire Door Accessories

Note: Stops are not rated. The door and frame carry the fire rating

Accessories

Shims
Optional 1/4" jamb bracket shim for use with frames with blade stops. Solid bronze finished to match overhead. Order as required by 21-0198 x finish

Machine Screws
Used with above shims up to 3/4" thick. Four required per overhead. Order by 01-3436 x finish (12-24 x 1-1/4")

Standard screw pack
21-2031 x finish

1548S Shown

Specifications

For Doors	Interior doors 18" up to 48" wide*, 1-3/8" to 1-3/4" thick, as standard see below for correct size.
Track	Extruded bronze, 13/16" wide x 11/16" high x 3/32"
Slide	Extruded bronze
Arm	Extruded bronze, 3/4" x 3/16"
Jamb Bracket	Extruded bronze, 3/4" x 3-3/8"
Shock Absorber Spring	Heavy-tempered steel
Hand	Reversible
Finishes	03, 04, 9, 10, 10B, 10BL, 15, 20D, 26, 26D EN, EB, ED, EAB, EP Powder coat
Options	**31- Prefix** for use on doors more than 1-3/4" up to 2-1/4" thick. Specify door thickness. **36- Prefix** Torx Security machine screws 6 required

How to Order

Specify number, letter suffix, and finish. **Example: 1537F x 03**

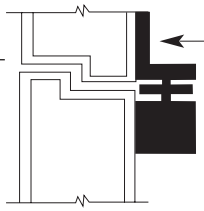
1540 Series furnished with through-bolt and grommet nut for mounting on doors, 1-3/8" to 1-3/4" thick only. For other doors up to 2-1/4" thick, specify thickness when ordering. For center hung pivots, consult factory.

	Sizing Chart		
Actual Width of Door	Hold-Open with Stop	Stop Only	Friction Stop/Holder
18-1/2" – 25"	1546H	1546S	1546F
25-1/8" – 32-1/2"	1547H	1547S	1547F
32-5/8" – 40"	1548H	1548S	1548F
40-1/8 – 48"	1549H	1549S	1549F

No. 145 Angle Bracket

For Flush Door and Frames

Series 1540 Overhead Door Holders can be mounted on flush doors and frames using the No. 145 Angle Bracket. This bracket allows the mounting of the arm to the top casing. Bracket is not handed.



145 ANGLE BRACKET SHOWN WITH 1540 WITH FLUSH TRANSOM OR RABBETED DOORS

*** When using vertical rod exit devices and or surface/flush bolts, use caution in choosing the proper size to ensure compatability.**

1300 Series Wall & Floor Door Holder

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1-800-727-5477
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Floor Type

Wall Type

Wall and Floor Type

- SARGENT 1300 Series Manual Door Holders and Stops are chassis-mounted
- Adjustable holding force
- Includes a long wearing Nylon MDS® roller latch
- Door easily released with a firm pull
- Includes semi-concealed built-in bumper
- A throw-away pin in the strike assures alignment of holder and strike

MDS is a registered trademark of the Polymer Corp®.

Specification

- **Conforms to Federal Specification FF-H-111C Type 1168A**
- Base metal: brass, bronze
- Finishes: 3, 4, 10, 10B, 10BL, 15, 20D, 26, 26D

Dimensions			
Part	Length	Width	Projection
Holder	4-3/4" (121mm)	2" (51mm)	1-1/4" (32mm)
Wall Strike	3-1/16" (78mm)	1-7/8" (48mm)	See table
Floor Strike	3-1/16" (78mm)	1-7/8" (48mm)	See table

How to Order

- For wood doors, order by number and suffix. Suffix is determined by mounting conditions for strike
- **Use these suffixes when ordering for wood doors:**
  - **A.** Strike furnished with wood screws for mounting to wood wall or floor
  - **B.** Strike furnished with wood screws and rawl plugs for mounting to concrete wall or floor
  - **C.** Strike furnished with machine screws and expansion shields for mounting to concrete wall or floor
- For metal doors, order as above and add suffix TMS

  Example: 1321A TMS
- For Grommet Nut Application, order as above and specify Grommet Nuts x Door Thickness

  Example: 1321A Grommet Nuts x 2" Door

Number	Type (Wall or Floor)	Door to Wall or Floor Clearance	Strike Projection
1312	Wall	3-1/2" (89mm)	3-3/16" (81mm)
1321	Floor	0" – 9/16" (14mm)	1-1/4" (32mm)
1322	Floor	5/8" (16mm) – 1-1/16" (27mm)	1-3/4" (44mm)
1323	Floor	1-1/8" (29mm) – 1-9/16" (40mm)	2-1/4" (57mm)
1324	Floor	1-5/8" (41mm) – 2-1/16" (52mm)	2-3/4" (70mm)

1560 Series Electromagnetic Door Holders

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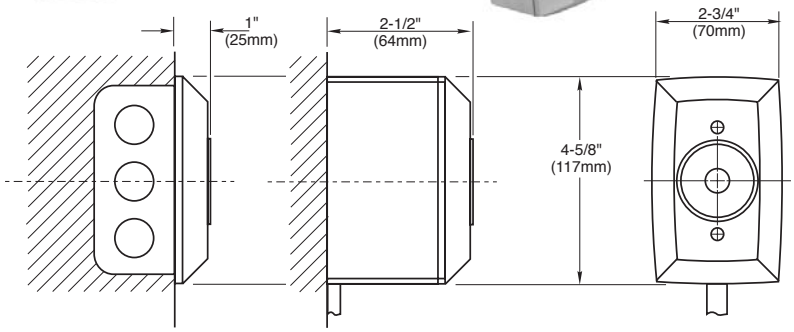
Electromagnetic Door Holder

- Designed for use with self-closing fire and smoke barrier doors
- Use independently or with any fire or smoke detector system
- When de-activated, helps control the spread of fire and smoke by automatically releasing doors from an open position for simultaneous closing
- Fail-safe device: When electrical power fails, doors will release to close automatically
- Conforms to devices outlined in National Fire Protection Agency Standards Nos. 80 and 101
- Designed to work with SARGENT door closers
- Recommended vertical location is on top rail of door – within 6" of lock stile edge
- When applications will not allow wall or floor magnets, consult SARGENT's FireGuard catalog for our line of Electronic Closer Holders.
- Fits standard outlet box
- Holding force – 35 lbs typical
- Voltage and Current:
  120 VAC, 60 Hz., .020 amp
  24 VAC/DC, 60 Hz., .020 amp
  12 VDC, .040 amp
- Finish – EN
- Meets ANSI A156.15
- UL – UL Listed to U.S. and Canadian safety standards
- 1" (25mm) extension included standard to increase armature projection to 2-5/8" (67mm)

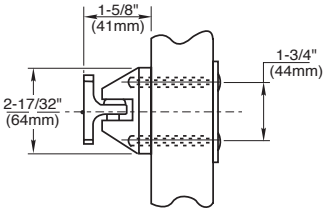
Wall Mount

1561 Flush Mount

1560 Surface Mount



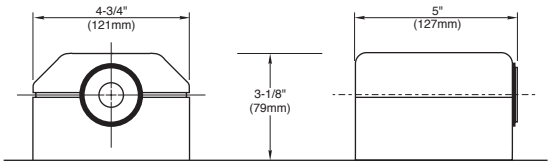
1561 1560



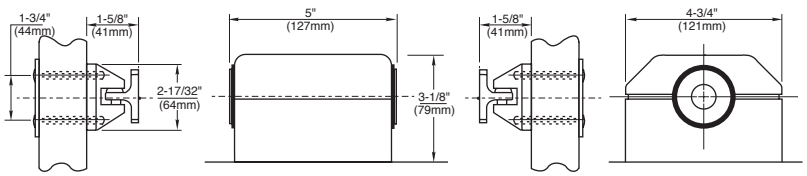
Floor Mount

1562 Single Floor Mount

1563 Double Floor Mount



1562



1563

Holders & Stops
Finishes & Door Closer Compatability Chart

SARGENT
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Finishes

Symbol	BHMA	Description
3	605	Polished brass
4	606	Dull brass
9	637	Bright bronze, clear coated
10	612	Dull bronze
10B	613	Oxidized dull bronze, oil rubbed
10BL	——	Oxidized dull bronze, lacquered
15	619	Satin nickel, clear coated
20D	——	Dark statuary bronze, lacquered
26	625	Chrome
26D	626	Dull chrome
EN	——	Aluminum enamel
EB	——	Oxidized bronze enamel 10B
ED	——	Dark statuary bronze enamel US10
EAB	696	Satin brass enamel, similar to US4

Note: 15 Finish not available on 1300 and 1560 Series

Frequently Used SARGENT Door Closers with Overhead Holders and Stops

- **Standard Door Closer Applications (PULL SIDE MOUNT)**

  590 Series with 281, 351, 1430 Series with "O" Arm
  690 Series with 281, 351, 1430 Series with "O" Arm
  1530 Series with 281, 351, 1430 Series with "O" Arm
  1540 Series with 281, 351, 1430 Series with "O" Arm

- **Parallel Arm Door Closer Applications (PUSH SIDE MOUNT)**

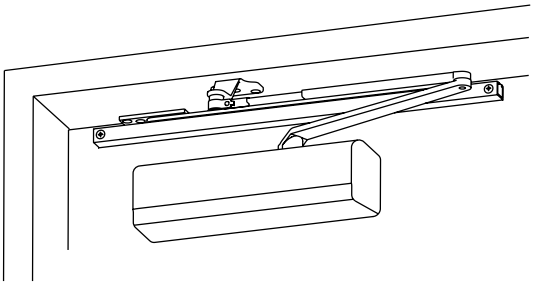
  590 Series with 281, 351, 1430 Series with "P3 " Arm
  690 Series with 281, 351, 1430 Series with "P9"Arm
  690 Series with 281, 351, 1430 Series with "P10" Arm
  1530 Series with 281, 351, 1430 Series with "P9" Arm
  1530 Series with 281, 351, 1430 Series "P10"
  1540 Series with 281, 351, 1430 Series with "P3" Arm

- **Parallel Arm Door Closer Applications Used with a Flush Frame**

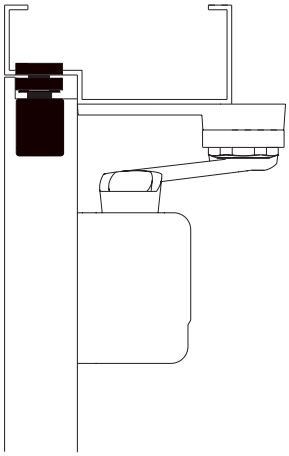
  590 Series with 281, 351, 1430 Series with "P4" ARM
  690 Series with 281, 351, 1430 Series with "P4" ARM
  1530 Series with 281, 351, 1430 Series with "P4"ARM
  1540 Series with 281, 351, 1430 Series with "P4" ARM

- **Inverted Top Jamb Applications**

  590, 690,1530,1540 Series with 281, 351,1430 Series and "O" 0Z, 0ZA arm



1430-P3 Shown w/1548S



351 P10 Shown w/697S

Note: This chart is only a quick reference. Some applications may require the use of 145 or 195 angle bracket

Contact factory for special applications.

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