

SARGENT®

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Holders & Stops

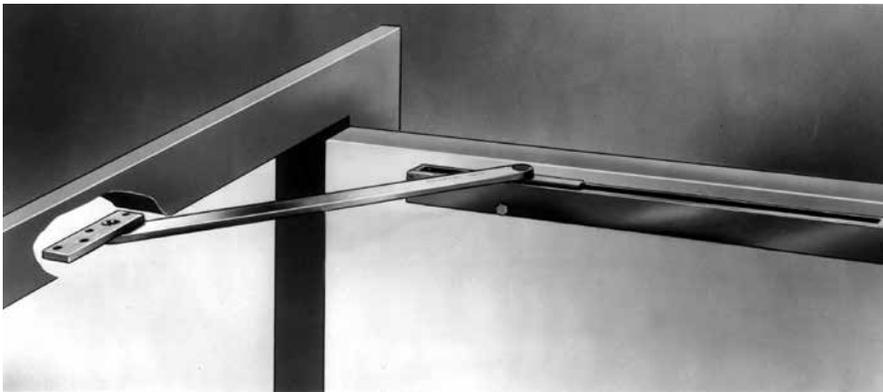


Table of Contents

Holders & Stops

Overview.....	1
General Information.....	2
Features and Details.....	3
590 Series Heavy Duty Overhead Surface Mount.....	4
690 Series Heavy Duty Overhead Concealed Mount.....	5
1540 Series Standard Duty Overhead Surface Mount.....	6
1530 Series Standard Duty Overhead Concealed Mount.....	7
1560 Series Electromagnetic Door Holders.....	8
Overhead Holder & Stop Installations.....	9
Finishes & Door Closer Compatibility Chart.....	10

On the Cover

590 Series Heavy Duty Surface Mount Overhead Holder
1561 Electromagnetic Wall Mount Door Holder

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 different series that include surface or concealed, standard or heavy duty, SARGENT has a stop/holder for every application.

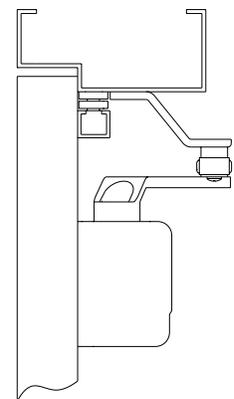
Overhead stops/holders are the most robust method of stopping a door while eliminating unsightly wall stops and floor stops. An overhead door stop protects the opening by effectively distributing abusive forces. Some door closers are available with stops/holders incorporated into them and work well in 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. The 590, 690, 1530 and 1540 series come with a 5 year warranty.

Applications

- Office Buildings
- Assisted Living Facilities
- Hotel Guest Rooms
- Public Housing
- Retail Establishments



281 PD10 with 590 Series stop in a 26 finish



1431 P3 Shown with 1548 Stop

SARGENT Traditional Holders & Stops

General Information

Holders & Stops

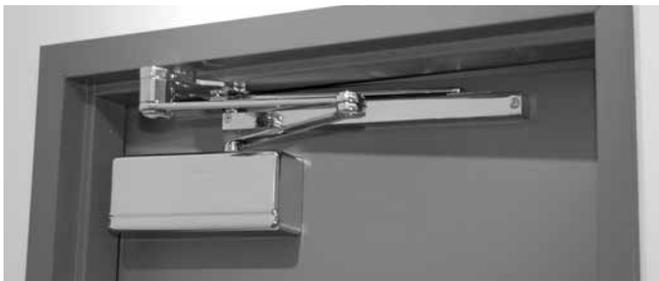


Selecting an Overhead Stop/Holder

The traditional line of Sargent overhead Holders & Stops is unsurpassed in the industry in regards to aesthetic details and quality. 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.

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.

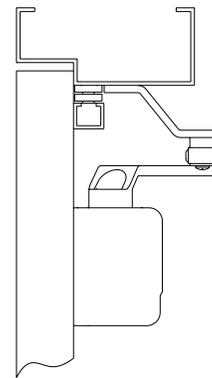
When using vertical rod exit devices and or surface/flush bolts, use caution in choosing the proper size to ensure compatibility.



281 PD10 with 590 Series stop in a 26 finish

Warranty

All 590, 690, 1530 and 1540 Series Holders and Stops carry a 5 year limited warranty for defects.



1431 P3 Shown with 1548 Stop

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SARGENT Traditional Holders & Stops

Features and Details

Holders & Stops

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Attention to detail and rugged design has made the SARGENT line of overhead stops and holders the premier door control products in the industry today. Our finely finished holders and stops are built from heavy gauge materials with attention to every detail. This produces a product that is strong and aesthetically pleasing.



Finished pivots



Decorative turn knob
finished same as track



Finished end caps recessed in channel

Features

- ANSI/BHMA Certified: All 590 and 690 series holders & stops are ANSI/BHMA Grade 1 Certified
- Heavy duty architectural bronze construction
- UL Classified: The 590, 690, 1530 and 1540 stops are UL 10B and UL 10C classified as a miscellaneous fire door accessories
- Corrosion resistance: Metal construction provides corrosion resistance in a variety of conditions
- Holder Selector: 590 and 690 series holders are equipped with a turn knob to activate and deactivate the hold open function
- Zinc end caps
- Through-bolts capture channel and end caps
- Heavy duty shock spring absorbs load and gradually stops door

Aesthetics:

- Metal construction provides superior quality plated finishes
- Finished End Caps: End caps recessed into channel and finished same as channel
- Finished Rivets: Fasteners used to secure the arm to the slide and the jamb bracket are polished and finished the same as the rest of the holder
- Finished holder turn lever: SARGENT 590 and 690 holders are built with a finished holder turn knob without any exposed screws
- Finished channel corners: Corners of the channels are polished to match the rest of the arm and channel

Convenience:

- Minimal number of sizes required to cover all door widths
- Standard holder sizes based on standard door widths
- Non-handed

590 Series Heavy Duty Overhead Surface Mount

Holder & Stops

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Interior or Exterior – High Traffic Doors

590 Series

- 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
- All holders/stops are installed for a particular degree of hold open or stop ranging from 85° – 110°

ANSI/BHMA A156.8 Grade 1

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

UL Classified

- SARGENT 590 Series stops are UL 10B & 10C classified by Underwriter Laboratories as Miscellaneous Fire Door Accessories

Note: Door stops are not fire 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 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

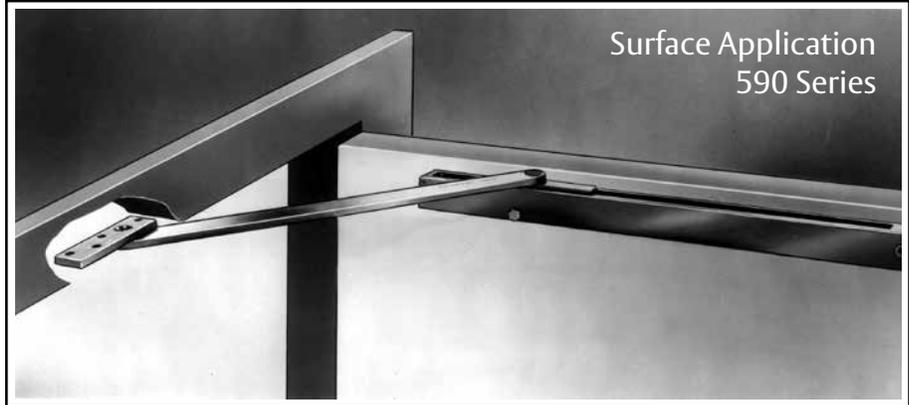
Machine Screws

- 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" – 2" door. 21-2302 x finish

No. 195 Angle Bracket

For Flush Door and Frames

590 Series holders can be mounted on flush door and frame assemblies 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" – 60" wide* and for doors 1-3/4" – 2" thick standard, Available for doors up to 3-1/4" thick, use 31- option and specify thickness
Finishes	03, 04, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D EN, EB, ED, EP and EAB
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- option and specify thickness
Options	31- Doors 2-1/4" – 3-1/4" thick, specify door thickness 36- Torx security machine screws for exposed screws on doors up to 2" thick. 6 per holder/stop CPC- Clear Powder Coat

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

How to Order

Specify options, number, letter designation, finish and door thickness as required.

Example: 31-SG-597H x 04 x 2-1/2" door

Actual Width of Door	Sizing Chart	
	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

690 Series Heavy Duty Overhead Concealed Mount

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Interior or Exterior – High Traffic Doors

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
- Both series can be mounted to stop the door at any angle from 85° – 110°
- Non-handed (Reversible)

ANSI/BHMA A156.8 Grade 1

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

UL Classified

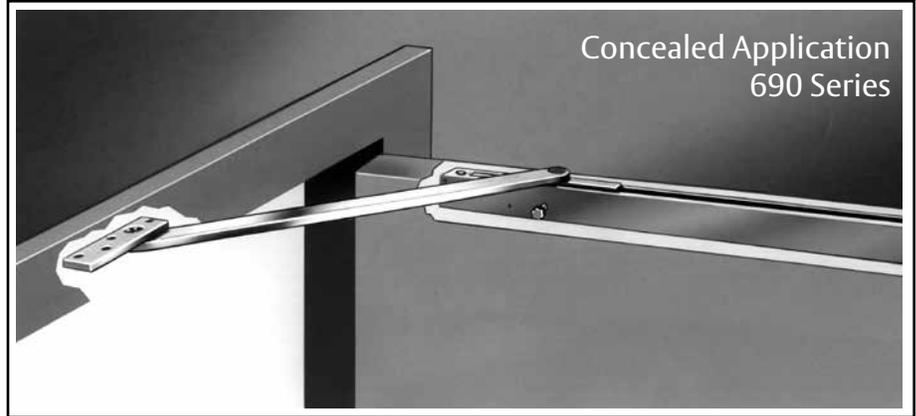
- SARGENT 690 Series stops are UL 10B & 10C classified by Underwriter Laboratories as Miscellaneous Fire Door Accessories

Hold-Open Feature

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

Accessories

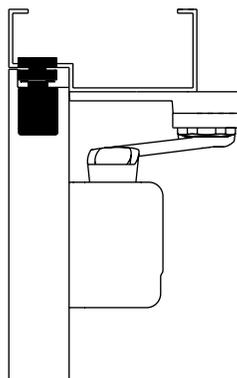
- Standard screw packs
 - 690H Series 21-2263 x finish
 - 690S Series 21-2267 x finish



697H shown

Specifications

For Doors	Exterior and interior doors from 24" – 60" wide*. For doors 1-3/8" – 1-3/4" thick standard, Available for doors up to 3-1/4" thick, use 31- option and specify thickness
Finishes	03, 04, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, EN, EB, ED, EP and EAB
Fasteners	Wood screws and machine screws provided and specify thickness
Options	31- Doors 2" – 3-1/4" thick, specify door thickness 36- Torx Security machine screws. 8 required CPC- Clear Powder Coat



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

How to Order

Specify options, number, letter designation, finish and door thickness as required.

Example: 31-CPC-697H x 03 x 2" door

Actual Width of Door	Sizing Chart	
	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 compatibility

1540 Series Standard Duty Overhead Surface Mount

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Interior – Medium Traffic Doors

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
- 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° – 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 movement of door
- Not for use with 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

ANSI/BHMA A156.8 Grade 1

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

UL Classified

- SARGENT 1540 Series stops are UL 10B & 10C 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" thick jamb bracket shims for use with frames with blade stops.

Machine Screws

- Order as required by 21-0198 x finish
- 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 18-1/2" up to 48" wide*, 1-3/8" to 1-3/4" thick standard, Available for doors up to 2-1/4" thick, use 31- option and specify thickness
Finishes	03, 04, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, EN, EB, ED, EAB and EP
Options	31- Doors 1-7/8" – 2-1/4" thick, specify door thickness 36- Torx Security machine screws. 6 required CPC- Clear Powder Coat

How to Order

Specify options, number, letter designation, finish and door thickness as required

Example: 31-CPC-1537F x 26D x 2" door

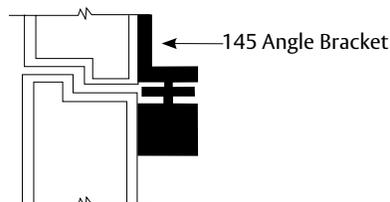
1540 Series furnished with through-bolt and grommet nut for mounting on doors, 1-3/8" – 1-3/4" thick only. For other doors up to 2-1/4" thick, specify thickness when ordering. For center hung pivots, consult factory.

Actual Width of Door	Sizing Chart		
	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.



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

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

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1530 Series Standard Duty Overhead Concealed Mount

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Interior – Medium Traffic Doors

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
- Holder/Stop is concealed with arm and bracket mortised into jamb

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
- Maximum door opening 110°

Friction Type:

- Prevents unwanted movement of door
- Not for use with 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/BHMA A156.8 Grade 1

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

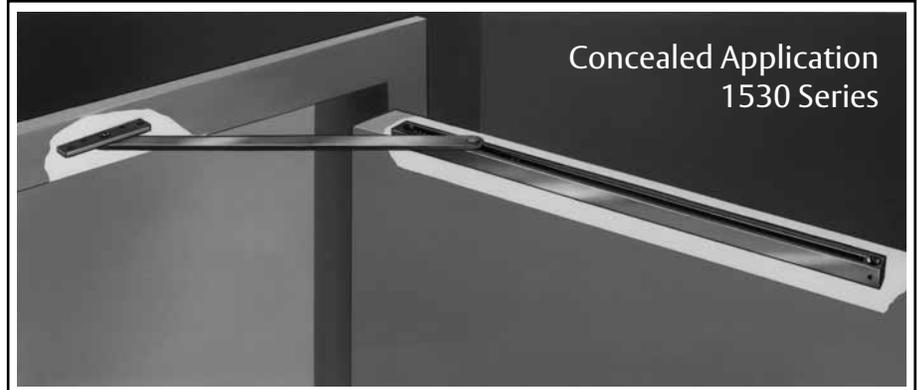
UL Classified

- SARGENT 1530 Series stops are UL 10B & 10C 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 19" up to 48" wide*, 1-3/8" – 1-3/4" thick, as standard. Available for doors up to 2" thick, use 31- option and specify thickness
Finishes	03, 04, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, and EN, EB, ED EAB and EP
Fasteners	Wood screws, machine screws provided as standard
Options	31- Doors 1-7/8" – 2" thick, specify door thickness 36- Torx Security machine screws. 6 required CPC- Clear Powder Coat

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

Actual Width of Door	Sizing Chart		
	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

Actual Width of Door	Sizing Chart For Center Hung Pivots Only		
	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 options, number, letter designation, finish and door thickness as required.

Example: 31-CPC-1537F x 26D x 2" door

1560 Series Electromagnetic Door Holders

Holders & Stops

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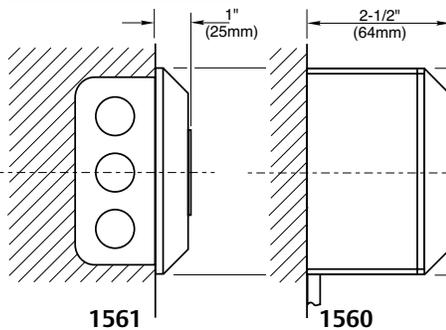
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Electromagnetic Door Holder

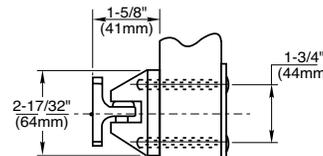
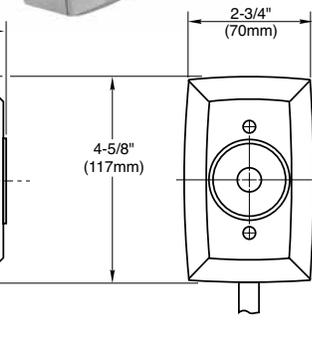
- Designed for use with self-closing fire and smoke barrier doors
- Use independently or with any fire or smoke detector system
- When de-activated, helps control the spread of fire and smoke by automatically releasing doors from an open position for simultaneous closing
- Fail-safe device: When electrical 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/BHMA A156.15
- UL Listed to U.S. and Canadian safety standards
- 1" (25mm) extension p/n 52-2573 included standard to increase armature projection to 2-5/8" (67mm)
- Order as:
1561 for Flush Mount
1560 for Surface Mount
1562 for Single Floor Mount
1563 for Double Floor Mount

Wall Mount

1561 Flush Mount

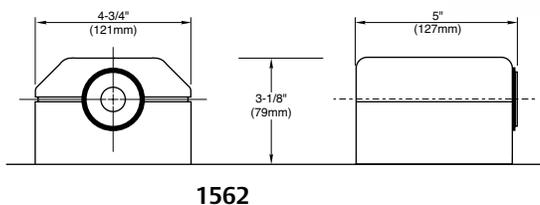


1560 Surface Mount

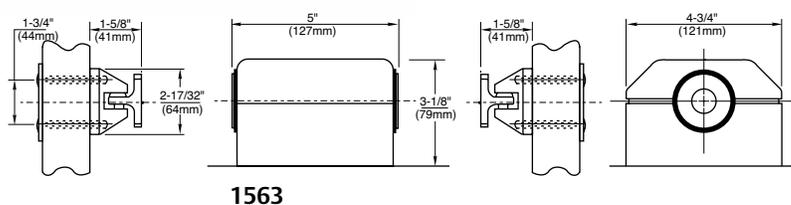


Floor Mount

1562 Single Floor Mount



1563 Double Floor Mount



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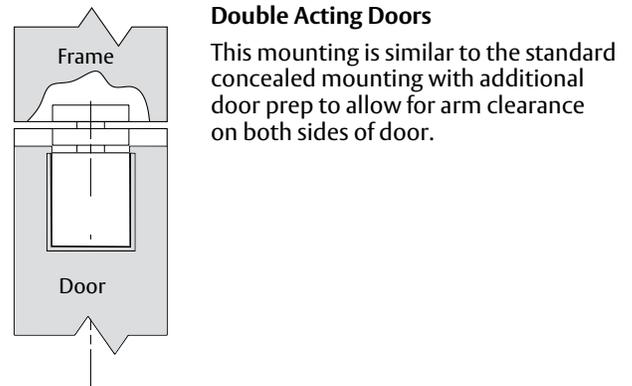
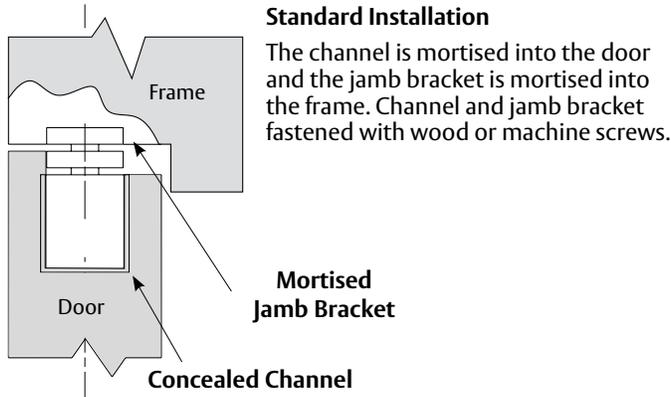
Overhead Holder & Stop Installations

Holders & Stops

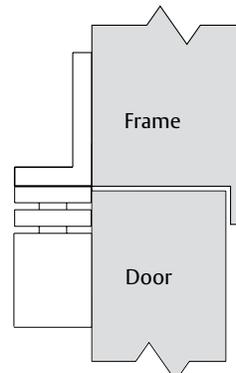
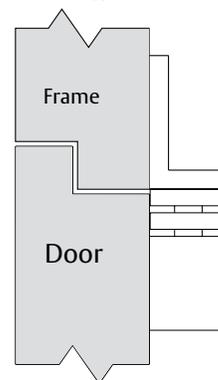
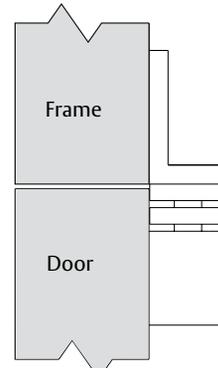
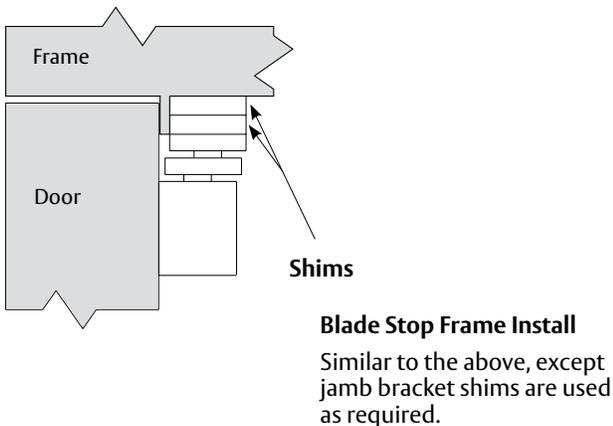
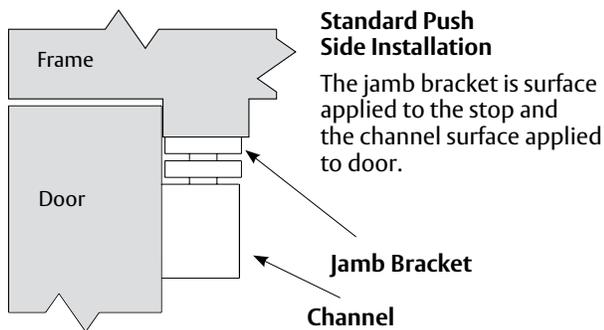
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Concealed Mounting (690 or 1530 Series)



Surface Mounting (590 or 1540 Series)



Finishes & Door Closer Compatibility Chart

Holders & Stops

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Note: EN Finish standard for 1560 Series, consult factory for other painted colors

Frequently Used SARGENT Door Closers with Overhead Holders and Stops

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

590 Series with 281, 351, 1431 Series with "O" Arm
690 Series with 281, 351, 1431 Series with "O" Arm
1530 Series with 281, 351, 1431 Series with "O" Arm
1540 Series with 281, 351, 1431 Series with "O" Arm

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

590 Series with 281, 351, 1431 Series with "P3" Arm
690 Series with 281, 351, 1431 Series with "P9" Arm
690 Series with 281, 351, 1431 Series with "P10" Arm
1530 Series with 281, 351, 1431 Series with "P9" Arm
530 Series with 281, 351, 1431 Series "P10"
1540 Series with 281, 351, 1431 Series with "P3" Arm

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

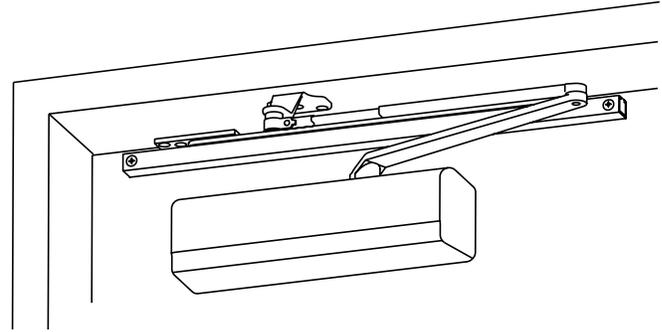
590 Series with 281, 351, 1431 Series with "P4" ARM
690 Series with 281, 351, 1431 Series with "P4" ARM
1530 Series with 281, 351, 1431 Series with "P4" ARM
540 Series with 281, 351, 1431 Series with "P4" ARM

- **Inverted Top Jamb Applications**

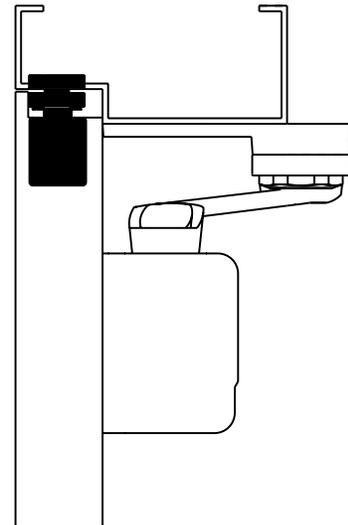
590, 690, 1530, 1540 Series with 281, 351, 1431 Series and "O" OZ, OZA arm

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.



1430-P3 Shown w/1548S



351 P10 Shown w/697S

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

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