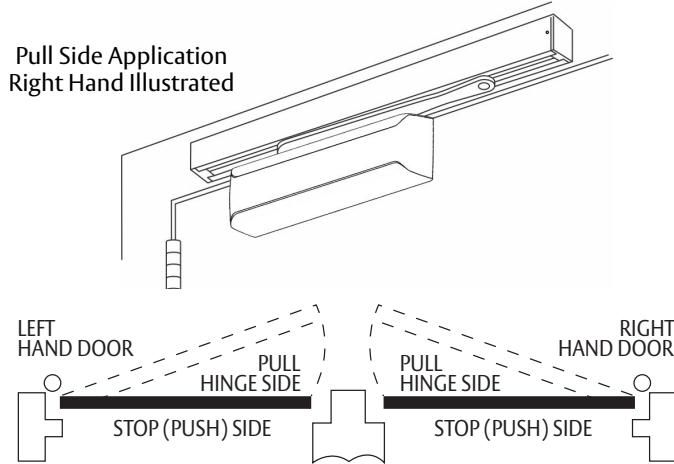


281 Powerglide Series

Door Closer with OD, ODB, HD, or HDB Arms

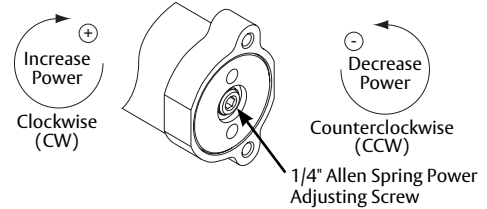
281 Series Non-Sized Adjustable from Sizes 2 thru 5

Pull Side Application
Right Hand Illustrated



Where strong drafts exist, increase spring power as needed by turning spring adjustment screw clockwise. If necessary, reduce spring power by turning screw counterclockwise.

Door Width	Approximate Door Weight (Pounds)	Number of Turns of Spring Adjusting Screw
24"	80	1-5 CCW
30"	110	Factory Set
32"	115	
36"	130	
40"	150	1-5 CW
42"	155	
44"	165	7-12 CW
46"	170	
48"	180	

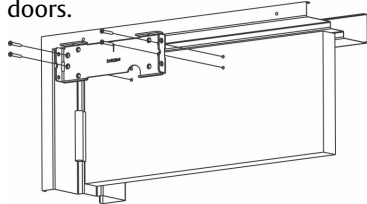


1. Prepare door and frame.

Use the dimensions shown on data sheet A7420 or refer to page 4 to locate and prepare for mounting screws.

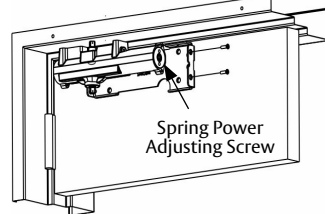
2. Install mounting bracket and closer.

Install the mounting bracket with the arrow pointing up for both RH and LH doors.



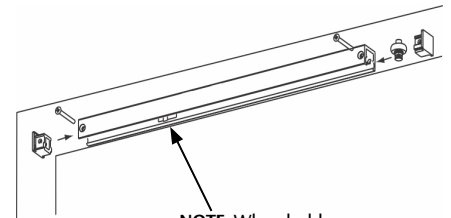
Remove backing from self adhesive tape and use mounting bracket as drill through template.
Right Hand Door Shown

Install the closer with spring adjustment screw away from hinge.



3. Assemble and install track.

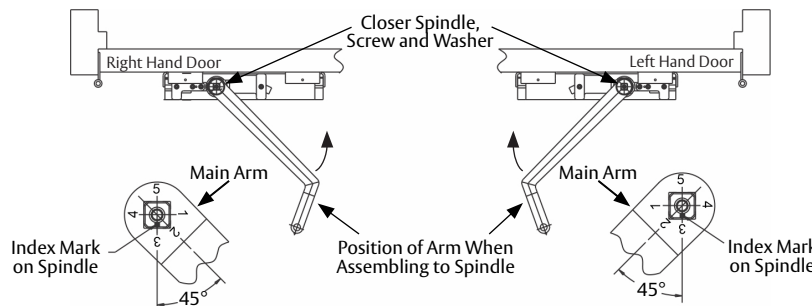
Insert roller and end caps into track and attach to frame.



NOTE: When hold open or bumper options are used, mount track with device toward hinge edge of door.

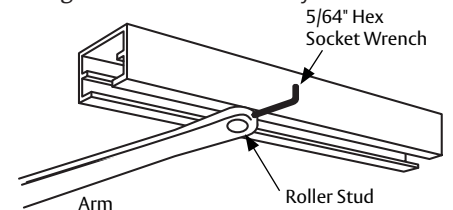
4. Assemble and attach arm and spindle.

Assemble arm to closer with index mark on end of spindle 45° from axis of arm as illustrated below. Use washer and screw to retain arm.



5. Connect arm to track.

Connect arm to roller stud. Using hex wrench, back out arm set screw. Open door to 45° and fit arm onto roller stud. Tighten set screw securely.



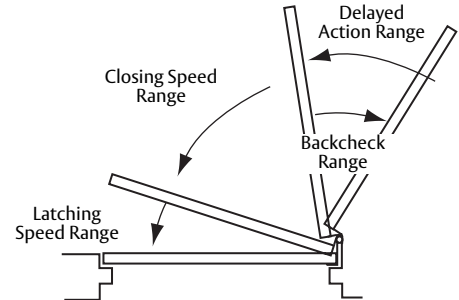
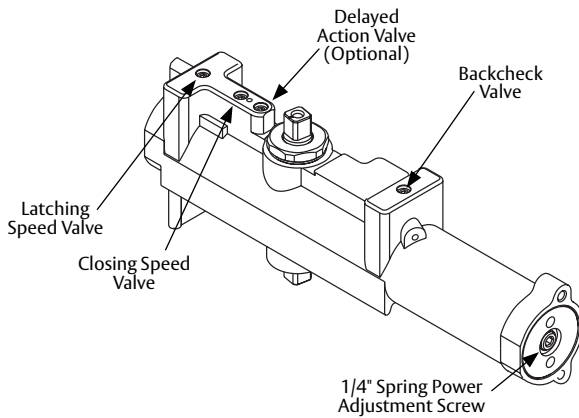
281 Series

Door Closer with OD, ODB, HD, or HDB Arms



Installation Instructions

Final Adjustment and Regulating Procedure



Regulating Door & Latching Speed

Regulate door and latching speed as needed.

Use hex socket (1/8" Allen) wrench and turn valves clockwise to slow down or counterclockwise to speed up door movement.



Regulating Backcheck

To regulate the intensity of backcheck action, turn valve clockwise to increase or counterclockwise to decrease checking. **CAUTION:** Set valve for slight cushioning effect. The closer may be damaged if the checking action is too abrupt. Never use backcheck as a door stop.



Always use a door stop to stop the door.

For Models with Optional Delayed Action Feature

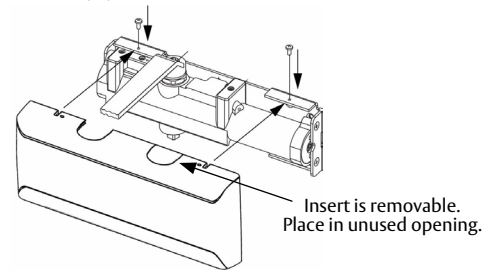
"Delayed Action" provides slow door closing through delayed action range.

Turn valve clockwise to slow down or counterclockwise to speed up door movement.



Install Cover

Install cover with two (2) screws as shown.

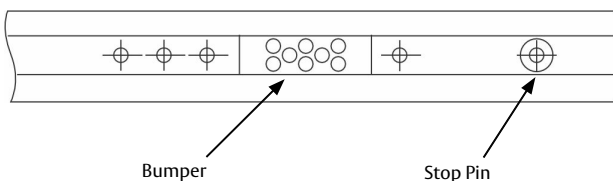


Options

Bumpers assist backcheck in cushioning the opening for the door. It is not intended to replace an auxiliary door stop.

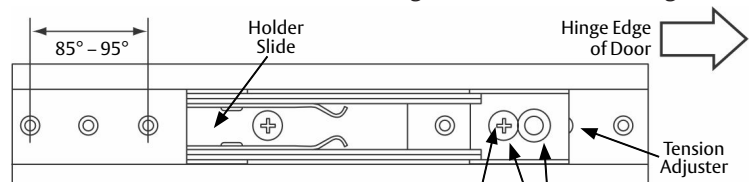
To change the bumper stop location, remove mounting screw and relocate bumper stop to desired position.

NOTE: Remove Stop Pin to increase degree of door opening.



For models having holder tracks:

The holder device is set for 95° door holding position at the factory and the holder tension is set at the lightest of the three settings.



To increase the holding tension:

- Remove the mounting screw.
- Move the tension adjuster toward holder side using either of the two (2) hole locations.

Three (3) positions of tension are possible.

281 Series

Door Closer with OD, ODB, HD, or HDB Arms

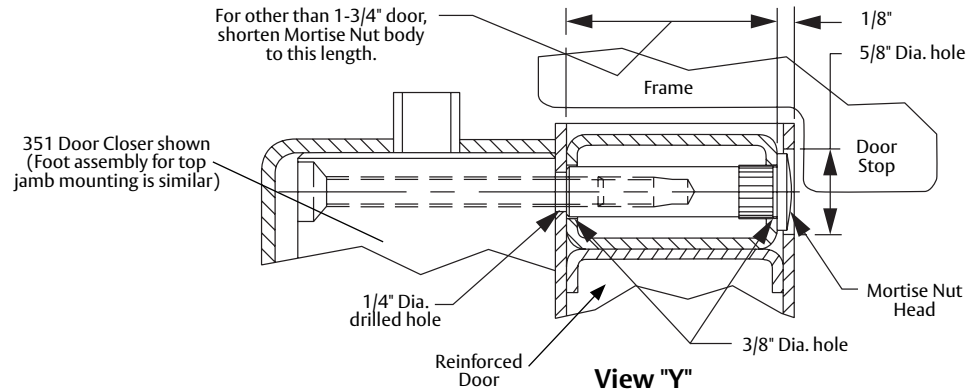
SARGENT

ASSA ABLOY

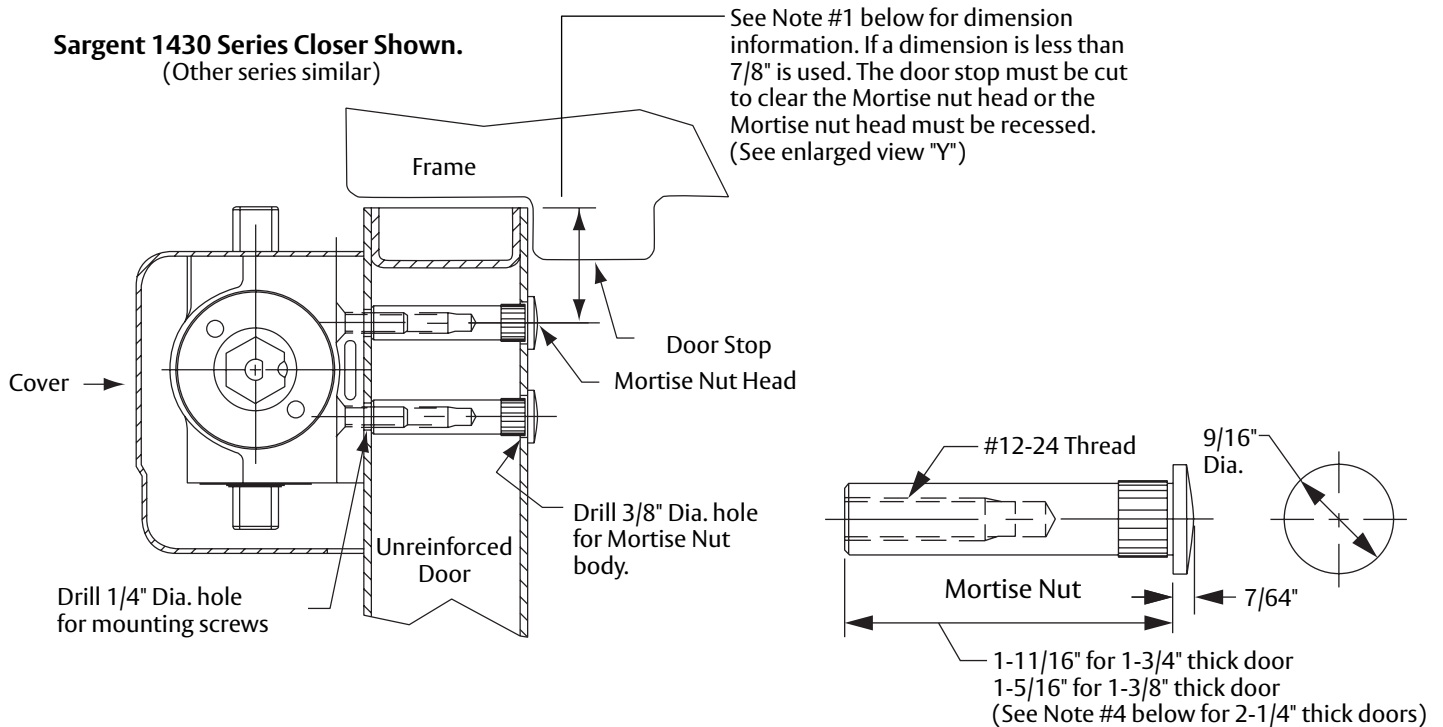
Installation Instructions

Using Mortise Nuts with a Sargent Door Closer

Sargent 351 Door Closer Shown

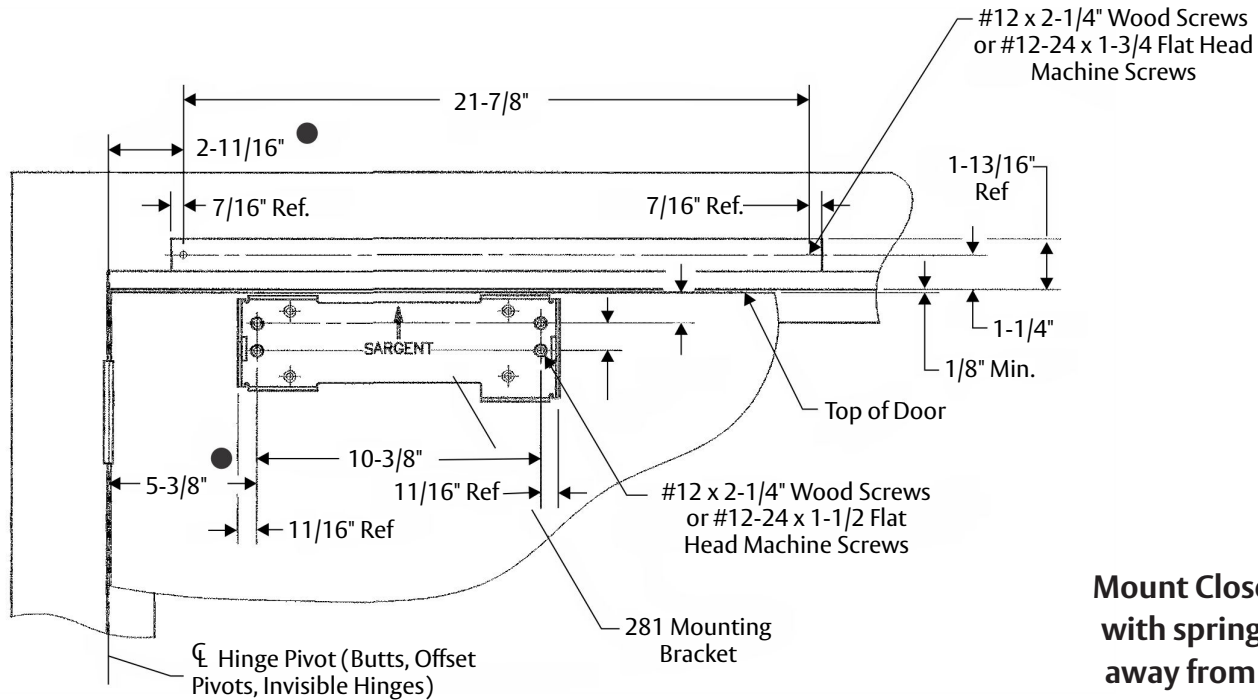


Sargent 1430 Series Closer Shown. (Other series similar)



NOTES:

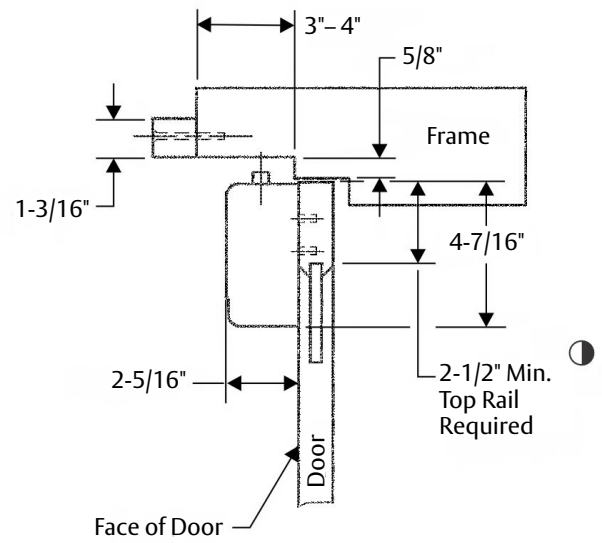
1. See instruction or data sheet packed with door closer for dimensions locating the closer body and foot on door and frame.
2. Mortise nut shown is designed for unreinforced metal doors.
3. **For top jamb and corner bracket applications:** The door closer foot will be attached to the door in a manner similar to that shown for mounting the closer body.
4. **For doors 2-1/4" thick:** Mortise nut shown for 1-3/4" thick doors will be furnished along with appropriate length thru-bolts. Door construction must provide a bridge type reinforcement to prevent the door rail from collapsing when thru-bolts are tightened.



Mount Closer Body with spring facing away from hinge.

Description	Arm Type	Maximum Door Opening		Range of Hold Open
		with Bumper	without Bumper	
Regular Arm	OD	120°	160°	—
Holder Arm	HD	120°	160°	85° to 120°

1. Right hand door shown. Left hand door opposite.
2. 12 Gauge min. reinforcement required for metal doors and frames.
3. ● This dimension is taken from hinge edge of door for invisible hinges.
4. To open door 120° remove bumper stop.
5. If door and frame condition permit.
6. Space required to mount closer on rail. If space is less than shown, use 281-D drop plate. See data sheet A7244 for details.



⚠ 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.

⚠ WARNING

Attention Installer: Improper installation may result in damage to the product and void the factory warranty.

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