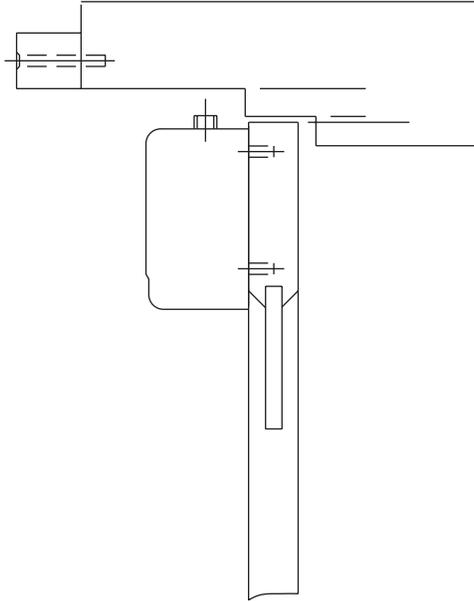


351 Double Egress Arm Instruction Sheet

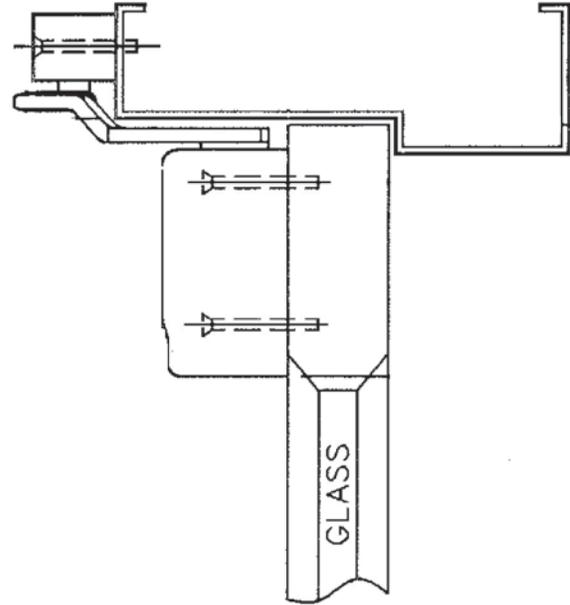
This document contains instructions for installing OD, ODB, HD, and HDB arms for double step frames, and ODS, ODSB, HDS, and HDSB arms for single step frames.



FOR INSTALLATION ASSISTANCE, CALL SARGENT AT 1-800-727-5477 • www.sargentlock.com

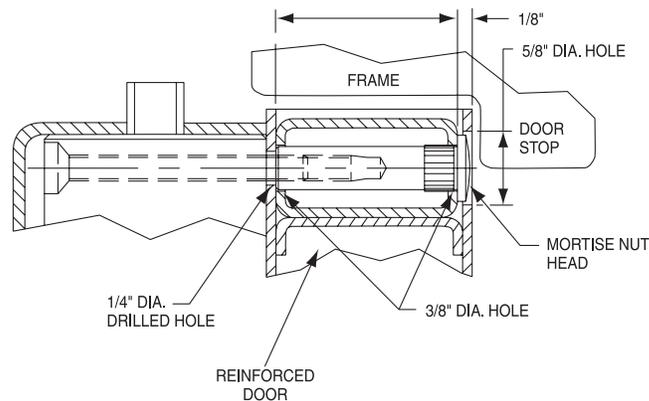


Double Step Frame
OD, ODB, HD, and HDB
See page 2



Single Step Frame
ODS, ODSB, HDS, and HDSB
See page 4

WHEN USING MORTISE NUTS

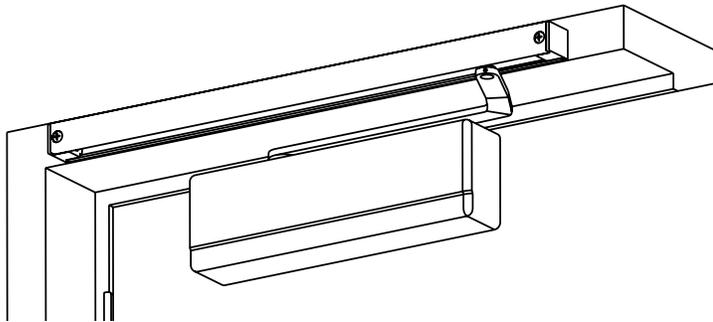


351 with OD, ODB, HD, HDB DOUBLE EGRESS Arm and Track INSTALLATION INSTRUCTIONS for DOUBLE STEP FRAME

For assistance contact SARGENT at 800-727-5477 or www.sargentlock.com

NOTE: AN AUXILIARY DOOR STOP IS REQUIRED AT HOLD OPEN

Right hand shown



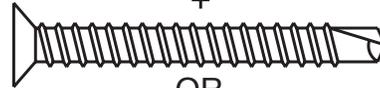
Double step frame

1

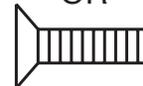
Use template on page 3 to drill and tap door and wall for 12-24 machine screws or predrill when using self tapping screws provided. See page 2 when using mortise nuts



+



OR

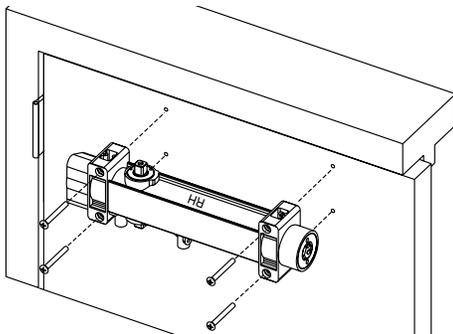


Pre-drill - 3/32" holes
for self tapping screws or #16 drill for
#12-24 tap for machine screws
(Use 1/8" hole for fire rated wood doors)

2

Install closer with spring adjustment away from hinge.

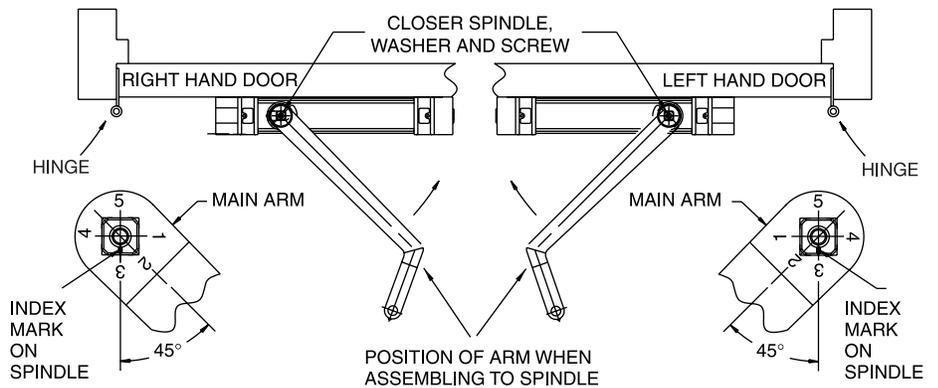
351 .Closer bodies are not handed. It is important that the closer body be mounted as follows: RH symbol at top for right hand door. LH symbol at top for left hand door.



Right hand shown

3

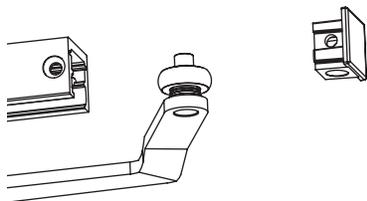
Use screw and washer to secure main arm to spindle with index mark as shown.



WARNING: If not properly indexed, door closer will not function properly.

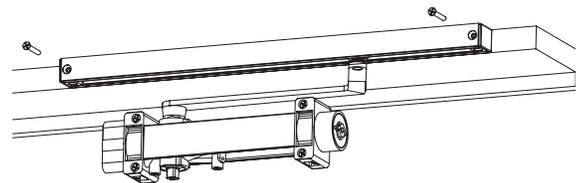
4

Slide track over roller and insert end caps



5

Secure track to frame with screws provided.



2

1/13/12
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SARGENT

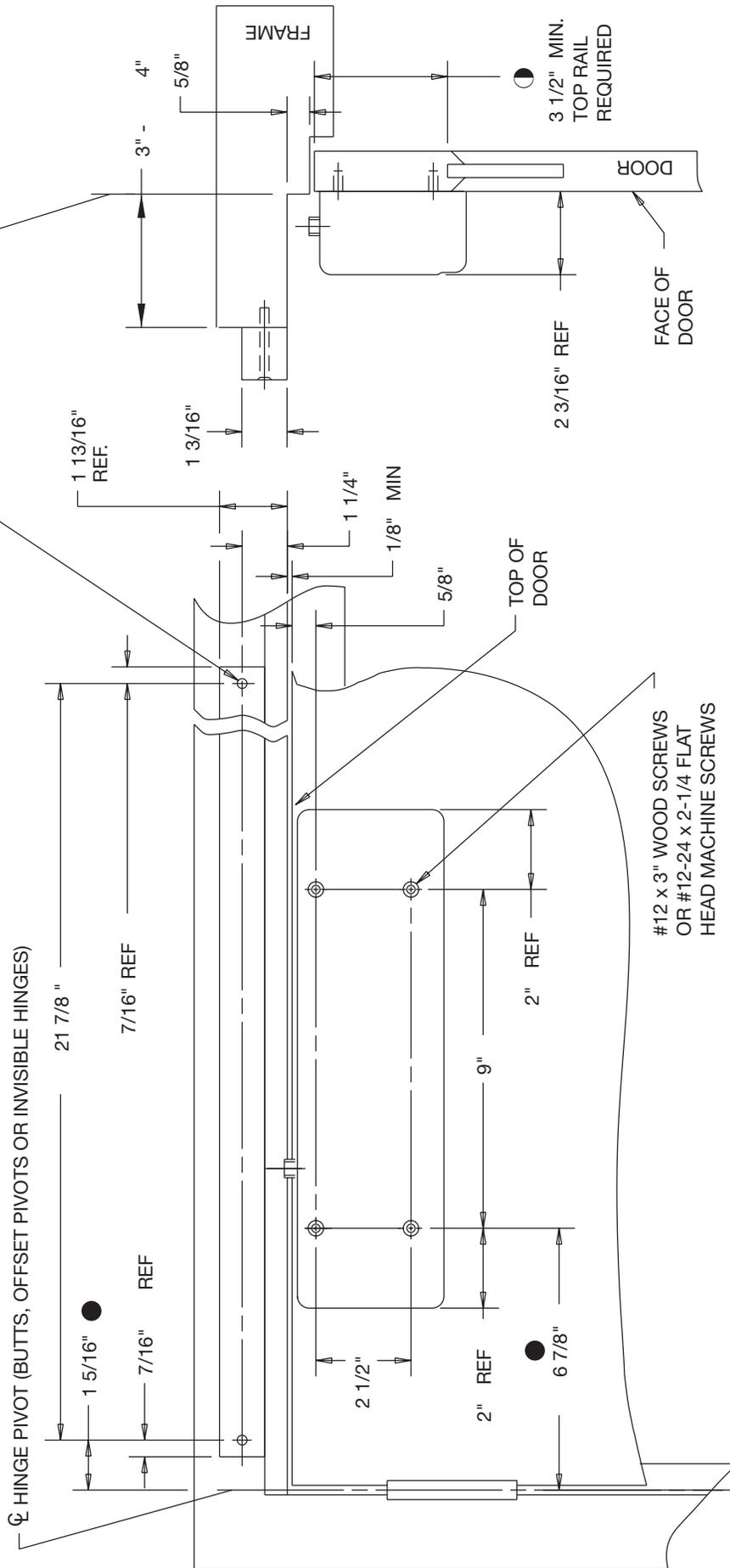
ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

DESCRIPTION	ARM TYPE	MAXIMUM DOOR OPENING		RANGE OF HOLD OPEN
		WITH BUMPER	WITHOUT BUMPER	
REGULAR ARM	OD	120°	160°	85° TO 120°
HOLDER ARM	HD	120°	160°	85° TO 120°

#12 X 1 1/2" WOOD SCREWS
OR #12-24 X 1 3/4" FLAT
HEAD MACHINE SCREWS

1/4" MAXIMUM FRAME
PROJECTION PERMITTED
FROM FACE OF DOOR



NOTES:

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 DATA SHEET A6772 FOR DETAILS.

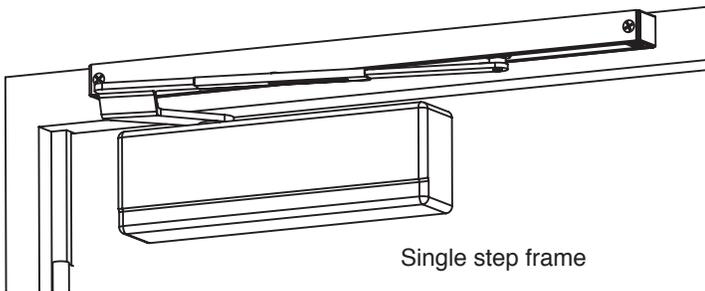
SARGENT MANUFACTURING COMPANY • NEW HAVEN, CONN. 06511	
DATA SHEET:	EFFECTIVE DATE
351 SERIES DOOR CLOSERS	JANUARY, 00
TRACK TYPE APPLICATION	TEMPLATE NO.
DOUBLE EGRESS	A7355B
OD AND HD ARMS	

351 with ODS, ODSB, HDS, HDSB DOUBLE EGRESS Arm and Track INSTALLATION INSTRUCTIONS for SINGLE STEP FRAME

For assistance contact SARGENT at 800-727-5477 or www.sargentlock.com

NOTE: AN AUXILIARY DOOR STOP IS REQUIRED AT HOLD OPEN

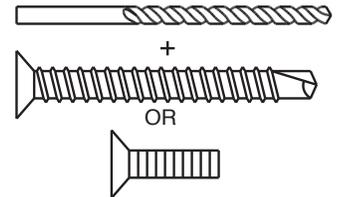
Right hand shown



Single step frame

1

Use template on page 5 to drill and tap door and wall for 12-24 machine screws or predrill when using self tapping screws provided. See page 5 when using mortise nuts

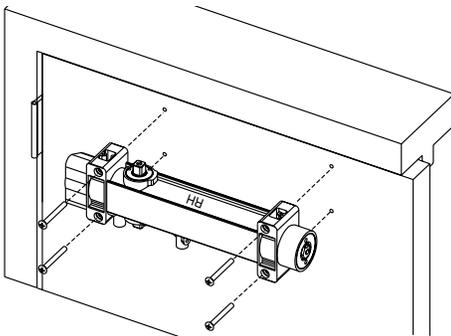


Pre-drill - 3/32" holes for self tapping screws or #16 drill for #12-24 tap for machine screws. (Use 1/8" hole for fire rated wood doors)

2

Install closer with spring adjustment away from hinge.

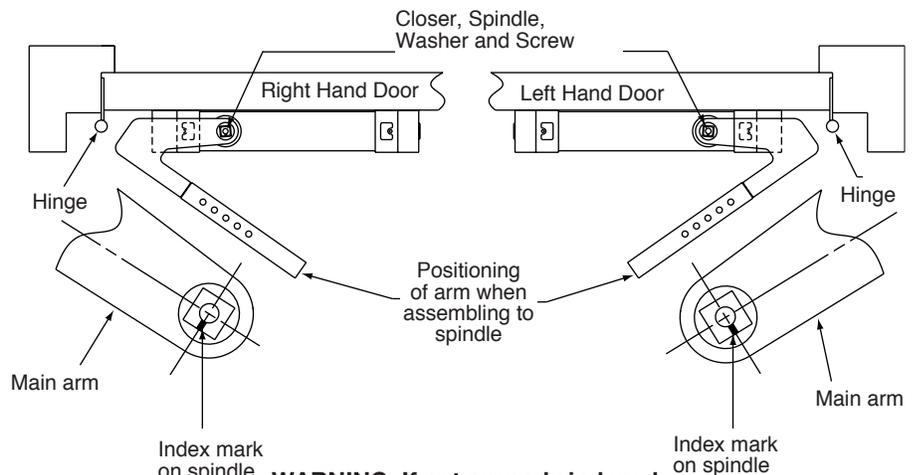
351 Closer bodies are not handed. It is important that the closer body be mounted as follows: RH symbol at top for right hand door. LH symbol at top for left hand door.



Right hand shown

3

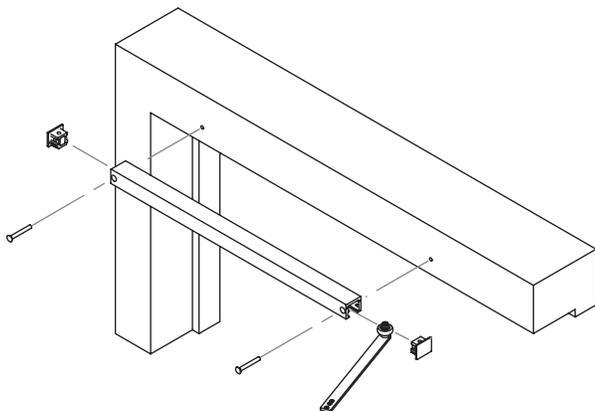
Use screw and washer to secure main arm to spindle with index mark as shown.



WARNING: If not properly indexed, door closer will not function properly.

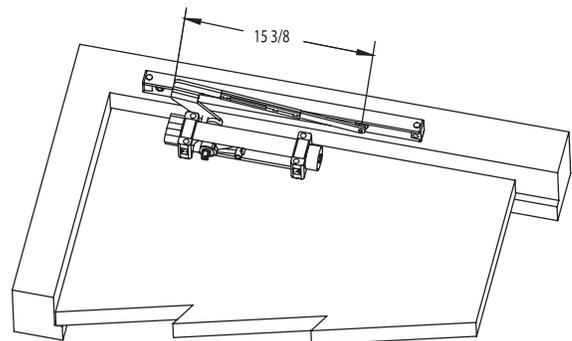
4

Insert roller arm into track, install end caps and secure track to frame using provided fasteners.



5

Assemble the two arm sections, adjust arm length as shown and secure with black screw provided.



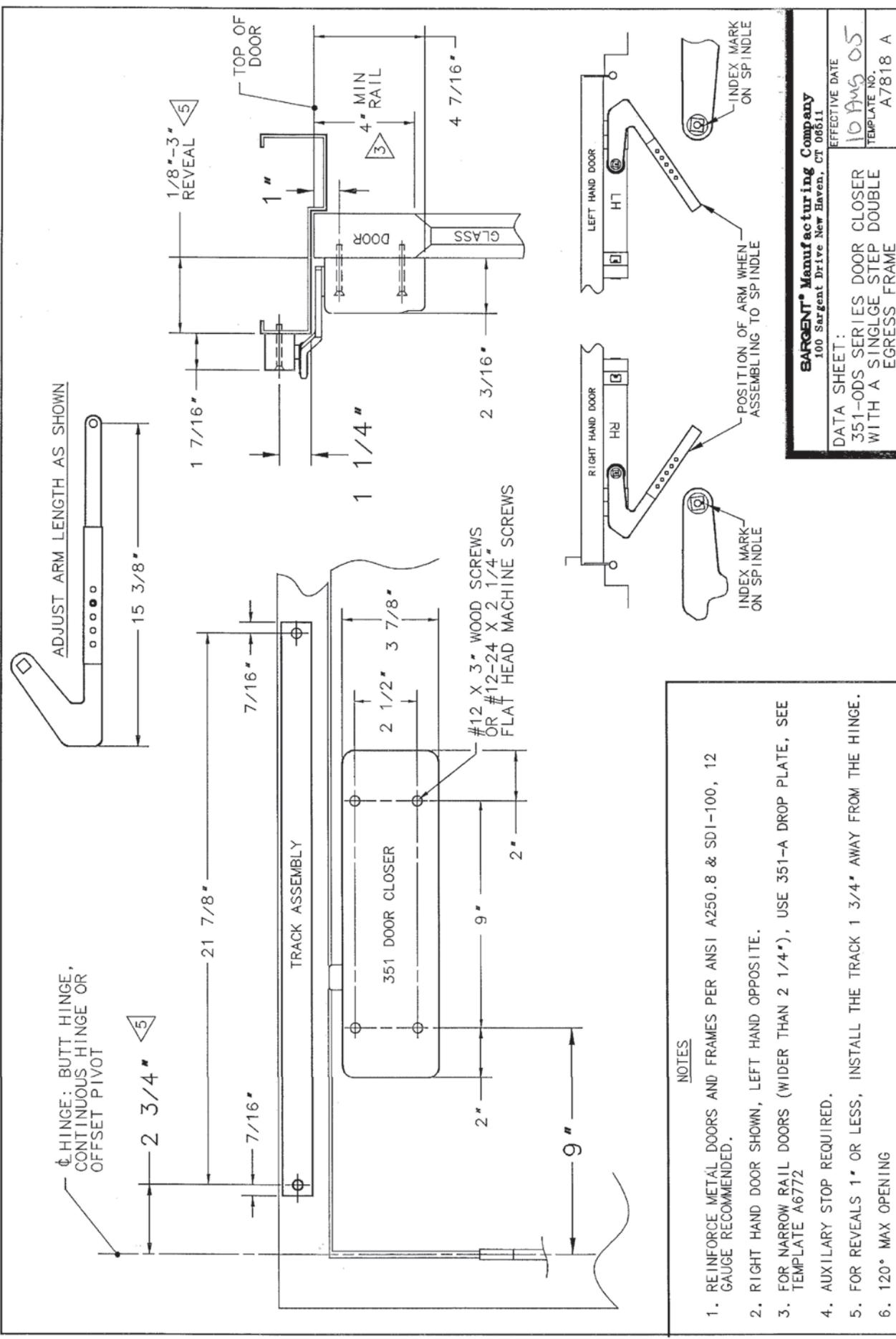
4

1/13/12
A7371C

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ASSA ABLOY, the global leader in door opening solutions



SARGENT[®] Manufacturing Company
 100 Sargent Drive New Haven, CT 06511

EFFECTIVE DATE: 10 Aug 05

TEMPLATE NO. A7818 A

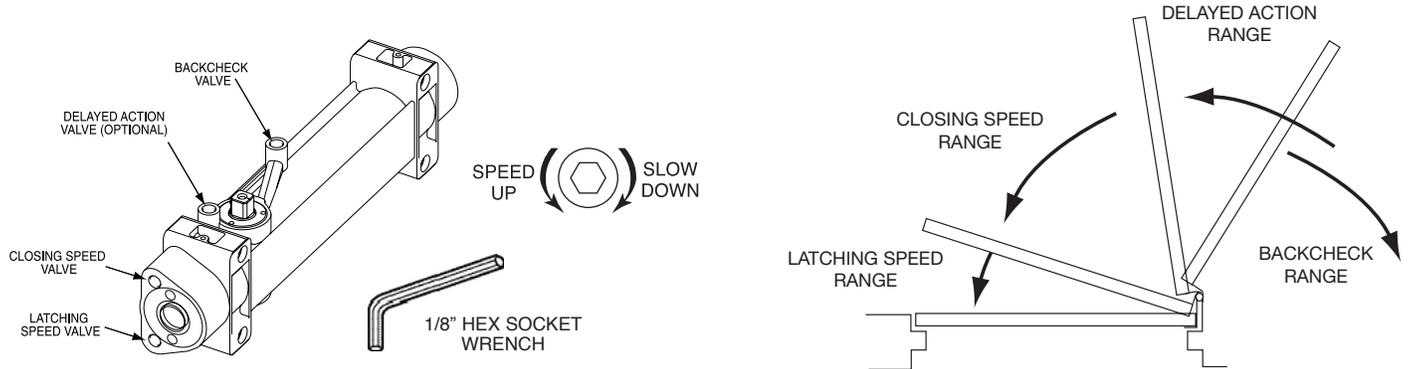
DATA SHEET:
 351-ODS SERIES DOOR CLOSER
 WITH A SINGLE STEP DOUBLE
 EGRESS FRAME

- NOTES
1. REINFORCE METAL DOORS AND FRAMES PER ANSI A250.8 & SDI-100, 12 GAUGE RECOMMENDED.
 2. RIGHT HAND DOOR SHOWN, LEFT HAND OPPOSITE.
 3. FOR NARROW RAIL DOORS (WIDER THAN 2 1/4"), USE 351-A DROP PLATE, SEE TEMPLATE A6772
 4. AUXILIARY STOP REQUIRED.
 5. FOR REVEALS 1" OR LESS, INSTALL THE TRACK 1 3/4" AWAY FROM THE HINGE.
 6. 120° MAX OPENING

FINAL ADJUSTMENT AND REGULATING PROCEDURE

Adjusting Door Closing Speeds

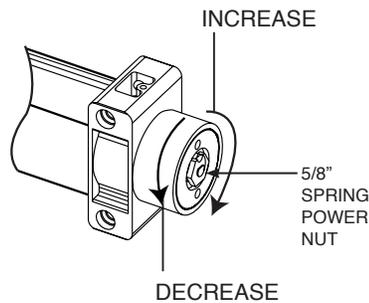
Adjust closing speed and latching speed valves to achieve the desired closing time. Recommend 6 seconds minimum from 90° to the closed position. If Backcheck is required, adjust valve to achieve a slight cushioning effect. Auxiliary stop required. If closer is equipped with delayed action, regulate valve to achieve the desired delay.



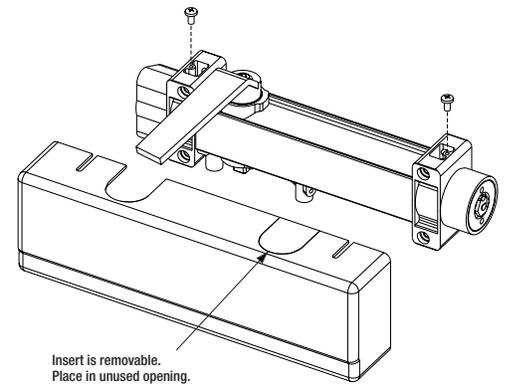
Adjust Closing Force

Adjust closing power to the minimum required to reliably close and latch door.

- If door is hard to open, decrease power slightly.
- If door does not latch, increase power as required.
- Use the chart as a starting point.
- Doors adjusted with high closing power to overcome strong draft conditions may exceed ADA standards.



Install Cover



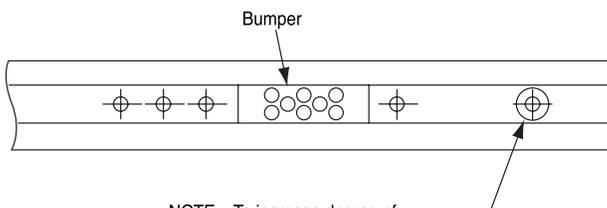
NUMBER OF TURNS OF SPRING POWER ADJUSTING NUT

DOOR WIDTH (INCHES)	EXTERIOR DOORS	INTERIOR DOORS
24-30	TURN nut 1-3 ↶	TURN nut 1-3 ↶
30-36	FACTORY SET	FACTORY SET
36-42	TURN nut 1-4 ↷	TURN nut 1-3 ↷
42-48	TURN nut 7-9 ↷	TURN nut 4-6 ↷

Options

Bumper assists backcheck in cushioning opening for door. It is not intended to replace auxiliary door stop.

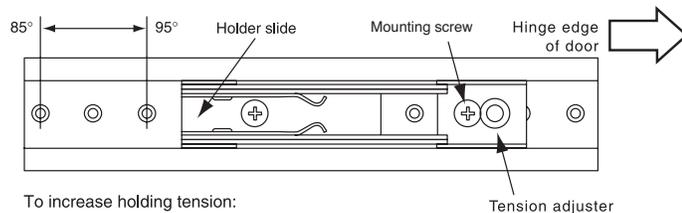
To change bumper stop location: Remove mounting screw and relocate bumper stop at desired position.



NOTE: To increase degree of door opening, remove stop pin

For models having holder arms:

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 holding tension: Remove mounting screw and move tension adjuster toward holder slide by using either of the two hole locations. Three positions of tension are possible.