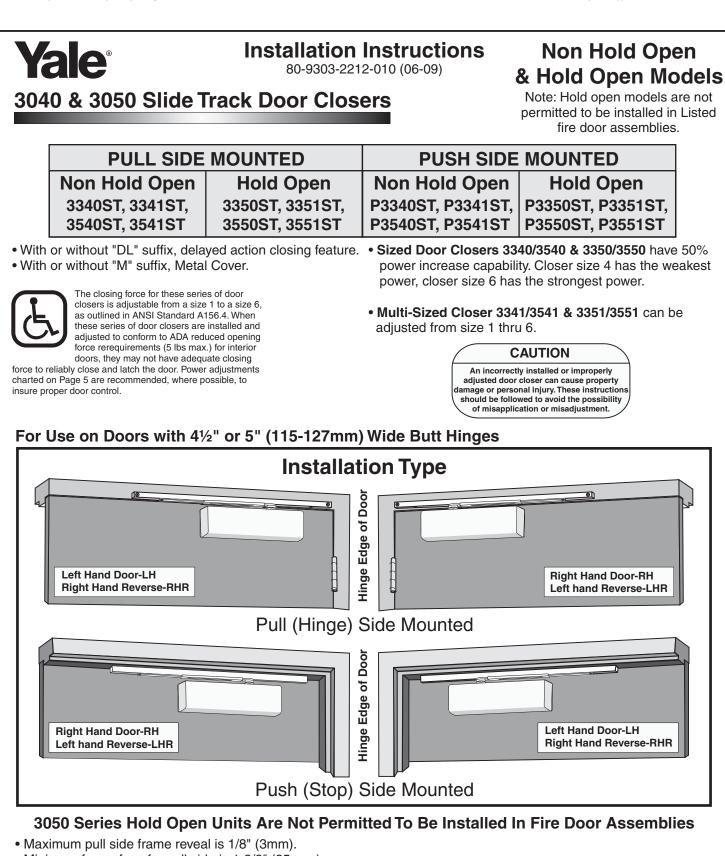
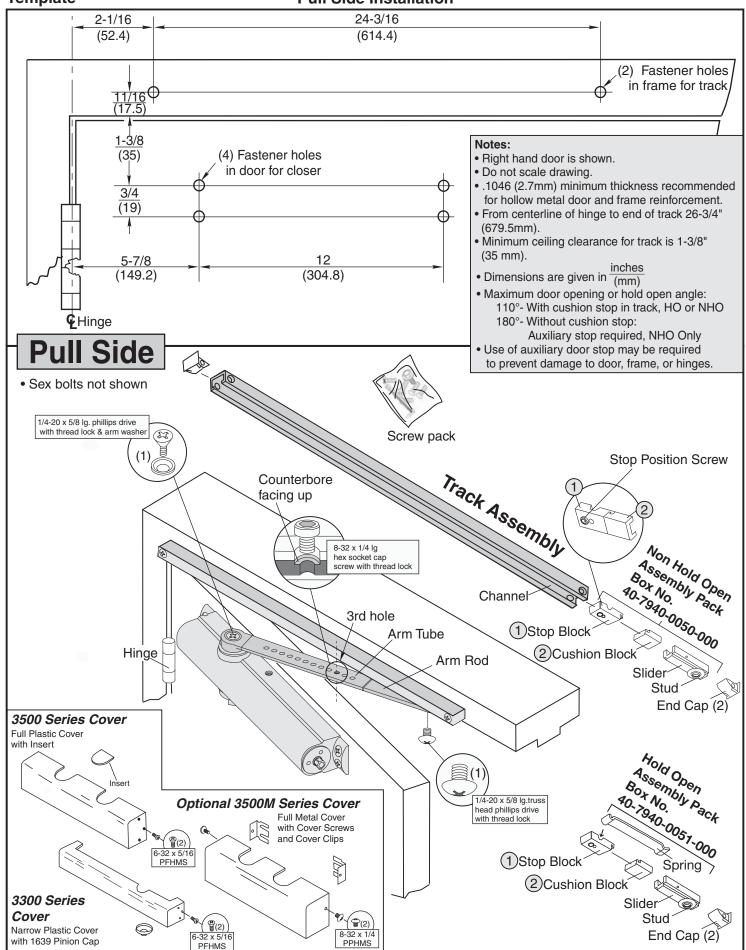
This product is now proudly being offered under the ASSA ABLOY ACCENTRA™ brand, effective June 20, 2023. Visit YaleCommercial.com/en/Today for support and information.



- Minimum frame face for pull side is 1-3/8" (35 mm).
- All components are non handed.
- The use of ball bearing hinges is recommended for the door on which the closer will be installed. Door must swing freely.
- Where severe or abusive conditions are expected a separate door stop, supplied by others, is recommended to assist in preventing damage to the door closer, closer arm; or to the door, frame or adjacent walls.
- Door and frame must be properly reinforced, or the use of special fasteners employed, to prevent door collapse or the mounting screws from pulling out.
- All dimensions are given in inches with corresponding metric dimensions (millimeters) in parentheses.

Template

Pull Side Installation

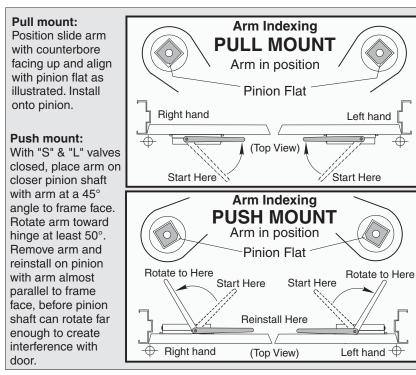


Installation Sequence Pull or Push Side Mount

- Determine hand of door and type of installation from illustrations on Page 1.
- Use template dimensions on Page 2 or Page 4 to locate fastener holes on door and frame. See "Preparation for Fasteners" chart. Frame: Prepare the frame for mounting track. Drill and tap holes for 1/4-20 machine screws or #14 wood screws.
 - **Door:** Prepare the door for mounting closer. Drill and tap (4) holes for 1/4-20 machine screws, #14 wood screws, 3/8 diameter sex-nuts, or through bolts and grommet-nuts.
 - **Note:** If drop plate is used (see Page 4), prepare holes for 3148/3548/3158 drop plate instead of closer. Secure drop plate before mounting closer.

• Fasten closer to door or drop plate. Position closer with: Pull side- power adjustment shaft away from hinge Push side- power adjustment shaft toward hinge Secure mounting screws.

- **Note:** If using full metal cover, mounting clips must be slipped under ends of closer when closer is being mounted. Clips should project 1/4" (6 mm) from each end of closer.
- Assemble Slide Arm. Insert flat arm rod into arm tube with the counterbore screw hole facing up. Align counterbore with the 3rd hole in the arm tube and secure with 8-32 x 1/4 long hex socket cap screw. See illustration on Page 2 or 4.
- Install arm on closer pinion-see arm indexing illustrations below.



• Secure arm with washer and flat head phillips drive arm screw with thread lock.

Preparation for Fasteners $ + + +$			
Fasteners	Door or Frame	Drill Sizes	
#14 type "A" S.M. screw Closer: 1-1/4" (32mm) Track: 2-3/4" (70mm)	Wood	7/32" (5.56mm)	
1/4" -20 machine screw	Metal	drill: #7 (.201") tap: 1/4" -20	
Sex-nuts and bolts	Hollow Metal	9/32" (7.00mm) through 3/8" (9.50mm) door-face opposite to closer	
	Aluminum or Wood	3/8" (9.50mm) through	
Through-bolts and grommet-nuts (Optional)	All	9/32" (7.00mm) through; 3/8" (9.50mm) dia. x 3/8" (10mm) deep door- face opposite to closer	

Track Assembly

Remove slider assembly parts from box # 40-7940-0050-000 for Non Hold Open or # 40-7940-0051-000 for Hold Open and insert into channel in the order shown. See illustration on Page 2 or 4.

Use of the hold open assembly pack on a non hold open device will void the UL® listing for this product.

Insert end caps into ends of track prior to installing.

• Install track to frame. Place the assembled slide track against frame with the open side down, stop and cushion blocks toward the hinge. Move the slider to the opposite end of the slide track. Secure slide track with 1/4-20 flat head phillips drive mounting screws.

Connect arm to track.

Pull side: With door closed.

Push side: With door open slightly. Rotate arm to slider and place end over stud. Push up on arm and tap gently to seat (to prevent stud from turning during assembly). Secure with 1/4-20 x 5/8" long truss (rounded) head phillips drive screw with thread lock. CAUTION: Closer arm is under spring tension and may be difficult to rotate.

- Set door stop angle. Open door to the angle you want the door to stop. With the door held at that location, slide stop with cushion block against slider. Tighten the stop position screw (large set screw) with 3/16" hex wrench (from screw pack) until secure. Release door.
- Adjust closer (see Page 5) before installing cover.
- Install Cover.

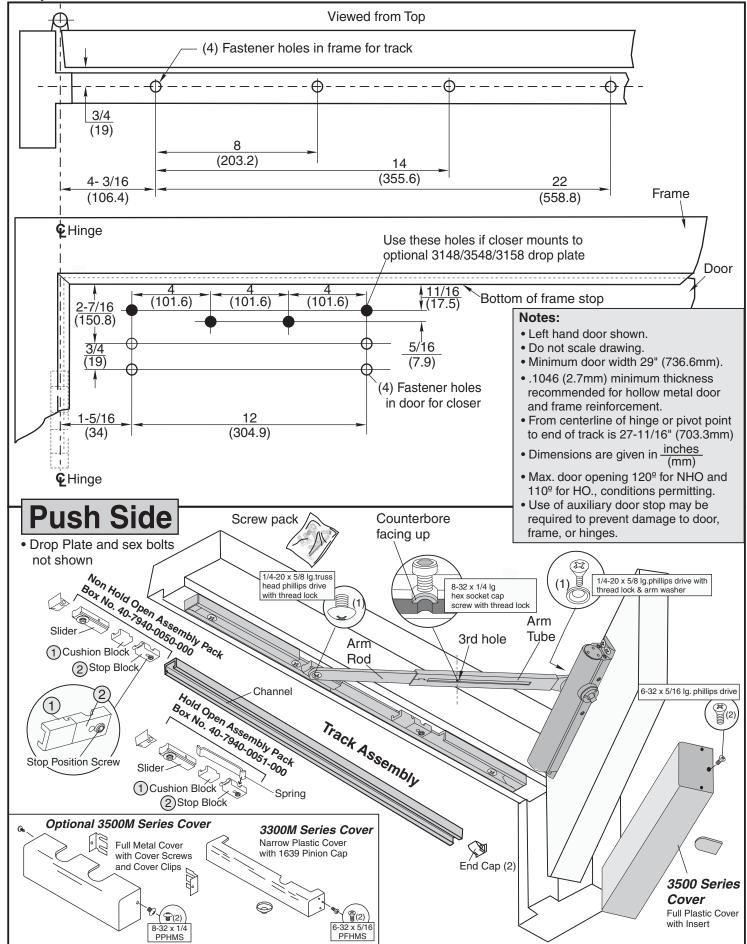
Full Cover: Slide insert into unused cover slot (see illustration on Page 2 or 4). Install cover using screws provided.

Narrow Cover: Install cover using screws provided. Thread pinion cap into pinion shaft. Do not overtighten.

Full Metal Cover: Fasten cover to mounting clips with screws provided.

Template

Push Side Installation



Closer Adjustments

Closing Power

3340/3540 & 3350/3550 Models come in three different sizes (4 through 6); each power size can be increased by 50%. Adjust as required. **See Figure 1.**

3341/3541 & 3351/3551 Models are

adjustable sizes 1 thru 6.

For proper sizing see power adjustment chart below right.

To adjust closer power, **see Figure 1**. Increase or decrease power as necessary.

Closing Cycle (see illustrations below).

Valve "L" controls door speed in Latch Range.

Valve "S" controls door speed in Sweep Range.

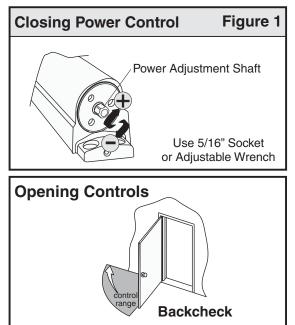
Valve "D" (Optional) controls door speed in **Delay Range.**

Use 1/8" hex-key furnished and adjust as shown in **Figure 2.**

Attention: Adjust closing speed to between 4 to 7 seconds from 90°. Use of door by handicapped, elderly or small children may require greater closing time.

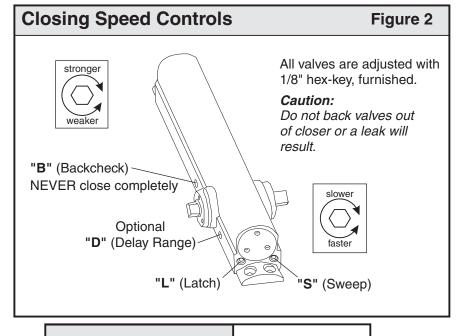
Opening Cycle (see illustration below). Valve "B" cushions (slows) door opening in the Backcheck Range.

NOTE: Never close this valve completely or damage to closer may occur.



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Power Adjustment Chart			
Door Size Inches (meters)			<i>Note:</i> Power adjustments charted are
(meters)	Interior Door	Exterior Door	recommended where possible to insure
28-32 (0.07-0.80)	10	13	proper door control. See Note on Page 1
<u>33-36</u> (0.85-0.90)	12	15	where codes may dictate reducing
(37-42 (0.95-11.05)	14	17	these recommended adjustments.
43-48 (1.10-1.20)	17	19	

NOTE: Maximum of 20 turns (360°) of Power Adjustment Shaft.

• Set closing power, as charted. Closer is shipped at power setting as circled. See Figure 1 at left for illustration of how to make these adjustments.

