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.



Installation Instructions

80-9303-2215-010 (07-08)

Rigid Regular Arm Door Closer



The closing force for Series R3000 door closers is adjustable from a size 1 to a size 6, as outlined in ANSI Standard A156.4. When these series of door closers are installed and adjusted to conform to ADA reduced opening force requirements (5 lbs max.) for interior doors, they may not have adequate closing

force to reliably close and latch the door. Power adjustments charted on Page 4 are recommended where possible, to ensure proper door control.

CAUTION

An incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. These instructions should be followed to avoid the possibility of misapplication or misadjustment.



Regular Non Hold Open Arm

This series of door closers is not available with a Hold Open Function

• With or without suffix "DL" (Delayed Action) closing

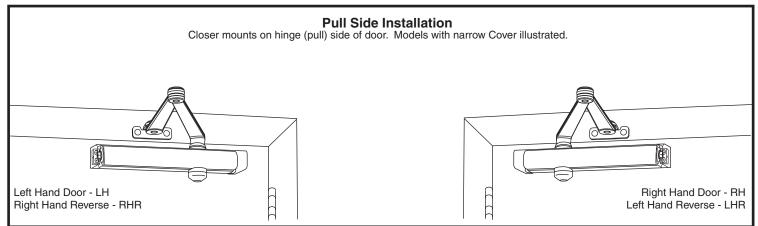
Closer Power †	Series	
Sized Closer ¹ Sizes 2, 3, 4, 5, or 6	R3300	R3500
Multi-Size Closer ² 1 thru 6	R3301	R3501

¹ Series are sized door closers with 50% power increase for each size.

² Series can be adjusted from power size 1 thru 6.

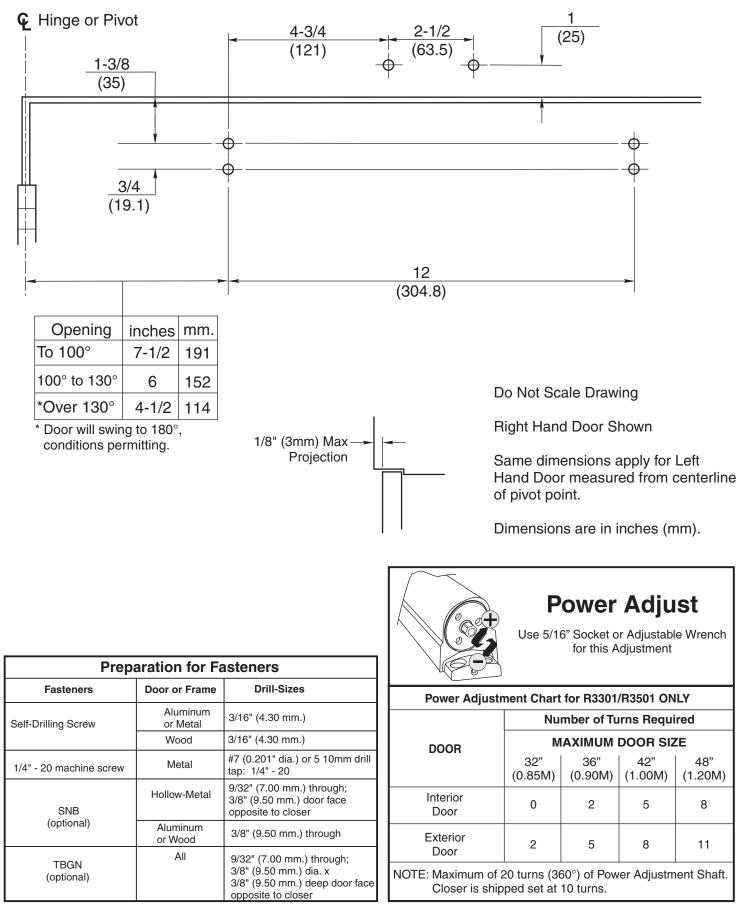
† Size 1 weakest power size, size 6 strongest.

Note: For Special Applications a separate door and frame preparation template is packed with these instructions. Use this instruction sheet for installation sequence and closer adjustments only.



- MAXIMUM HINGE SIDE FRAME REVEAL IS 1/8" (3mm).
- All components are non handed.
- It is recommended that the door, on which the door closer will be installed, be hung on ball bearing hinges. Door must swing freely.
- A separate door stop, supplied by others, is recommended to prevent damage to the door closer, closer arm, or to the door, frame or adjacent walls.
- Door and Frame must be properly reinforced, or use of special fasteners employed, to prevent the mounting screws from pulling out.
- All dimensions are given in inches with corresponding metric dimensions (millimeters) in parenthesis.
- Door closer cover projects 2-1/8" (3 mm) from door surface.

Template



- **Select angle of opening** and use dimensions shown to locate 4 holes on door for closer body and 2 holes on frame face for arm shoe.
- **Prepare door and frame** for fasteners. See "Preparation for Fasteners", Page 2.
- For R3301/R3501 MODELS ONLY: Set closing power for door size using chart on Page 2.
- Mount closer body on door. Be sure that power adjustment shaft is away from hinge.
- Place main arm on shaft, aligning 'S' mark on arm with pinion flat on pinion shaft (see illustration at right). Push down into position. Secure with 1/4-20 x 1/2 (13) 7/16" hex washer head screw.
- With door closed, rotate main arm away from hinge and align shoe with mounting holes in frame. Fasten arm shoe to frame with round head screws provided.

CAUTION: Closer arm is under spring tension and may be difficult to rotate.

• Make closer adjustments (see page 4) before installing cover.

CAUTION: Do Not Back Valves Out of Closer or a Leak Will Result.

• INSTALL COVER:

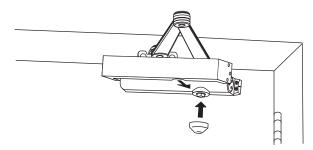
R3300 Series Only:

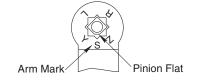
Fasten cover to closer with 2 #6-32 x 5/16 FHMS screws. Screw Pinion cap onto pinion shaft by hand or with a Phillips screw driver - DO NOT OVER TIGHTEN.

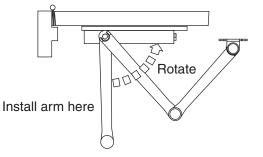
R3500 Series Only:

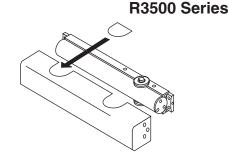
Place insert into notch in cover that will not be used. Fasten cove to closer with 2 #6-32 x 5/16 FHMS screws at each end of closer.

R3300 Series









Unit Adjustment

Closing Power Adjustment –

Using "Power Adjustment Chart" from page 2, select the correct number of turns for power adjustment shaft that corresponds with the installation. With 5/16" socket or adjustable wrench, rotate adjustment full 360° clockwise turns to desired setting. After closer has been installed and proper adjustments made to the sweep and latch, it may be necessary to readjust spring power for good closing action.

Control Valve Adjustments

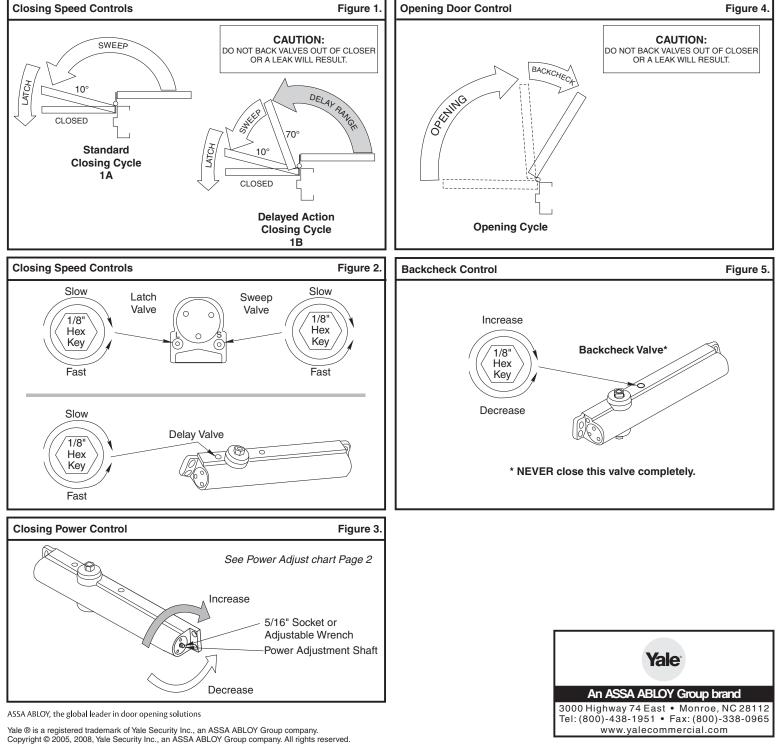
(see Figure 2)

Closing Speed Controls (Figure 1A or 1B And 2.)

- Valve "S" Controls Sweep Range.
- Valve "L" Controls Latch Range.
- Valve "D" Controls Delay Range. For optional Delayed Action models.

Opening Cycle

 "Backcheck" valve controls the strength of cushioning in Backcheck Range. NEVER close this valve completely – it is not to provide a positive stop. (see Figure 4 and Figure 5).



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