

5800 Series

Cast Iron Door Closers

introduction

Yale® 5800 series cast iron door closers are ideal for commercial applications where ease of use and installation are required at an economical price.

The 5800 series features rugged construction, adjustments for backcheck, closing and latch speed, rack and pinion operation and a variety of arm options.

features

- Adjustable spring sizes 1-6
- Non-handed
- Cast iron
- Tri-packed: regular, parallel or top jamb mounting
- Full plastic cover
- Spring power adjustment
- Hold open and heavy-duty arm configurations
- Sleeve nuts included with all models

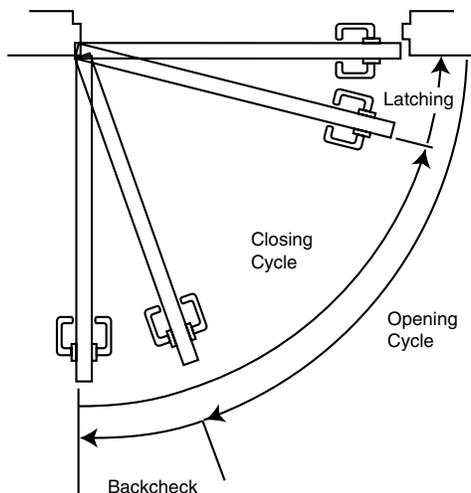
functions

- Backcheck
- Closing speed
- Latching speed
- Delayed action; specify 5801DL

certifications

- Certified for ANSI/BHMA A156.4 Grade 1
- UL and cUL listed. This includes compliance to UL10C.
- Meets requirements for Americans with Disabilities Act (ADA) and ANSI/BHMA A117.1
- 10-year limited warranty

door closing latching cycle



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finishes

ANSI/BHMA Code	Finish Description
689	Aluminum Painted
690	Dark Bronze Painted

arms

Non-Hold Open

Self-closes door every time door is opened. Auxiliary stop (by others) required except when using the Holder/Stop arm.

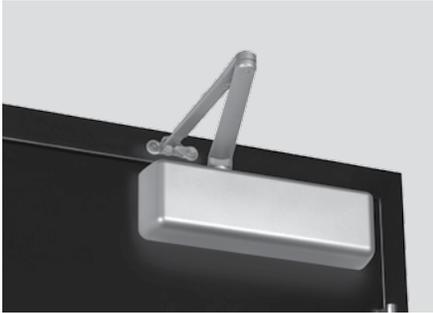
Hold Open

Achieved by means of friction or ball and detent/roller. Friction hold open has a range of 90° to 180° using template location and mechanical adjustment. Ball and detent or roller hold open is effective in a range of 85° to 110°.

Hold open arm door closers are not permitted to be used on fire door assemblies.

applications

regular arm



Non-hold open arm shown, hold open application available.

- Pull side application, double lever arm
- Sufficient frame, door and/or ceiling clearance must be considered
- Due to arm projection, application may present an aesthetics issue or be prone to vandalism

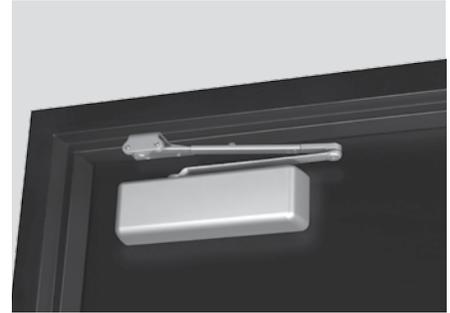
top jamb



Non-hold open arm shown, hold open application available.

- Push side application
- Sufficient frame face and/or ceiling clearance must be considered
- 2-1/4" (57mm) top rail on door is required
- Best door control for doors in exterior walls that swing out of building
- Consideration must be given to depth of reveal

parallel arm



Non-hold open arm shown, hold open application available.

- Push side application
- In the closed position, there is little or no hardware projection beyond the frame face
- Due to arm geometry, approximately 25% less power-efficient than regular arm application
- Closer and arm mounted below the frame stop

holder/stop arm



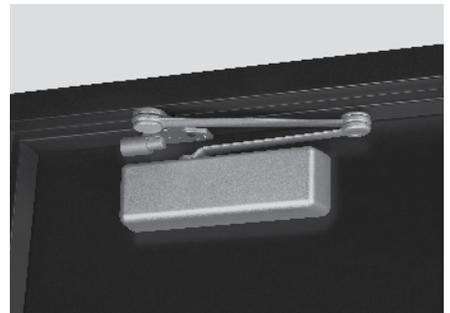
5821T Shown

- Holder/Stop arms incorporate a stop at the arm's soffit plate to dead stop the door at a predetermined degree of door swing between 85° and 110°, in 5° increments
- Prior to dead stop, backcheck slows the door speed to reduce the stop action



5821 Shown

- Holder/Stop arm is intended for use where an auxiliary door stop cannot be used and low to moderate abuse is anticipated
- Stop is removable to allow for additional applications where auxiliary door stops are installed



5831T Shown

- Holder/Stop Spring arms incorporate a buffer spring that provides greater protection at the end of the door opening cycle
- Spring is removable

model/part numbers

Model Number	Description
5801	Non-Hold Open Tri-Packed
5801DL	Non-Hold Open Tri-Packed, Delayed Action
5811	Hold Open Tri-Packed
5821	Heavy-Duty Non-Hold Open Parallel Arm with Removable Stop
5821T	Heavy-Duty Hold Open Parallel Arm with Thumbturn and Removable Stop
5831	Heavy-Duty Non-Hold Open Parallel Arm with Spring and Removable Stop
5831T	Heavy-Duty Hold Open Parallel Arm with Thumbturn, Spring and Removable Stop

Note: for heavy-duty parallel rigid arm applications, specify 5821 or 5821T, stop is removable.

See page 5 for more how to order info.

Miscellaneous Parts*	
Part Number	Description
5800COV	Full Plastic Cover
5800SP	Screw Pack
2730Kit	Door Saver Spring Stop

*Specify finish when ordering.

Cover Dimensions		
Width	Length	Projection
3-1/2" (89mm)	12-1/4" (311mm)	2-1/4" (57mm)



Optional Fasteners	
Part Number	Description
SN-134	Sleeve Nuts
TBGN134-47	Through-Bolts & Grommet Nuts

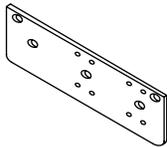
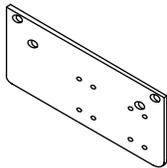
Note: Sleeve nuts furnished standard with all models.



2730kit

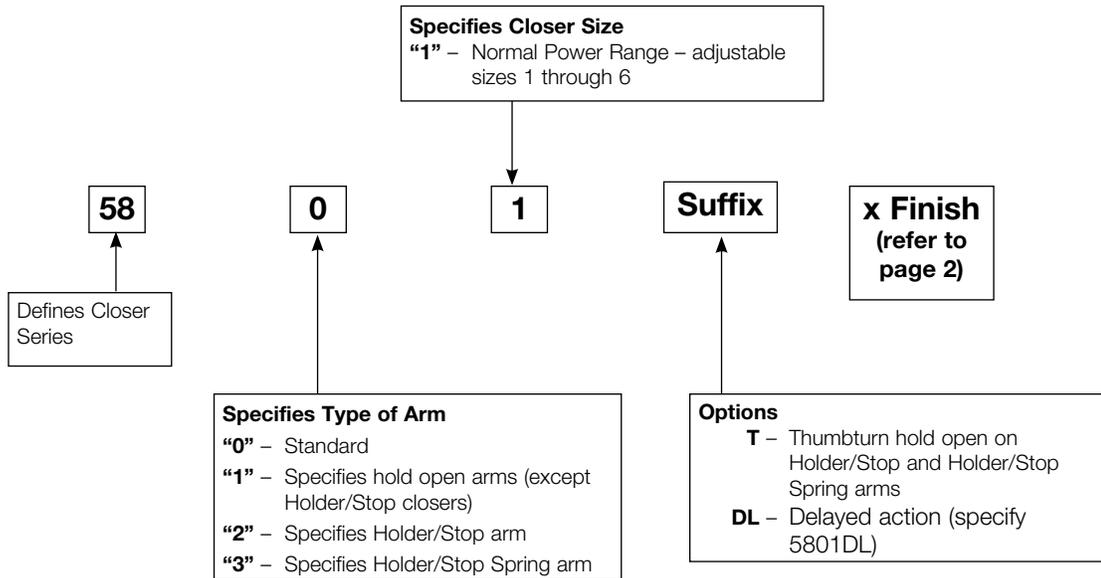
accessories

closer mounting plates

	<p>5800RDP Narrow Frame Drop Plate (regular arm): Required for hinge side mount where top rail is less than 3-3/4" (95mm). Plate requires 2" (51mm) minimum top rail.</p>
	<p>5800PDP Narrow Top Rail Drop Plate (parallel arm): Required for parallel arm mounting where top rail is less than 5-1/2" (140mm), measured from the stop. Plate requires 2" (51mm) minimum top rail.</p>

Note: All measurements are Inches/mm.

how to order



Notes:

- For heavy-duty parallel rigid arm applications, specify 5821 or 5821T, stop is removable.
- Warranty becomes void if door closer is installed on the exterior side of a door in the exterior wall of a building.
- It is strongly recommended, and required on fire door assemblies, that doors having a door closer be hung on ball bearing or anti-friction hinges or pivots; unless an alternate method is identified in the door manufacturer's listing.
- Failure to use the correct type and size fasteners may void factory warranty.
- Fasteners for fire/smoke door assemblies must conform to NFPA 80. In some applications additional fasteners may be mandated by NFPA 80 that are not shipped with standard Yale® product, such as sleeve-nuts/sex-nuts or through-bolts and grommet nuts.
- Contact factory if door weight exceeds 250 lbs.



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