



Surface Applied
Door Closers

DORMA 8900


The 8900 Series heavy-duty, 10 million cycle closers represent the latest in door control technology, combining over a quarter century of proven performance with its hydraulic control system and modern architecturally styled aesthetics.

Featuring full range spring power adjustment and backcheck, along with a narrow projection full cover and flatform style arm, the 8900 Series results in the perfect combination of durability, reliability, and appearance.

Doors and their adjacent structures are expensive and should be protected by controlled door opening. The 8900 Series hydraulic backcheck feature does exactly that, with its valve adjustment for backcheck intensity. In addition to the backcheck feature, a **backcheck positioning** adjustment for parallel arm applications provides a consistent backcheck range similar to regular and top jamb applications.

Combined, these superior features exceed most demands placed on a door closer, plus it's all backed by DORMA's 25-year warranty. The 8900 Series, with the fully adjustable spring, also meets barrier-free accessibility requirements.

Technical Details:

-  Available as 8916 closers for interior and exterior barrier-free requirements (adjustable size 1–6).
- Available as 8956 closers for exceptionally wide, tall, or heavy doors (adjustable size 5 to 6 +50% adjustment).
- Backcheck feature prevents uncontrolled opening of the door by providing an intensity adjustable hydraulic cushioning.
- Backcheck positioning valve to maintain effective backcheck range on parallel arm applications.
- Optional delayed action adjustable with a separate independent valve. Extends the closing cycle to allow unobstructed passage through the opening.
- Designed to minimize change in closing speed during severe temperature changes.
- Tamper-resistant valve adjustments, including backcheck positioning, accessible with the closer installed.
- Non-handed for regular, top jamb, and parallel arm applications.
- Impact resistant, full plastic cover standard. Full metal cover optional.
- Heavy-duty, aesthetically pleasing, and easy to adjust steel arm assembly.
- A full complement of optional arms, plates, and brackets available for special applications.
- SN1 sex nuts for 1-3/4" thick doors included standard.
- Available with optional self-drilling screws for steel door and frame applications (DPK89)
- Available with optional self-tapping screws for aluminum door and frame applications (TPK89).

Features	8916	8956
Adjustable spring size	1–6	5–6 +50%
Controlled closing with two adjustment valves	180°–15° 15°–0°	180°–15° 15°–0°
Backcheck	•	•
Backcheck positioning valve	•	•
SN1 sex nuts for 1-3/4" thick doors included	•	•
Hydraulic delayed action	◦	◦
Self-drilling screws	◦	◦
Self-tapping screws	◦	◦
Tamper-resistant TORX screws	◦	◦

• yes ◦ optional

Certification:

The DORMA 8900 Series is listed by U.L. and C.U.L. under their continuing reinspection programs. The 8900 Series is certified to the requirements of ANSI A156.4 Grade 1. Meets the requirements for UL10C and UBC 7.2 (1997) for positive pressure. The 8916 version meets the requirements of ANSI A117.1 and ADA for barrier-free accessibility. California State Fire Marshall (CSFM) approved.

Specification:

The heavy-duty 8900 Series non-handed surface applied closer with adjustable spring power and backcheck positioning adjustment. The 8900 has intensity adjustable hydraulic backcheck that will take effect at approximately 65°. The 8900 has two independent, noncritical adjustment valves to control sweep and latch closing speeds. The backcheck positioning valve maintains an effective backcheck range on parallel arm applications. The 8916 will be available with field adjustable spring power from size 1 to 6 for barrier-free requirements. The 8956 will be adjustable size 5 to 6 +50% additional closing force over the size 6.

Optional Specifications:

The 8900 Series closer will have optional delayed action. Delayed action range will be effective from maximum opening to approximately 65°. All 8916 and 8956 SPA, SPAT, and SPAK to have (ABP) Advanced Backcheck Position to advance backcheck to approximately 45°. All 8900 closers to have full metal covers. All 8900 closers to have sex nuts with machine screws for 1-3/8" door (SN2). Closers to have self-drilling screws for steel doors and frames (DPK89). Closers to have self-tapping screws for aluminum doors and frames (TPK89). Closers to have TORX security for all exposed fasteners (TX89).

REDUCED OPENING FORCE INSTALLATIONS CAUTION:

Manual door closers, including closers certified to conform to BHMA/ANSI Standard A156.4, when installed and adjusted to conform to ADA or other reduced opening force requirements, may not provide sufficient power to reliably close and latch a door.

Refer to catalog for information on ED800 Low Energy Operator to meet reduced opening force requirements without affecting closing power.

Warranty: 25 years.

Finishes:

Standard Sprayed Finishes:

Aluminum: 689.
Bronze: 691 (Dull), 690 (Statuary), or 695 (Dark Duranodic).
Gold: 696
Black: 693.

Optional Special Color Sprayed Finishes: Specify code number or submit 3 color chip samples.

Optional Plated Finishes:

Brass: 605 (Bright) or 606 (Satin).
Bronze: 611 (Bright), 612 (Satin), or 613 (Oxidized Satin Oil Rubbed).
Nickel: 618 (Bright) or 619 (Satin).
Chrome: 625 (Bright) or 626 (Satin).

Technical Drawing Symbols and Notes

- – Recommended application
- N/A – Not applicable/application not recommended
- ⚠ – Opening force 5 lb or less on interior doors; 8.5 lb or less on exterior doors where door without closer attached requires 1 lb opening force or less.

NOTE: The effective degree at which the backcheck occurs is determined by a **backcheck positioning** adjustment. Specifically designed for parallel arm applications, it advances the backcheck to an approximate range similar to regular and top jamb applications. The backcheck range(s) shown with each parallel arm technical drawing reflects an **on** status. Regular, top jamb, and track ranges reflect an **off** status. The 8900 Series closer is shipped with the backcheck positioning valve off. The (ABP) Advanced Backcheck Position option is available for SPA heavy-duty parallel arm applications to further advance backcheck for extremely abusive environments.

How to Order 8900 Series		Example:
Size	Adjustable 1–6 or 5–6 +50%	8916/8956
Application	No Designation - Regular mount P - Regular, top jamb and parallel mount J - Top jamb mount	8916/8956 AF89 8916/8956 AF89P 8916/8956 AF89J
Body Option	DA - Adjustable delayed action FC/FCSL - Full plastic cover FMC - Full metal cover (specify hand for TJ, T, and FT applications)	8916/8956DA 8916/8956 FC/FCSL 8916/8956 FMC
Arm	AF89 - Flat form non-hold open (regular mount) AF89J - Flat form non-hold open (top jamb mount) AF89P - Flat form non-hold open (parallel arm mount) FH - Friction hold open (regular mount) FHJ - Friction hold open (top jamb 4" to 8" reveal) FHP - Friction hold open (parallel arm) PH - Plunger hold open (regular or [top jamb 0" to 1-1/2" reveal]) PHP - Plunger hold open (parallel arm or [top jamb 1-1/2" to 3-1/2" reveal]) IS - Dead stop arm (regular mount) ISJ - Dead stop arm (top jamb 4" to 6" reveal) SPA - Super parallel arm SPAT - Super parallel arm, thumb turn hold open SPAK - Super parallel arm, hex key turn hold open DS - Door saver parallel arm DST - Door saver parallel arm, thumb turn hold open DSK - Door saver parallel arm, hex key turn hold open T - Slide track arm T, JT, and FT applications TH - Slide track arm T, JT, and FT applications with hold open PT89 - Stop mounted slide track arm PT89H - Stop mounted slide track arm with hold open TDE - Jamb mounted slide track arm, double egress (specify hand) TDEH - Jamb mounted slide track arm, double egress with hold open (specify hand)	8916/8956 AF89 8916/8956 AF89J 8916/8956 AF89P 8916/8956 FH 8916/8956 FHJ 8916/8956 FHP 8916/8956 PH 8916/8956 PHP 8916/8956 IS 8916/8956 ISJ 8916/8956 SPA 8916/8956 SPAT 8916/8956 SPAK 8916/8956 DS 8916/8956 DST 8916/8956 DSK 8916/8956 T 8916/8956 TH 8916/8956 PT89 8916/8956 PT89H 8916/8956 TDE L 8916/8956 TDEH L
Accessories	- Specify the number of the accessory.	8916/8956 DP89
Fastener Packs	SN1 - Sex nuts (see information on page 27) DPK89 - Self-drilling screw pack for steel doors and frames TPK89 - Self-tapping screw pack for aluminum doors and frames TX89 - Tamper-resistant TORX screws (N/A track mounts)	8916/8956 SN1 8916/8956 DPK89 8916/8956 TPK89 8916/8956 TX89
Finish	See DORMA finish information in this brochure. Example: 689 = Aluminum	8916/8956 689