

THE TS93 SYSTEM IN CONTUR DESIGN

Representing the pinnacle of surface applied closers with its unique cam and roller design.

Doors equipped with the TS93 will open much easier than doors with rack and pinion closers with track arms. The TS93 is a closer with regular arm operating efficiency and track arm aesthetics. When necessary, push side installation provides the benefits of track arm assemblies with the closer mounted to the door and the track mounted to the stop, creating a more tamper-resistant application.

Technical Details

- Available as TS9315 closers for interior and exterior barrier-free requirements (adjustable size 1–5).
- Available as TS9356 closers for greater closing force for exceptionally wide, tall, or heavy doors (size 5–6 +50% adjustment).
- Adjustable backcheck prevents uncontrolled opening of door.
- Adjustable delayed action extends the closing cycle to allow unobstructed passage through opening.
- Optional hold open, adjustable for degree of hold open and hold open force. Hold open is selectable on or off.
- SN3 sex nuts supplied standard for 1-3/4" thick door.

- Optional (CS) cushion limit stay for standard (T/PT) applications to assist slowing door in opening cycle (auxiliary stop required by others).

Certification

- The DORMA TS9315/TS9356 Series are listed by UL and CUL under their continuing reinspection programs.
- The TS9315/TS9356 Series are certified to the requirements of ANSI/ BHMA A156.4 Grade 1.
- The TS93 is UL 10C listed for positive pressure.
- The TS9315 meets the requirements of ANSI/ BHMA A117.1 and ADA for barrier-free accessibility.
- California State Fire Marshall Approved (CSFM).



Specification

The TS93 System in Contur Design hydraulic surface applied closer with steel cam, roller, and adjustable spring, incorporating a track arm assembly. The TS93 will have two separate temperature compensating, noncritical adjustment valves to control sweep and latch closing speeds. Adjustable backcheck will take effect at approximately 65°. Adjustable hydraulic delayed action will be effective from approximately 120° to

approximately 70°. The TS9315 will be available with field-adjustable spring power from size 1 to 5 for barrier-free requirements. The TS9356 will be adjustable from size 5 to 6 with 50% adjustment. Maximum opening range will be approximately 175° for (T) and 110° for (ST) pull side installations and 110° for (PT/ SPT) push side installations. Install the TS93 closer body on the door and the track arm assembly on the stop surface with the supplied bracket for push side (PT) applications. The TS93 will be non-handed.

Optional Specifications

All TS93 closers to have hold open, adjustable for degree of hold open and hold open force. All TS93 closers to have optional heavy-duty spring stop track arms to assist stopping the door in the opening cycle. Degree of stop to be field selectable.

Warranty

For details, refer to **DORMA Limited Warranty** on our website at go.dorma.com/terms.

Finish

Standard Sprayed Finishes

- Aluminum: 689
- Bronze: 691 (Dull), 690 (Statuary), or 695 (Dark Duranodic)
- Gold: 696 (Satin)
- Black: 693
- Primed: 600

Optional DORMA Custom Color or Designer Color Finishes

Contact Customer Service.

Optional Plated/ Architectural Finishes

- Brass: 605 (Bright)
- Stainless Steel: 630 (Satin)

NOTE: Closer cover, arm, and track channel are plated. Cover end caps and track end caps are painted complementary or contrasting color.

REDUCED OPENING FORCE INSTALLATIONS CAUTION

Manual door closers, including closers certified to meet ANSI/ BHMA 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 ED900 Low Energy Operator brochure to meet reduced opening force requirements without affecting closing power.

Feature	TS9315 T/TH	TS9356 T/TH	TS9315 ST/STH	TS9356 ST/STH	TS9315 PT/PTH	TS9356 PT/PTH	TS9315 SPT	TS9356 SPT
Adjustable spring size	1–5	5–6 +50%	1–5	5–6 +50%	1–5	5–6 +50%	1–5	5–6 +50%
Pull side application	•	•	•	•	-	-	-	-
Push side application	-	-	-	-	•	•	•	•
Controlled closing with two adjustable valves	175°–0° 7°–0°	175°–0° 7°–0°	110°–0° 7°–0°	110°–0° 7°–0°	110°–0° 7°–0°	110°–0° 7°–0°	110°–0° 7°–0°	110°–0° 7°–0°
Hydraulic backcheck	•	•	•	•	•	•	•	•
Hydraulic delayed action	•	•	•	•	•	•	•	•
Hold open	◦ (TH)	◦ (TH)	•	•	◦ (PTH)	◦ (PTH)	-	-
Dead stop	-	-	◦ (ST)	◦ (ST)	-	-	•	•
Dead stop with hold open	-	-	◦ (STH)	◦ (STH)	-	-	-	-

• yes - no ◦ option