


## The TS93 System in Contur Design represents the pinnacle of surface applied closers because of 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 U.L. and C.U.L. under their continuing reinspection programs. The TS9315/TS9356 Series are certified to the requirements of ANSI A156.4 Grade 1. The TS93 is compliant with UL10C and UBC 7.2 (1997) for positive pressure. The TS9315 meets the requirements of ANSI A117.1 and A.D.A. 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 pull side installations (T/ST) and 110° (PT) or 135° (SPT) for 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:** 25 years.

### Finishes:

#### Standard Sprayed Finishes:

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

#### Optional DORMA Custom Color or Designer Color Finishes:

Contact Customer Service.

#### Optional Plated Finishes<sup>1</sup>:

Brass: 605 (Bright) or 606 (Satin).  
Bronze: 612 (Satin) or 613 (Oxidized Satin Bronze Oil Rubbed).  
Chrome: 625 (Bright).  
Stainless: 630 (Satin).

<sup>1</sup>. Excludes all TS9356 devices except TS9356 PKT, which is available in 605 and 630 only.

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

### REDUCED OPENING FORCE INSTALLATIONS CAUTION:

Manual door closers, including closers certified to meet BHMA/ANSI 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 ED800 Low Energy Operator to meet reduced opening force requirements without affecting closing power.



The quality management system at the Reamstown, PA facility is certified to ISO-9001:2000.\*



\*DORMA Door Controls Inc., dba: DORMA Architectural Hardware

Features	TS9315 T	TS9356 T	TS9315 PT	TS9356 PT
Adjustable spring size	1-5	5-6 +50%	1-5	5-6 +50%
Pull side application	•	•	-	-
Push side application	-	-	•	•
Controlled closing with two adjustment valves	175°-0° 7°-0°	175°-0° 7°-0°	110°-0° 7°-0°	110°-0° 7°-0°
Hydraulic backcheck	•	•	•	•
Hydraulic delayed action	•	•	•	•
Hold open	○ (H)	○ (H)	○ (H)	○ (H)
Dead stop	○ (ST)	○ (ST)	○ (SPT)	○ (SPT)
Dead stop with hold open	○ (STH)	-	-	-

• yes    - no    ○ option

### How to Order TS93 Series

**Arm Type**

- 171°-180° Pocket Mount (TS9356 Only) — **TPKT180**
- 120°-170° Pocket Mount (TS9356 Only) — **TPKT170**
- 90°-119° Pocket Mount (TS9356 Only) — **TPKT119**
- 90° Pocket Mount, Pivots not included (TS9356 Only) — **TPKT90**
- \*Spring Stop Track Hold Open (Push) — **SPTH**
- \*Spring Stop Track Hold Open (Pull) — **STH**
- Push Side Track Hold — **PTH**
- Pull Side Track Hold — **TH**
- \*Spring Stop Track (Push) — **SPT**
- \*Spring Stop Track (Pull) — **ST**
- Push Side Track — **PT**
- Pull Side Track — **T**

**Fastener Pack**

- SN4** — Sex Nuts for 1-3/4" Door
- SN3** — Sex Nuts for 1-3/8" Door

**Options**

- CS** — Cushion Stop

**Painted**

- PNT** — Special Sprayed Finish (must specify)
- 696** — Gold
- 695** — Dark Duranodic Bronze
- 693** — Black
- 691** — Dull Bronze
- 690** — Statuary Bronze
- 689** — Aluminum
- 600** — Primed
- 605** — Bright Brass
- 606** — Satin Brass
- 612** — Satin Bronze
- 613** — Oxidized Satin Oil Rubbed Bronze
- 625** — Bright Chrome
- 630** — Satin Stainless Steel

**Model**

**TS93**    **15**    **T**    **SN3**    **689**

Size 1-5 — **15**    90° Pocket Mount, includes 3 ea. 75523 — **TPKT90P**

Size 5-6 — **56**    90° Pocket Mount, includes 3 ea. 75520 — **TPKT90PF**

**Spring Size**    **Packages** (may be used with TPKT90)

**Plated<sup>1</sup>**

1. Excludes all TS9356 devices except TS9356 PKT, which is available in 605 and 630 only.

**NOTE:** All combinations of features and options are not available for all models.

\*Available Summer 2009.