

Product lineup



Product image



TD159A(CM)



TD159A(CM)-AT

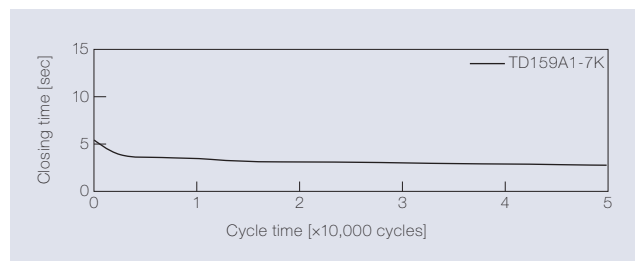
Product name	Torque [N·m] (lbf·in)	Damping direction
TD159A1-7K(CM)	0.7N·m(6.2lbf·in)	CW
TD159A1-7K(CM)-AT		

Features

- Anti-rust type with chromate treatment is also available (CM-Type)
- Larger opening angle (280 degrees)
- The most popular damper design
- Using the attachment, the form of TD154 will be the same as TD99 (AT-Type)

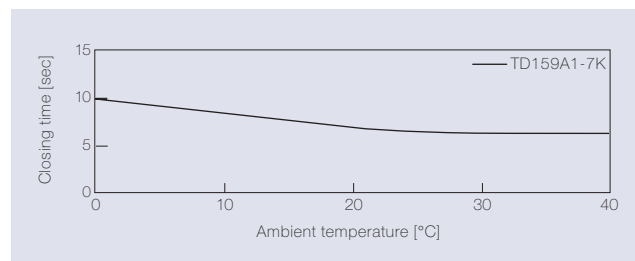
Product specifications

Durability



Torque	0.7N·m (6.2lbf·in)
Radial load	N/A
Angle range of closing time	280 to 0 deg.
Temperature	23 ± 2°C (73.4 ± 35.6°F)
Durability	50,000 cycles

Temperature characteristics



Measured according to the performance management testing method shown below after leaving in each designated ambient temperature for over one hour.

Performance management testing method

As the torque of partial rotation angle dampers is not consistent, the closing time measurement jig is used for the performance tests.

[Operation during measurement]

(Secures the housing of a rotary damper and moves its shaft)

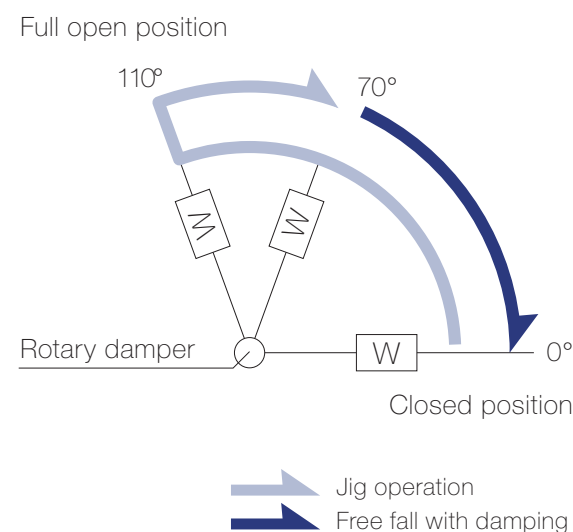
All rotary dampers are managed by the following closing time test.

Test mode [110° → 70° (Pause) → (Free fall with damping) → 0°]

* Horizontal plane: 0°

Inspection specification before shipping

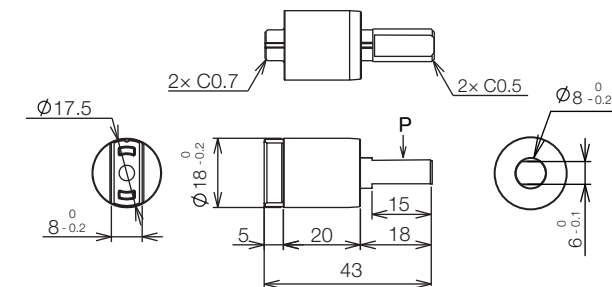
Type	Preset torque [N·m] (lbf·in)	Closing time
7K	0.7 (6.2)	3 to 12 sec



Product information

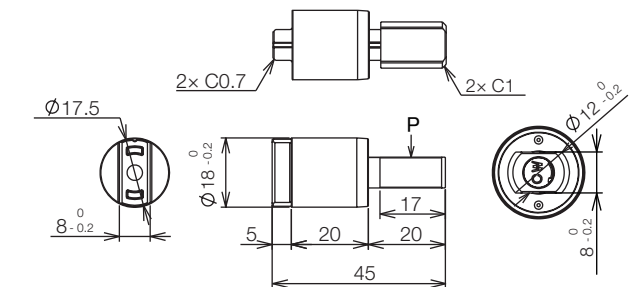
TD159A1-7K

[mm]



TD159A1-7K-AT

[mm]



* General tolerance: ±0.3

Main materials

Housing	Plastic (ZDC)
Cap	Plastic (ZDC)
Shaft	Plastic (ZDC)

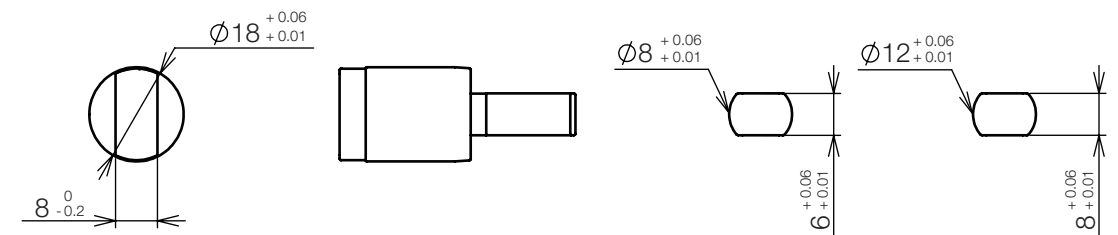
- Opening angle: 280°
- Product weight: Approx. 30 g
- Allowable radial load (P): 29.4 N

Dimensions related to mounting

TD159A1-7K

TD159A1-7K-AT

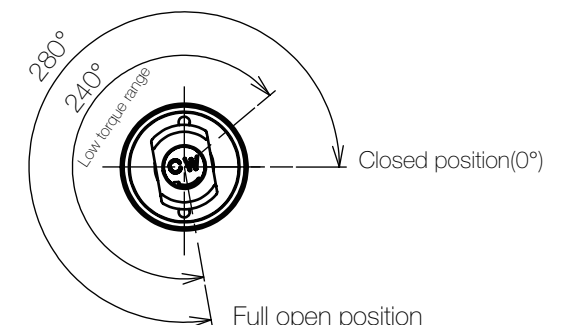
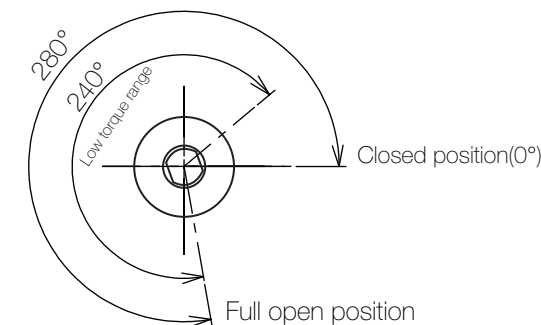
[mm]



Opening angle

TD159A

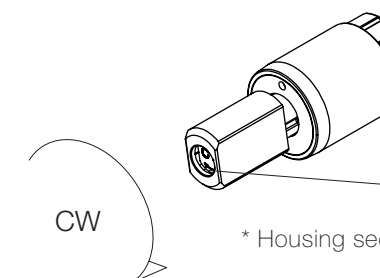
TD159A-AT



* Shaft position at the time of shipping: Closed position

Damping directions

Rotation directions of the shaft to which torque is applied



* Housing secured / Shaft rotatable

Damping direction	Engraved mark
CW	CW