# RoHS compliant

### Product lineup









TD100A

Product image

Product name	Torque [N·m] (lbf·in)	Damping direction	Cap color
TD100A1-10K	1.0 (8.85)		
TD100A1-15K	1.5 (13.28)		
TD100A1-20K	2.0 (17.70)	CW	Natural
TD100A1-25K	2.5 (22.13)		
TD100A1-30K	3.0 (26.55)		

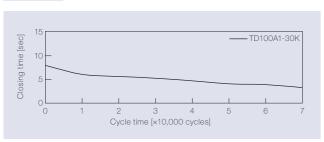
### Features

- -High torque with Ø 16 mm damper (Up to 3 N·m)
- -High rigidity achieved by the use of zinc alloy for the shaft
- -Adding an option, quick release system: SR14, makes it easy to attach/detach the rotary damper

Product name	Torque [N·m] (lbf·in)	Damping direction	Cap color
TD100B1-10K	1.0 (8.85)		
TD100B1-15K	1.5 (13.28)		
TD100B1-20K	2.0 (17.70)	CCW	Black
TD100B1-25K	2.5 (22.13)		
TD100B1-30K	3.0 (26.55)		

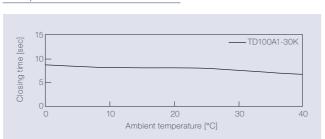
## Product specifications

### Durability



Torque	3.0 N·m (26.55 lbf·in)
Radial load	N/A
Angle range of closing time	70 to 0 deg.
Temperature	23 ± 2°C (73.4 ± 35.6°F)
Durability	70,000 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]

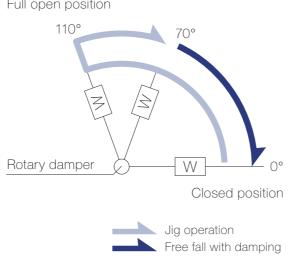
(Secures the housing of a rotary damper and moves its shaft) All rotary dampers are managed by the following closing time test.

Test mode [110°  $\rightarrow$  70° (Pause)  $\rightarrow$  (Free fall with damping)  $\rightarrow$  0°] \* Horizontal plane: 0°

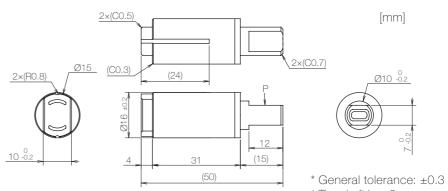
Inspection specification before shipping

Preset torque [N·m](lbf·in)	Closing time
1.0 (8.85)	
1.5 (13.28)	
2.0 (17.70)	3 to 12 sec
2.5 (22.13)	
3.0 (26.55)	
	1.0 (8.85) 1.5 (13.28) 2.0 (17.70) 2.5 (22.13)

# Full open position



### Product information



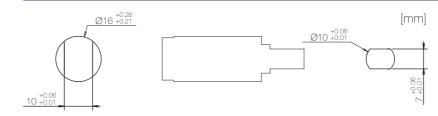
- -Opening angle: 110°
- -Product weight: Approx. 22 g
- -Allowable radial load (P): 19.6 N

#### Main materials

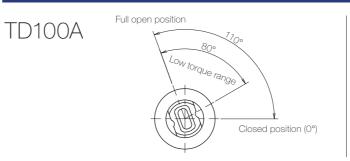
Trial Trial Criai C		
Housing	Plastic (PBT)	
Cap	Plastic (PBT)	
Shaft	Zinc alloy (ZDC)	

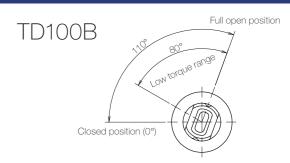
\* The shaft has 2 grooves which identify the damping direction.

## Dimensions related to mounting



### Opening angle

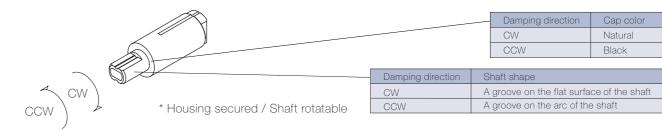




\*Shaft position at the time of shipping: Closed position

# Damping directions

Rotation directions of the shaft to which torque is applied



## Option (SR14)



SR14 is the quick release system that can be attached to and detached from the pin. It can be attached to the shaft with a single touch, and pressing the button detaches it from the pin easily. PBT plastic is used to ensure chemical resistance.



-Product weight: Approx. 6 g

### Main materials

Case	Plastic (PBT)
Button	Plastic (PBT)