

## Product lineup



Product image



TD129A



TD129B

### Features

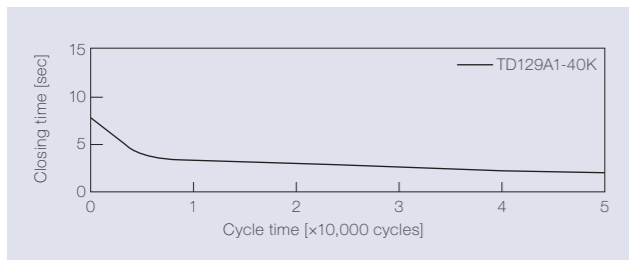
- Highest torque with  $\varnothing$  16 mm damper (Up to 4 N·m)
- High rigidity achieved by the use of zinc alloy

Product name	Torque [N·m] (lbf·in)	Damping direction
TD129A1-35K	3.5 (30.98)	CW
TD129A1-40K	4.0 (35.40)	

Product name	Torque [N·m] (lbf·in)	Damping direction
TD129B1-35K	3.5 (30.98)	CCW
TD129B1-40K	4.0 (35.40)	

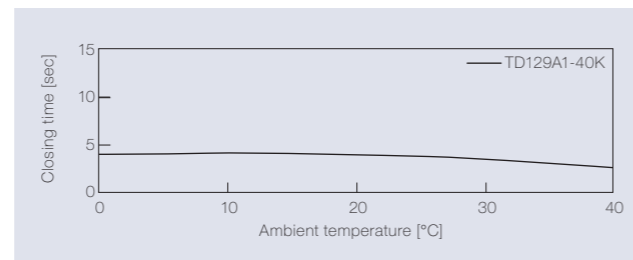
## Product specifications

### Durability



Torque	4.0 N·m (35.40 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	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.

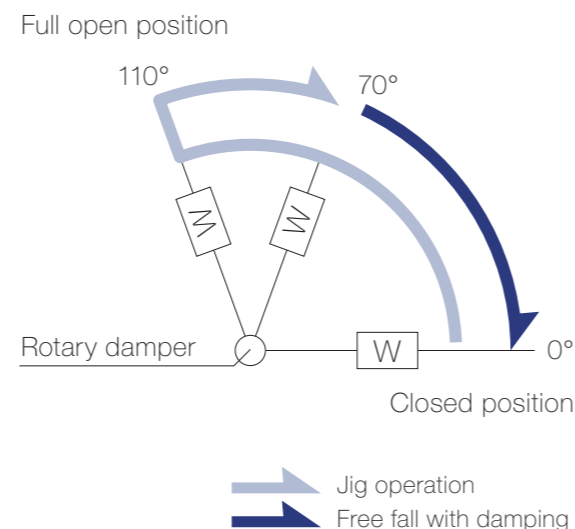
[Operation during measurement]

(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°]

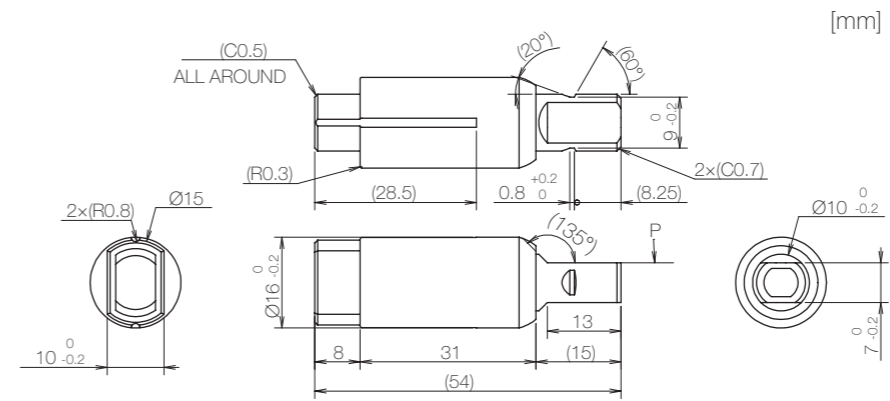
\* Horizontal plane: 0°



### Inspection specification before shipping

Type	Preset torque [N·m] (lbf·in)	Closing time
35K	3.5 (30.98)	5 to 15 sec
40K	4.0 (35.40)	3 to 15 sec

## Product information



\* General tolerance: ±0.3

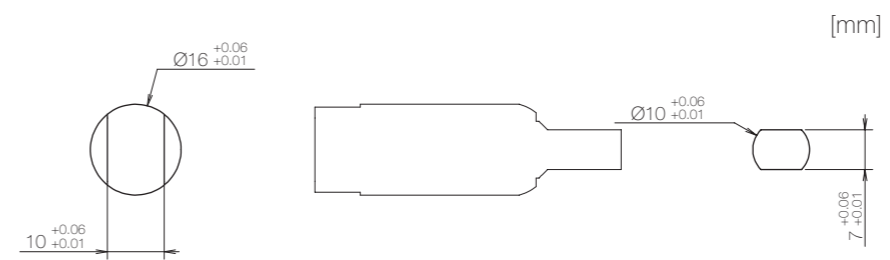
\* The shaft has 2 grooves which identify the damping direction.

- Opening angle: 110°
- Product weight: Approx. 35 g
- Allowable radial load (P): 19.6 N

### Main materials

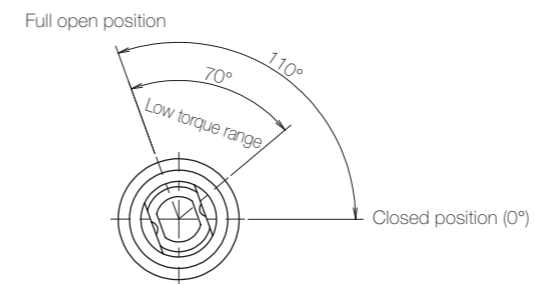
Housing	Zinc alloy (ZDC)
Cap	Plastic (PBT)
Shaft	Zinc alloy (ZDC)

## Dimensions related to mounting

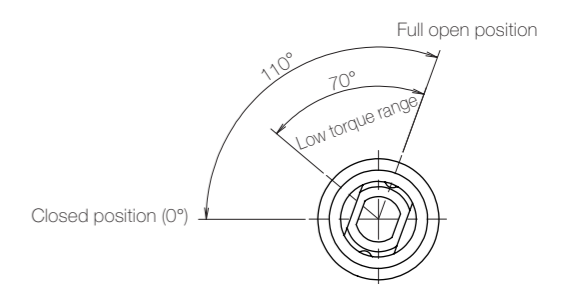


## Opening angle

### TD129A



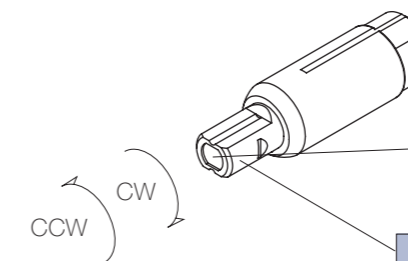
### TD129B



\* 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
CCW	CCW

Damping direction	Shaft shape
CW	Equipped with a groove on the flat surface of the shaft
CCW	Equipped with a groove on the arc of the shaft