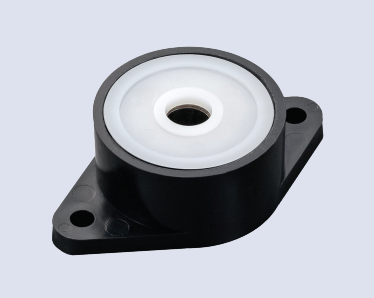
FFD-25FW-L203
Rotary/Friction Damper



SPECIFICATIONS

Model	Max Torque	Max Reverse Torque	Max Rotation Speed
FFD-25FW-L203	2±0.2 Nm (20±2 kgfcm)	Counter-clockwise	30 RPM

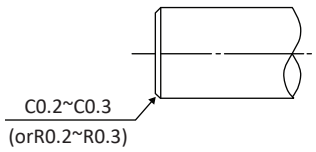
Max Cycle Rate	Operating Temperature	Weight	Body & Cap Material	Cap Color
13 cycles/min.	-10 ~ 60˚C (90%RH)	24±2g	POM	White

* Rated torque is measured at a rotation speed of 20rpm at 20-25°C

HOW TO USE THE DAMPER

1. The damper generates torque in both the clockwise and counter-clockwise directions. (A one-way clutch is built in inside the damper.)

2. Please make sure that the shaft attached to a damper has a bearing, as the damper itself is not fitted with one.

Shaft's external dimensions	Ø6 $^{0}_{-0.03}$
Surface hardness	HRC55 or higher
Quenching depth	0.5mm or higher
Surface roughness	1.0Z or lower
Chamfer end (Damper insertion side)	

3. It can be used as a free-stop for a load that is smaller than the rated torque.

4. Please refer to the recommended dimensions in the chart when creating a shaft for attachment to the damper. Using a shaft outside of the recommended dimensions may cause the shaft to slip out.

5. To insert a shaft into the damper, insert the shaft while spinning it in the opposite direction of the damper's direction of torque generation. (Do not force the shaft in from a regular direction. This may damage the built-in oneway clutch.)