



SPECIFICATIONS

| Model | Max Torque | Max Reverse Torque | Max Rotation Speed |
|---------------|------------------------------|--------------------|--------------------|
| FFD-30SS-L102 | 0.1±0.01 Nm (1±0.1 kgfcm) | Counter-clockwise | 30 RPM |

| Max Cycle Rate | Operating Temperature | Weight | Body & Cap Material | Cap Color |
|----------------|-----------------------|--------|---------------------|-----------|
| 13 cycles/min. | -10 ~ 60°C (90%RH) | 16±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.
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.)

| | |
|--|------------------------------------|
| Shaft's external dimensions | $\varnothing 10_{-0.03}^0$ |
| Surface hardness | HRC55 or higher |
| Quenching depth | 0.5mm or higher |
| Surface roughness | 1.0Z or lower |
| Chamfer end (Damper insertion side) | <p>C0.2~C0.3 (orR0.2~R0.3)</p> |