



SPECIFICATIONS

Model	Max Torque	Max Reverse Torque	Max Rotation Speed
FFD-30FS-R153	1.5±0.15 Nm (15±1.5 kgfcm)	Clockwise	30 RPM

Max Cycle	Operating	Weight	Body & Cap	Cap
Rate	Temperature		Material	Color
13 cycles/min.	-10 ~ 60°C (90%RH)	17±2g	POM	Black

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

HOW TO USE THE DAMPER

- 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	Ø10 -0.03	
Surface hardness	HRC55 or higher	
Quenching depth	0.5mm or higher	
Surface roughness	1.0Z or lower	
Chamfer end (Damper insertion side)	C0.2~C0.3 (orR0.2~R0.3)	

- 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.)