## FFD-30FS-R102 Rotary/Friction Damper

## Bansbach easylift

	SPECIFICATIONS					
	Model	Max Torque		Max Reverse Torque	Max Rotation Speed	
	FFD-30FS-R102	0.1±0.01 Nm (1±0.1 kgfcm)		Clockwise	30 RPM	
Max Cycle Rate	Operating Temperature		Weight	Body & Cap Material		Cap 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 <sup>0</sup> -0.03		
Surface hardness	HRC55 or higher		
Quenching depth	0.5mm or higher		
Surface roughness	1.0Z or lower		
Chamfer end (Damper insertion side)	<u>C0.2~C0.3</u> (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.)