



Soft Silent Safety

# FHD-A1 Series

RoHS Compliant

Hinge Damper [Uni-Directional]

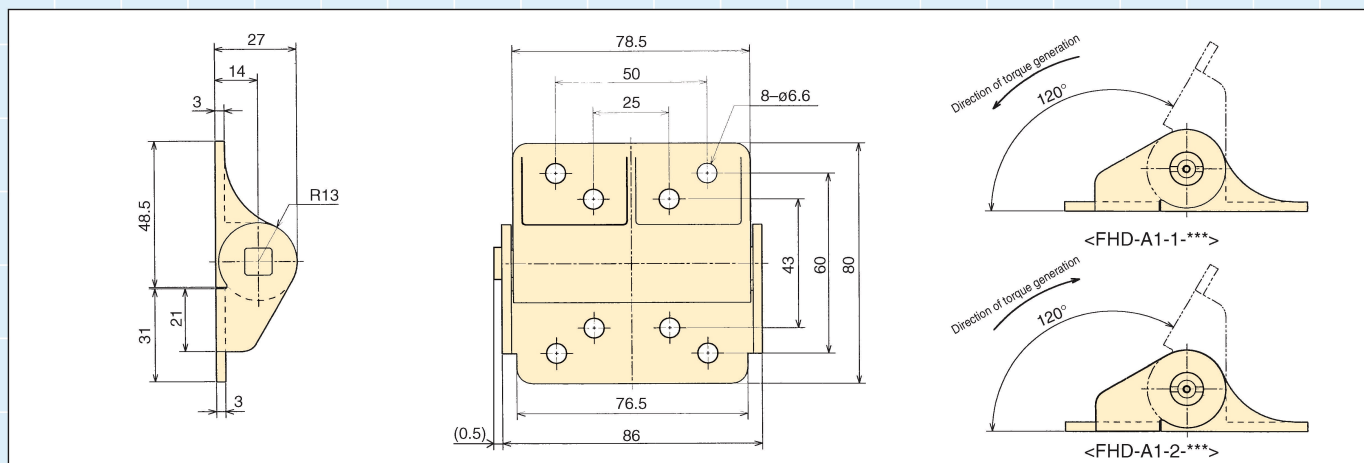
Fixed



## <Specifications>

Model	Max. torque	Max. reverse torque
FHD-A1-1-503	5 N · m (50 kgf · cm)	0.6 N · m or lower (6 kgf · cm or lower)
FHD-A1-2-503		
FHD-A1-1-104	10 N · m (100 kgf · cm)	1 N · m or lower (10 kgf · cm or lower)
FHD-A1-2-104		

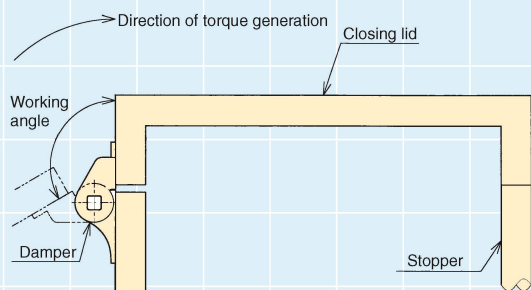
*Max. angle	120°	*Oil type	Silicone oil
*Operating temperature	-5~50°C		
*Weight	410g		
*Main body material	Zinc die-cast (ZDC) + silver coating		
*Hinge material	SUS304		



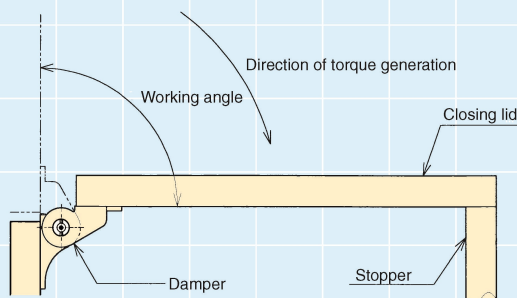
## How to Use the Damper

1. There are two ways to attach the damper, as shown below.

Attached externally(FHD-A1-1\*\*\*)



Attached internally(FHD-A1-2\*\*\*)

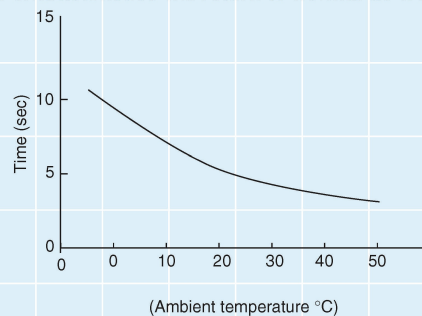


2. This damper is only for horizontal application. Please do not use this damper for vertical application.

## Damper Characteristics

1. Temperature characteristics

Damper characteristics vary according to the ambient temperature. In general, the damper characteristics become weaker as the temperature increases, and become stronger as the temperature decreases. This is because the viscosity of the oil inside the damper varies according to the temperature. When the temperature returns to normal, the damper characteristics will return to normal as well.



2. The working angle of the hinge is 120°.

Operating the hinge beyond this angle will cause damage to the hinge. Please ensure that an external stopper is in place.