FRT-G2-300-G1
Rotary Damper

Bansbach easylift®



SPECIFICATIONS

Model	Rated Torque	Max Rotation Speed	Max Cycle Rate
FRT-G2-300-G1	(3.0±0.8)X10^{-3}Nm (30±8gfcm)	50 RPM	10 cycles/ min.

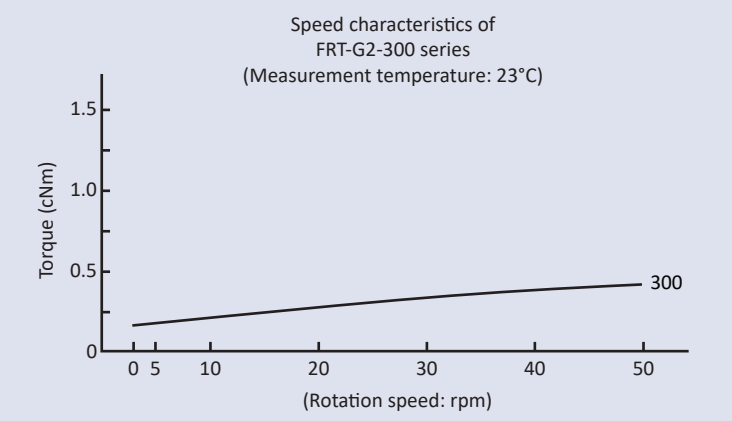
Operating Temperature	Weight	Body & Cap Material	Rotating Shaft Material	Gear Material	Oil Type
0 ~ 50˚C	0.8g	Polycarbonate	Polyacetal	Polyacetal	Silicone Oil

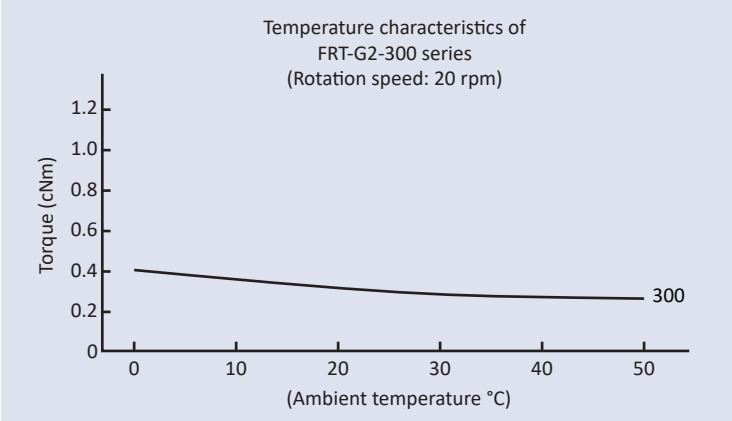
Note 1) Rated torque measured at a rotation speed of 20rpm at 23°C
Note 2) Models with gears bear G1, G2 or G3 at the end of their model numbers
Note 3) Torque can be customized by changing the oil viscosity

GEAR SPECIFICATIONS

Model	Type	Tooth Profile	Module	Pressure Angle	Number of Teeth	Pitch Circle Diameter	Addendum Modification Coefficient	Weight (damper+gear)
G1	Standard Spur Gear	Involute	0.5	20˚	14	ø7	—	0.8g (0.6g+0.2g)

DAMPING CHARACTERISTICS





■ **Speed characteristics:** A rotary damper's torque varies according to the rotation speed. In general, as shown in the graph above, the torque increases as the rotation speed increases, and the torque decreases as the rotation speed decreases. In addition, please note that the starting torque slightly differs from the rated torque.

■ **Temperature characteristics:** A rotary damper's torque varies according to the ambient temperature. In addition, as shown in the graph above, the torque decreases as the ambient temperature increases, and the torque increases as the ambient temperature decreases. This is because the viscosity of the silicone oil inside the damper varies according to the temperature. When the temperature returns to normal, the torque will return to normal as well.

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

BANSBACH EASYLIFT:

H0N0F42-100-264-535N K0N0BK2-100-280-355N D0M0ZF3-305-400-180N H0N0F42-400-847-110N
K0N0BK2-305-685-1110N D0M0ZF3-305-400-355N A0A0N40-140-349-270N B0N0F40-210-473-445N
B0N0N40-200-462-065N D0M0F55-150-362-890N D0M0ZF3-100-195-180N D0M0ZF3-100-195-355N
V0V0N56-100-230-135N D0M0N45-203-480-1555N FFD-25SS-R103 V0V0N56-100-230-225N
D3D3XB1-100-310/000N FK-1210H-S V0V0F46-090-207-090N H0N0F42-150-347-270N
H0N0F42-300-647-1110N K0N0BK2-510-1095-180N H0N0N42-410-862-445N K0N0KK2-150-460-890N
K0N0KK2-200-589-1110N B0N0N40-210-473-270N D0M0ZF3-305-400-270N W4W4-96-075-255--001/000N
A0A0N40-210-473-580N B0N0F40-200-455-225N