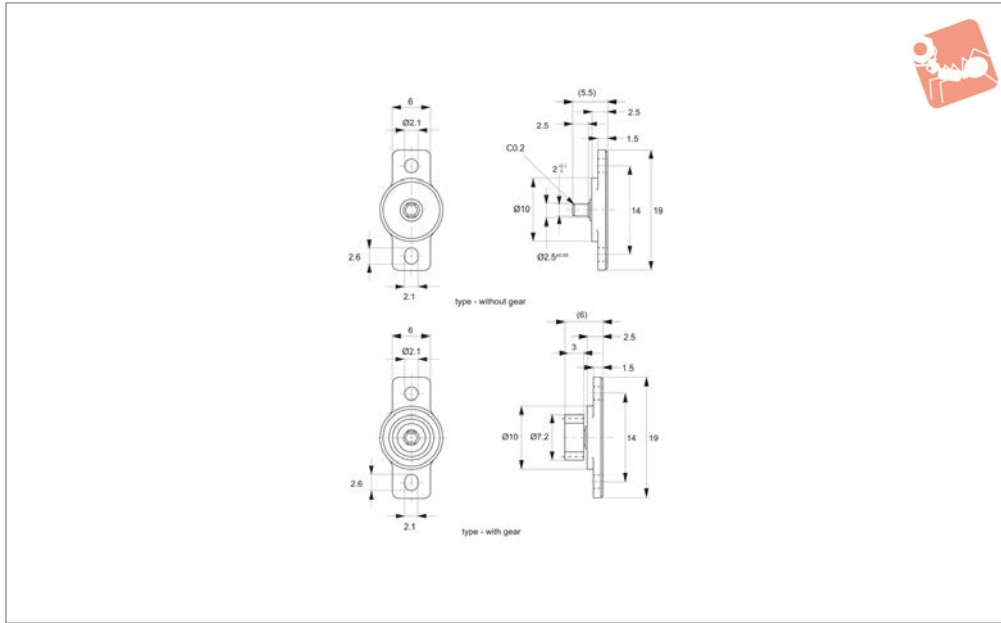


Rotary Dampers

bi-directional - continuous rotation - up to 40 gf.cm

Rotary Dampers



Q3000

ROTARY DAMPERS

Material

Body: polycarbonate
Shaft: polyacetal
Gear: polyacetal

Technical Notes

Gear Specification:
Type - Standard Spur Gear
Tooth - Involute (full)

Module - 0.6mm
Pressure Angle - 20°
Number of Teeth - 10
Pitch Circle Diameter - 6mm
Temperature range 0° to +50°.

Tips

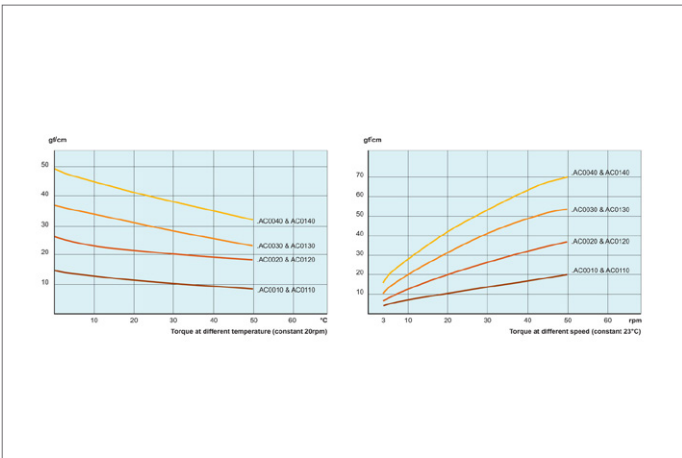
Create smooth movement and dampening in applications such as loading trays, arm

rests and storage compartments.

For graphs of torque at varying temperature and speed, see Torque Closing Speed Graphs earlier in this section.














Order No.

- Q3000.AC0010
- Q3000.AC0020
- Q3000.AC0030
- Q3000.AC0040
- Q3000.AC0110
- Q3000.AC0120
- Q3000.AC0130
- Q3000.AC0140





Product selection chart

Part no.	Damping direction	Torque gf.cm	Rotary dampers													
			Torque gf.cm													
			20	40	60	80	100	200	300	400	500	1000	1500			
	Q3000	Two way	10 - 40													
	Q3020	Two way	20 - 100													
	Q3022	Two way	50 - 150													
	Q3024	Two way	50 - 150													
	Q3026	Two way	15 - 50													
	Q3027	Two way	15 - 50													
	Q3028	Two way	15 - 50													
	Q3029	Two way	70 - 150													
	Q3031	Two way	50 - 150													
	Q3032	Two way	50 - 100													
	Q3033	Two way	50 - 150													
	Q3036	Two way	15 - 50													
	Q3040	One/two way	200 - 300													
	Q3042	Two way	100 - 400													
	Q3044	Two way	100 - 400													
	Q3060	One/two way	500 - 1500													



Rotary Dampers torque closing speed graphs

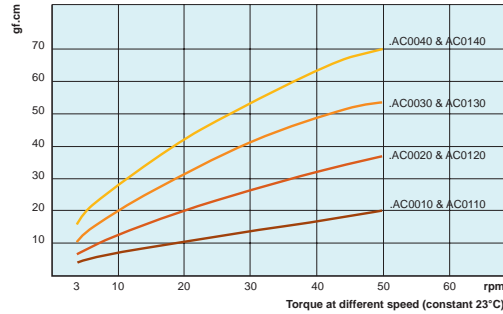
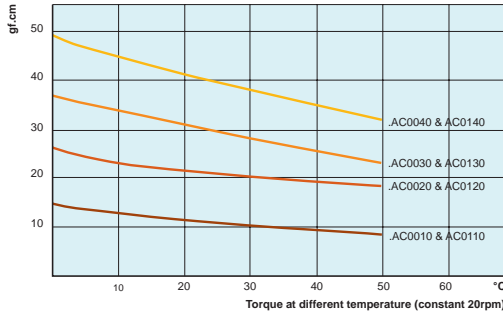
Rotary & Torque Dampers

Follow the torque calculation formula opposite and utilise the following torque closing speed graphs to ensure the selected rotary damper best suits your application.

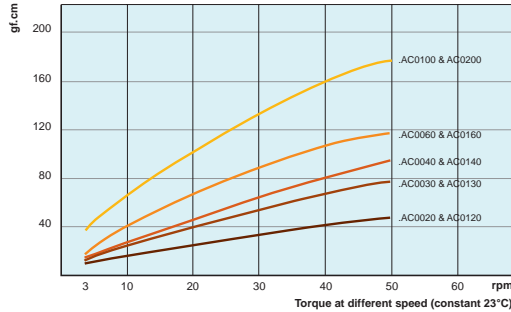
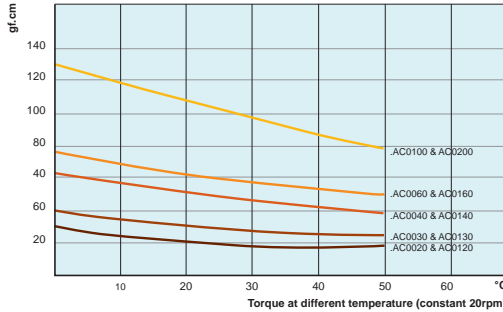
Torque closing speed graphs

Torque graphs for temperature and speed

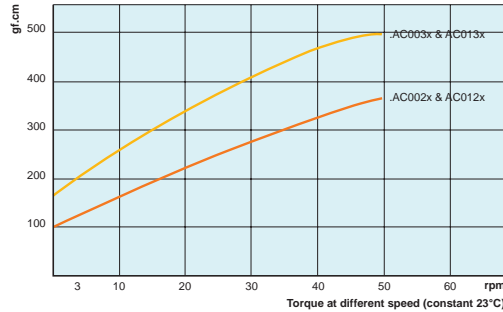
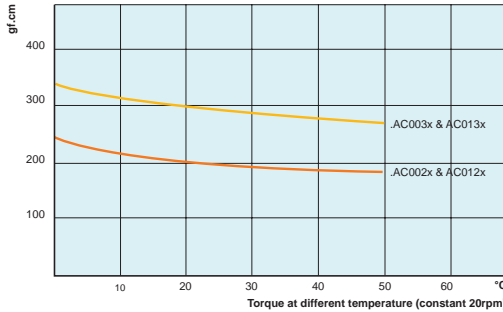
Q3000



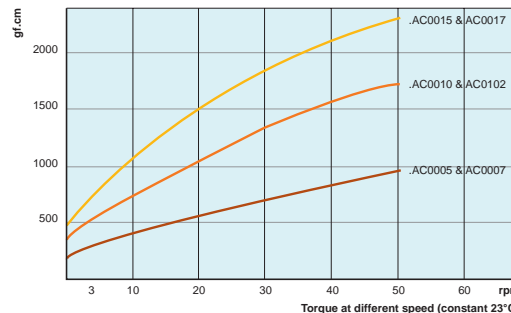
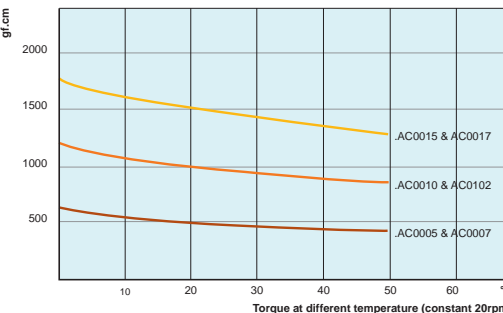
Q3020



Q3040



Q3060



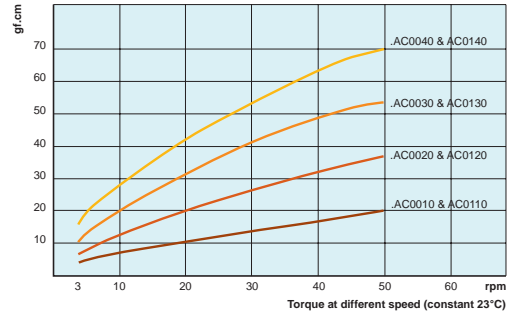
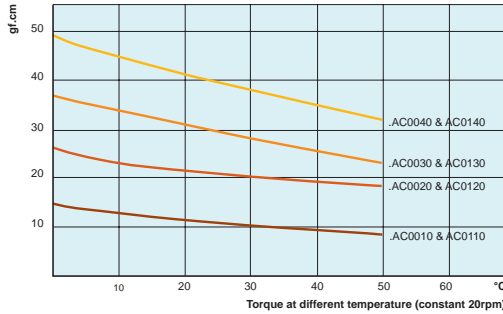


Torque closing speed graphs

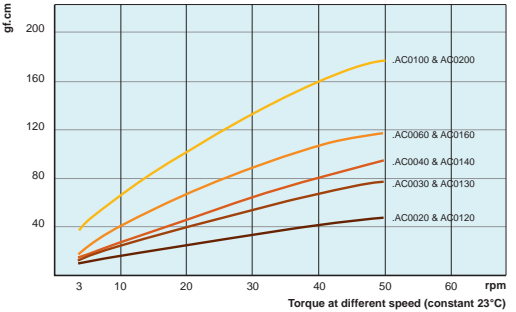
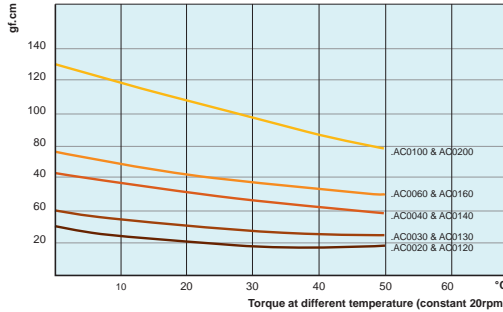
Follow the torque calculation formula opposite and utilise the following torque closing speed graphs to ensure the selected rotary damper best suits you application.

Torque graphs for temperature and speed

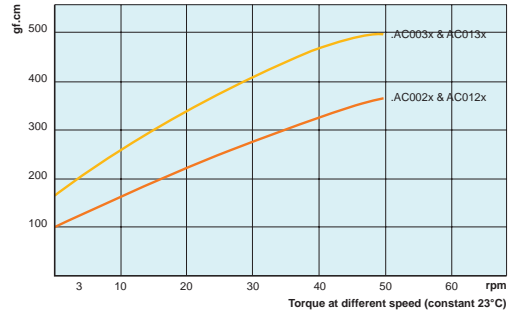
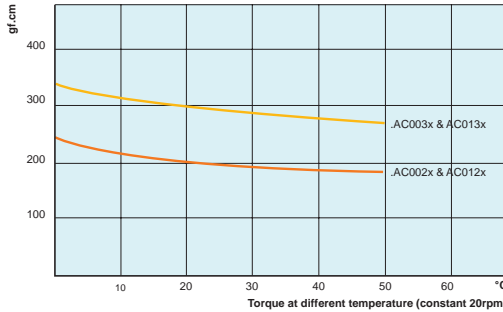
Q3000



Q3020



Q3040



Q3060

