



EC Hinge

Motion control · Damping hinge

- Soft close lids
- No adjustment required
- Long cycle life

Material and Finish

Aluminum alloy, black powder coated

Performance Details

Cycle performance: 20,000 cycles

Radial load:

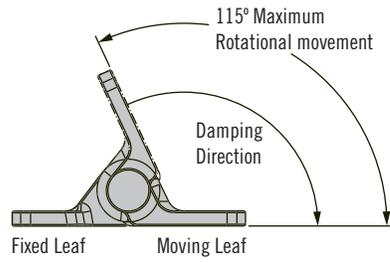
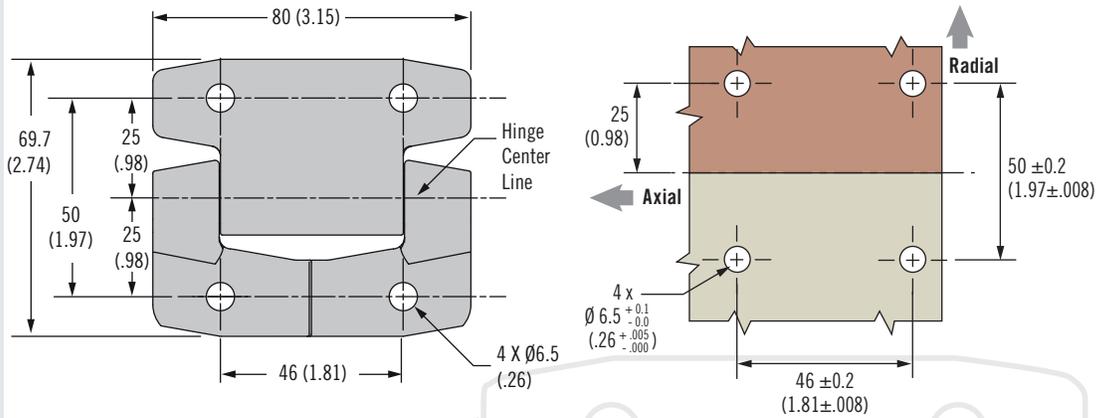
Max. static load: 1200 N

Average ultimate load: 3000 N

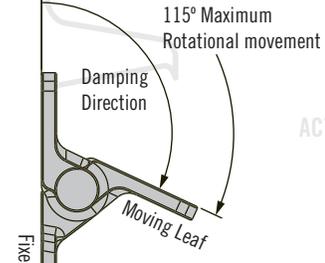
Axial load:

Max. static load: 1200 N

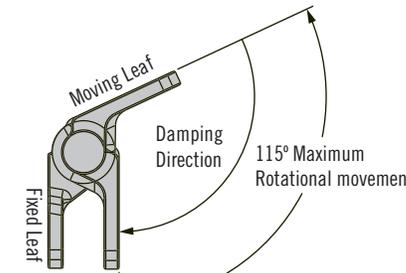
Average ultimate load: 3000 N



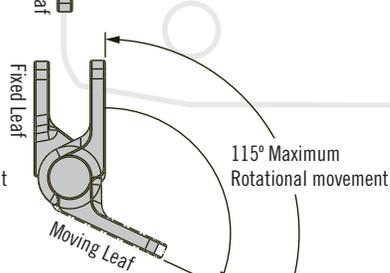
EC-10-6X0F1-XX



EC-10-6X0R1-XX



EC-10-6X0R3-XX



EC-10-6X0F3-XX

ACTUAL SIZE

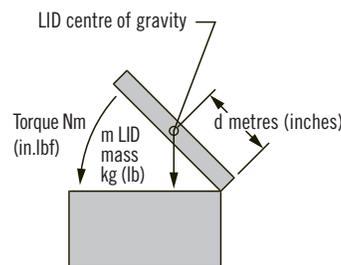
XX	Finish
50	Black
76	White

Part Number

See table

Orientations shown are for example only. For custom opening orientations please contact Southco.

Maximum damping torque is when moving leaf is in horizontal orientation.



Torque in Newton metres (Nm) =
Mass (kg) x Distance (m) x 9.8

Torque in in.lbf = Mass (lbf) x distance (in)

e.g. Torque for a lid of mass 2kg with centre of gravity 0.2m = 2 x 0.2 x 9.8 = 3.9 Nm

Torque for a lid of mass 4lbf with center of gravity 8in = 4 x 8 = 32 in.lbf

Part Number	Torque in Soft Close Direction Nm (in.lbf) at 20°C (68°F)	
	Forward	Reverse
EC-10-610F1-XX	1.0 (8.8)	-
EC-10-620F1-XX	2.0 (17.7)	-
EC-10-630F1-XX	3.0 (26.5)	-
EC-10-610R1-XX	-	1.0 (8.8)
EC-10-620R1-XX	-	2.0 (17.7)
EC-10-630R1-XX	-	3.0 (26.5)
EC-10-610F3-XX	1.0 (8.8)	-
EC-10-620F3-XX	2.0 (17.7)	-
EC-10-630F3-XX	3.0 (26.5)	-
EC-10-610R3-XX	-	1.0 (8.8)
EC-10-620R3-XX	-	2.0 (17.7)
EC-10-630R3-XX	-	3.0 (26.5)