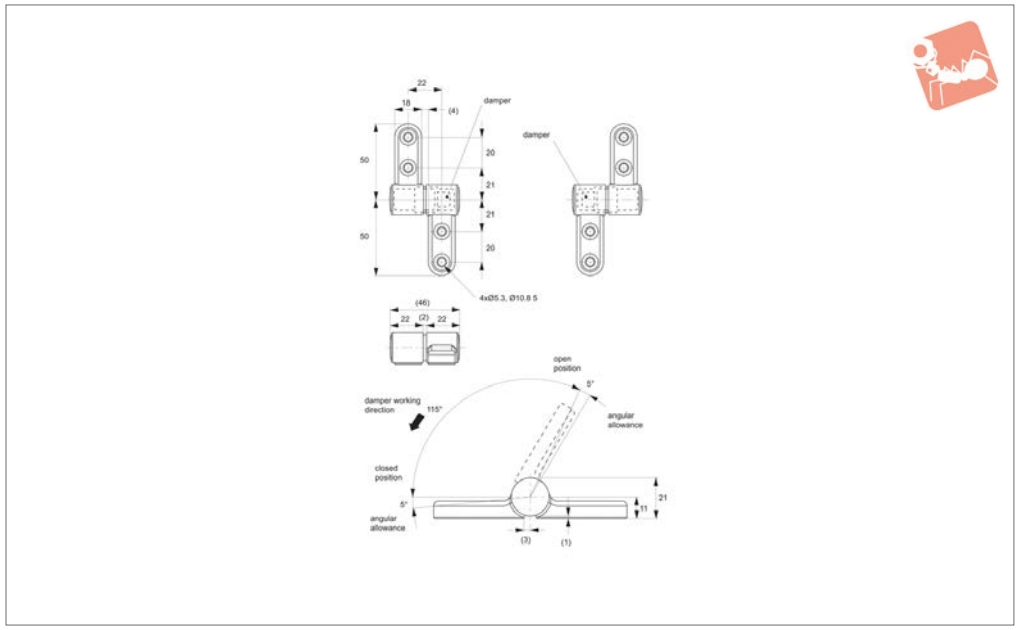
Soft Closing Hinge Set - Complete

with torque dampers - 115° operating angle



Q1010

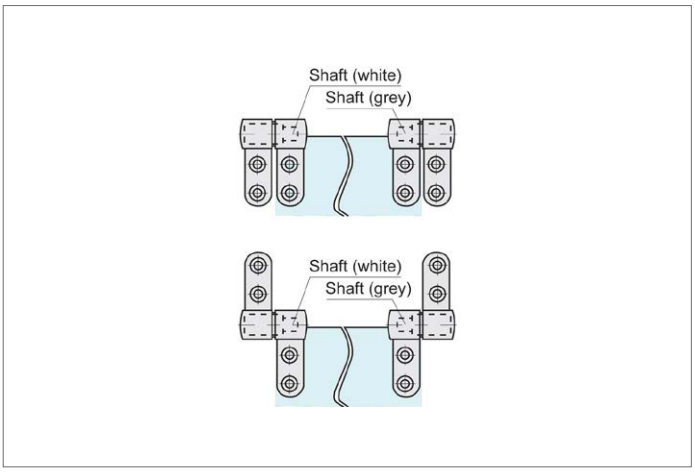
Material
Body: stainless steel, AISI 316.

Technical Notes
Soft closing damper hinge prevents lids from slamming shut. 115° operating , additional 5° dead angle at start/end position. Temperature range 0° to 40°C.

Tips
For further details of torque damper used in hinge refer to part Q0440.
Sold as a matching pair (left/right).

Important Notes
Torque calculation:
T (Kgf.cm) = W (Kg) X 0.5 x H (cm).
W (Kg) is weight of cover/lid, H (cm) is distance between fulcrum and cover/lid's opening edge.

Order No.	Contains damper	Torque/pair kgf/cm
Q1010.AC0050	1 off Q0440.AC0010 & Q0440.AC0110	30 - 51



Wixroyd Torque Dampers

with partial rotation angle

Wixroyd torque dampers offer controlled opening and closing of lids, drawers, covers and much more, they provide a wide range of solutions for a variety of applications creating smooth movement and function.

Though unnoticed in many applications, torque dampers are a vital part of many products bringing quality, safety and durability. Torque dampers provide quality movement enhancing both touch and feel.

Operating principle

Torque dampers utilise the movement of fluid forced from one chamber to another via a rotor. Dampening speed is dependent upon the viscosity of the fluid and the diameter of the fluid aperture.

Torque calculation

To calculate the torque for your application, the following measurements are necessary.

t (torque) = w x 0.5 x h

h = length from pivot point to end of lid (cm)

w = weight of the lid (Kg)

Torque force stated per product (see individual product pages), is the maximum torque to which the specified part can be exposed before the dampening force yields and hence dampening is overcome.

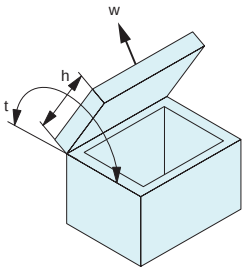
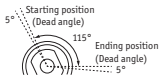
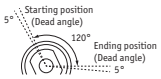
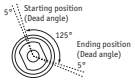
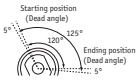
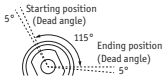
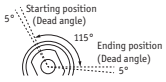
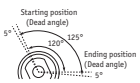
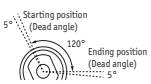
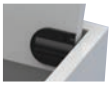
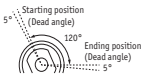


Table of torque dampers: Torque ranges

	Part no.	Torque damper range	Torque Kgf.cm
	Q0400		15 - 35
	Q0420		10 - 25
	Q0422		10 - 35
	Q0430		20 - 30
	Q0440		8 - 25
	Q0460		10 - 18
	Q0462		10 - 30
	Q1000		30 - 70
	Q1002		60 - 140
	Q1010		30 - 50
	Q1050		20 - 50
	Q1060		61 - 81

Torque Kgf.cm

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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