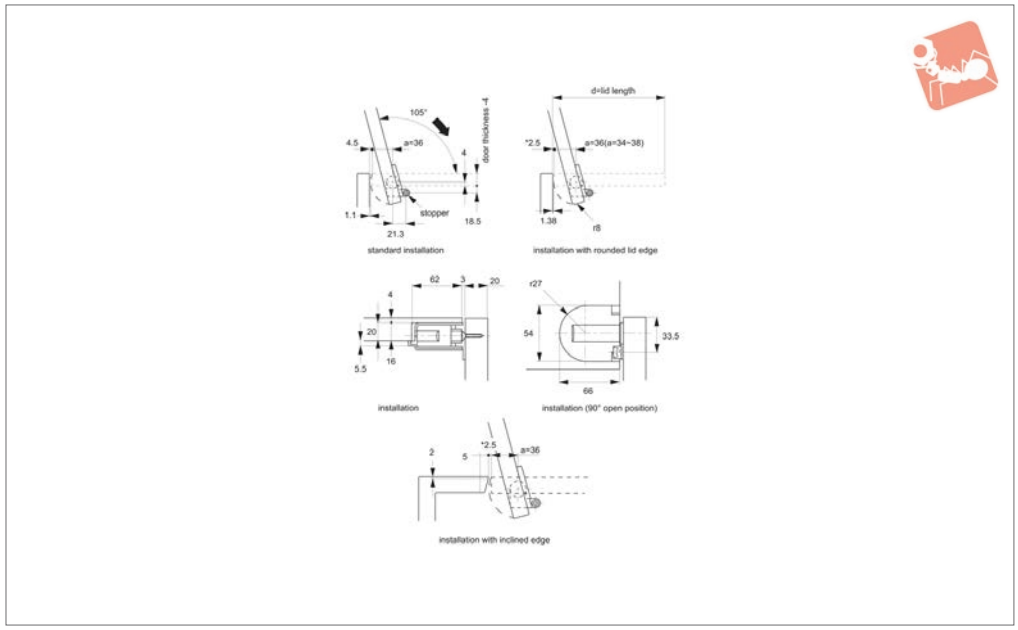
Soft Closing Hinge Set - Complete

with torque dampers - 115° operating angle



Q1060

Material

Hinge mounting plate: aluminium, black.
Hinge bracket: polyacetal, black.
Face plate: ABS plastic, black or white finish.

Technical Notes

Soft closing damper hinge prevents lids from slamming shut. 115° operating angle, additional 5° dead angle at start/ end position. Temperature range 0° to 40°C.
Please note the hinge itself is black for both models. The cover plate is either black or white.

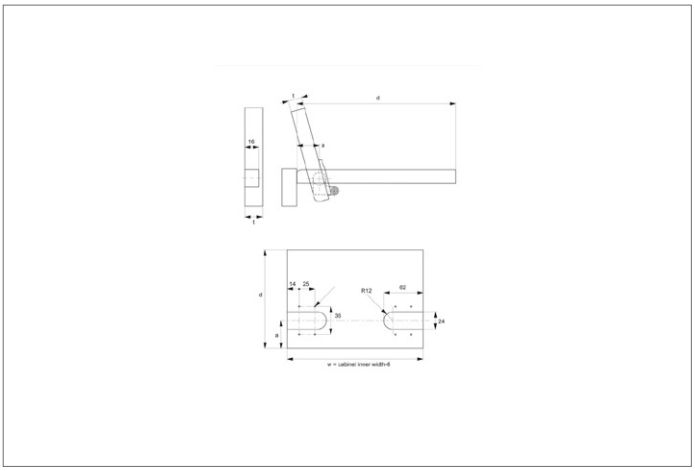
Tips

For further details of torque damper used in hinge refer to part Q0420.
Sold as 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.	Type	Contains damper	Finish	Torque/pair kgf/cm	Weight/pair g
Q1060.AC0080	Hinge	1 off Q0420.AC0010 & Q0420.AC0110	Black	61 - 81	103
Q1060.AC0180	Hinge	1 off Q0420.AC0010 & Q0420.AC0110	White	61 - 81	103



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.

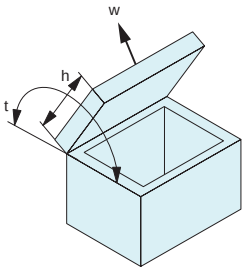
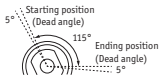
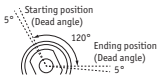
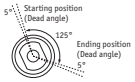
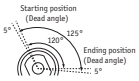
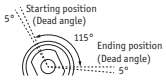
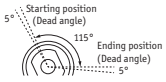
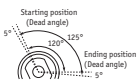
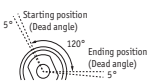
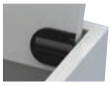
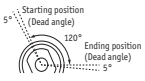


Table of torque dampers: Torque ranges

	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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