



SOFT-CLOSE DAMPENING HINGES IN ALUMINIUM

75-1-0004

- Soft-close dampening hinge: soft-close damper keeps lid from slamming shut when the hinge is moved.
- Damper working direction: shown by the arrow in the drawing.
- Operating angle: 115°.
- If the opening angle is wider than 115° (+/- 5°), mechanism is broken and damper doesn't work any longer.
- Do not force the door to close faster in damper effective direction. It can cause damage to the product.

- When the door opening angle is small, the dampers may not work smoothly.

- Torque moment (for one hinge): 2.5 to 4.5 N.m.

- Torque calculation:

Torque (N.m) = L (m) x $1/2$ x W (kg) x 9.8 with:

• L = door height in metre.

• W = door weight in kilo.

- Operating temperature: 0 to +40°C.

- Soft close of a door (vertical application): door closing system.

Put together with a spring hinge with same dimension (72-1-4231 or 72-1-4232), an automatic soft close of a door is possible without any other component.

Please ask us for more information.

A (length)	100 mm
Note	Damper working direction when opening the hinge
Material	6082 T5 alu
Weight (g)	175 g
Torque	2.5 - 4.5 N.m N.m
B (width)	82.5 mm
C	5.5 mm
D (pin diameter)	10

