



## **SOFT-CLOSE DAMPENING HINGES IN ALUMINIUM**

### **75-1-0006**

- 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.

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

