Soft-close dampening hinges in aluminium

Model: 75-1-0004



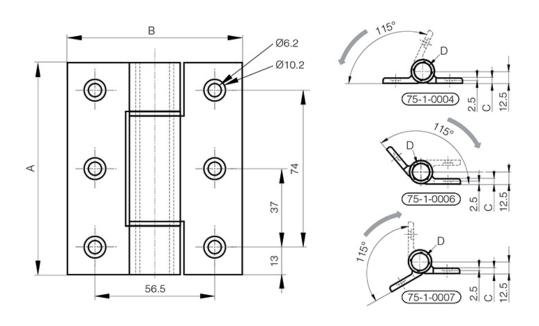
- Soft-close dampening hinge: soft-close damper keeps lid from slamming shut when the hinge is moved.
- Damper working direction: shown by the arrow in the drawing.
- Operating angle: 115°.
- If the opening angle is wider than 115° (+/- 5°), mechanism is broken and damper doesn't work any longer.
- Provide a door stopper to prevent from overturning beyond the prescribed angle range.
- 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 $(N.m) = L(m) \times 1/2 \times W(kg) \times 9.8$ 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.



| Material | 6082 T5 alu |
|------------------|---|
| Finish | clear anodised |
| A (length) | 100 |
| D (pin diameter) | 18 |
| B (width) | 82.5 |
| С | 5.5 |
| Weight (g) | 175 |
| Opening angle | 115 |
| Note | Damper working direction when opening the hinge |
| | |

| Material | aluminium |
|-----------|---------------|
| Functions | torque damper |
| Torque | 2.5 - 4.5 N.m |

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