



SOFT-CLOSE DAMPENING HINGES IN PLASTIC

54-7-3544

- Soft close dampening hinge: soft-close damper keeps lid from slamming shut.
- 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 (pair): 10 to 14 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

- 2 damper working directions available:

- part number 54-7-3543: damper working direction when opening the hinge (as shown by the arrow on the drawing).

- part number 54-7-3544: damper working direction when closing the hinge (not shown).

- Mounting examples: see drawings.

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|-------------------------|--|
| A | 115 mm |
| Note | Damper working direction when closing the hinge: hinge with red marking color (backside) |
| Material | polymer |
| Weight (g) | 184 g |
| Torque | 5 - 7 N.m N.m |
| B | 72 mm |
| C | 26.5 mm |
| D (pin diameter) | 26 |
| Finish | dark grey |

