

## Shock Absorber (Low speed L type)



## Low-speed L Type Single-orifice/Analog-adjustable **L-A2M25(40)** Series

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Small and light analog adjustable shock absorbers, body screwed type for low speed

- Energy-adjustable shock absorbers suitable for absorbing impact at low speed.
- Since their outer surfaces are threaded, they can be handled easily in the same manner as when fitting bolts.
- They absorb impact very softly.

# Specification

| Model number                             | L-A2M25N040SD |                        |
|--|---------------|------------------------|
| Energy absorption range                  | J             | 12.7 to 63.7           |
| Stroke                                   | mm            | 40                     |
| Corresponding (equivalent) weight range  | kg            | 500                    |
| (Note 1) Max. energy capacity per minute | J/min         | 637                    |
| Collision speed range                    | m/s           | 1 or less              |
| (Note 3) Max. resisting force            | N             | 4900                   |
| (Note 2) Rod returning force             | N             | 71.4                   |
| (Note 2) Rod return time                 | s             | 0.5                    |
| Max. working cycle                       | times/min     | 60                     |
| Working temperature range                | °C            | −5 to +70(No freezing) |
| Weight                                   | g             | 459(FA accessory: 129) |

(Note 1) The max. energy capacity per minute shown in the table is the value at an ambient temperature of 26.7°C. The max. energy capacity per minute  $E_2$  (J/min) at an ambient temperature  $T$  (°C) is indicated by the following formula.

$$E_2 = \frac{(82.2 - T)}{55.5} \times \left( \begin{array}{l} \text{max. energy capacity} \\ \text{per minute shown in} \\ \text{table} \end{array} \right)$$

(Note 2) Maximum value when rod is retracted a stroke of 40 mm.

(Note 3) Maximum resisting force obtained after the shock absorber is appropriately adjusted.