

## Shock Absorber (Low speed L type)



## Low-speed L Type Single-orifice/Analog-adjustable **L-A2M25(30)** Series

---

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-A2M25N030SD (Standard type)	L-A2M25S030SD-C (With cap)
Energy absorption range	J	9.81 to 49.0	
Stroke	mm	30	
Corresponding (equivalent) weight range	kg	400	
(Note 1) Max. energy capacity per minute	J/min	490	
Collision speed range	m/s	1 or less	
(Note 3) Max. resisting force	N	4900	
(Note 2) Rod returning force	N	33.1	
(Note 2) Rod return time	s	0.5	
Max. working cycle	times/min	60	
Working temperature range	℃	-5 to +70(No freezing)	
Weight	g	406 (FA accessory: 129)	436 (FA accessory: 129)
Accessories		Auxiliary stopper nut, eccentric angle adapter	

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

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

(Note 2) Maximum value when rod is retracted a stroke of 30 mm.

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