

Shock Absorber (Low speed L type)



Low-speed L Type Single-orifice/Analog-adjustable **L-A2M20 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.
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- 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-A2M20N016SD (Standard type)	L-A2M20S016SD-C (With cap)
Energy absorption range J		5.88 to 29.4	
Stroke mm		16	
Corresponding (equivalent) weight range kg		300	
(Note 1)	Max. energy capacity per minute J/min	343	
Collision speed range m/s		1 or less	
(Note 3)	Max. resisting force N	4900	
(Note 2)	Rod returning force N	18.0	
(Note 2)	Rod return time s	0.5	
Max. working cycle times/min		60	
Working temperature range °C		-5 to +70(No freezing)	
Mounting style		FA style	
Weight g	Body	180	220
	Mounting accessory	FA accessory: 110	
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°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 16 mm.

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