

Shock Absorber (High-speed F Type)



High-speed F Type Multi-orifice/Analog-adjustable **F-A2M25(40)** Series

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

- Energy-adjustable shock absorbers suitable for absorbing impact at high 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	F-A2M25N040SD	
Energy absorption range	J	12.7 to 63.7
Stroke	mm	40
Corresponding (equivalent) weight range	kg	200
(Note 1) Max. energy capacity per minute	J/min	637
Collision speed range	m/s	3 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.

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

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

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