

Shock Absorber (High-speed F Type)



High-speed F Type Multi-orifice/Analog-adjustable **F-A2M20 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-A2M20N016SD (Standard type)	F-A2M20S016SD-C (With cap)
Energy absorption range	J	5.88 to 29.4	
Stroke	mm	16	
Corresponding (equivalent) weight range	kg	120	
(Note 1) Max. energy capacity per minute	J/min	343	
Collision speed range	m/s	3 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	180	202
	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.