

Shock Absorber (Fixed Type)



Fixed Type/Single-orifice **F3M10 Series**

Small and light screw type shock absorbers

- Small-size shock absorbers with outer diameter of M10 can be handled easily in the same manner as when fitting bolts.
- They have threaded portions on the outside.
- They are small but very softly absorb impact.
- Excellent durability.

Specification

Model number		F3M10A008 (Standard type)	F3M10A008-C (With cap)	F3M10B008 (Standard type)	F3M10B008-C (With cap)
Energy absorption range		J	0.392 to 0.981		0.785 to 1.47
Stroke		mm	8		
Corresponding (equivalent) weight range		kg	7		10
(Note 1)	Max. energy capacity per minute	J/min	58.8		
Collision speed range		m/s	1 or less		
Max. resisting force		N	735		
(Note 2)	Rod returning force	N	5.88		
(Note 2)	Rod return time	s	0.5 or less		
Max. working cycle		times/min	60		
Working temperature range		°C	−5 to +70 (No freezing)		
Weight		g	13		
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.

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

(Note 2) Maximum value when rod is retracted a stroke of 8 mm.