Fixed Type/Single-orifice # F2M10 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		F2M10A005 (Standard type)	F2M10A005-C (With cap)	F2M10B005 (Standard type)	F2M10B005-C (With cap)
Energy absorption range	J	0.392 to 0.686		0.588 to 0.981	
Stroke	mm	5			
Corresponding (equivalent) weight range	kg	5		8	
[Note 1] Max. energy capacity per minute	J/min	41.2			
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			
Max. working cycle	times/min	60			
Working temperature range	℃	−5 to +70 (No freezing)			
Weight	g	10.2			
Accessory		Auxiliary stopper nut			

(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.

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

(Note 2) Maximum value when rod is retracted a stroke of 5 mm.