

SINGLE ORIFICE



- Rod cap (White) F2M8A005-C
- Rod cap (Black) F2M8B005-C

SMALL, LIGHTWEIGHT SHOCK ABSORBER OF BODY-SCREWED TYPE

- For the small type with the outer thread of M8, it provides the easy installation just like bolts.
- The mounting thread is provided on the outer surface of cylinder body through entire length.
- Small in size, but the shock absorption is very soft.
- The shock absorber has excellent durability.

PRECAUTIONS FOR HANDLING

- For mounting MINI-SOFTER, loads shall be applied at the center position of rod. The impact angle shall be kept at less than $\pm 0.05\text{rad}$ against the center position of rod.
- Do not use MINI-SOFTER as stopper.
- The auxiliary stopper nut shall be used for mounting as much as possible.
- Use at the location with the ambient temperature of $-5\sim+70^\circ\text{C}$.
- Take care to prevent the damage of piston rod that will cause the decrease of durability and the return inferiority.
- Do not use at locations where cutting oil and other liquids are adhered to piston rod.
- Nut clamp torque is 4 N·m.

SPECIFICATIONS

Code	F2M8A005 (Fundamental type)	F2M8A005-C (With cap)	F2M8B005 (Fundamental type)	F2M8B005-C (With cap)
Max. energy absorption J	0.147~0.392		0.294~0.686	
Stroke mm	5			
Max. equivalent load kg	3		5	
(※1) Max. energy capacity J/min	17.7		23.2	
Max. impact speed m/s	1 and less			
Max. resisting force value N	490		588	
(※2) Rod return force N	4.90			
(※2) Rod return time s	0.5			
Max. operating cycle cycle/min	45			
Temperature range $^\circ\text{C}$	$-5\sim+70$ (at non-freezing condition)			
Weight g	10			
Accessories	Auxiliary stopper nut			

(※1) Max. energy capacity per minute in the table is shown at the ambient temperature of 26.7°C .

Max. energy capacity per minute at the ambient temperature T ($^\circ\text{C}$) mentioned as E_2 (J/min) is calculated according to the following formula.

$$E_2 = \frac{(82.2 - T)}{55.5} \times (\text{Max. energy capacity per min. in table})$$

(※2) When stroke 5mm is pushed.

DIMENSIONAL DRAWINGS

Unit:mm

