

# F2M10 FIXED TYPE

## SINGLE ORIFICE



- Rod cap (White) F2M10A005-C
- Rod cap (Black) F2M10B005-C

## SMALL, LIGHTWEIGHT SHOCK ABSORBER OF BODY-SCREWED TYPE

- For the small type with the outer thread of M10, 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 8 N·m.

## SPECIFICATIONS

Code	F2M10A005 (Fundamental type)	F2M10A005-C (With cap)	F2M10B005 (Fundamental type)	F2M10B005-C (With cap)
Max. energy absorption	J		0.392~0.686	
Stroke	mm		5	
Max. equivalent load	kg		5	
(※1) Max. energy capacity	J/min		41.2	
Max. impact speed	m/s		1 and less	
Max. resisting force value	N		735	
(※2) Rod return force	N		5.88	
(※2) Rod return time	s		0.5	
Max. operating cycle	cycle/min		60	
Temperature range	°C		$-5\sim+70$ (at non-freezing condition)	
Weight	g		10.2	
Accessories	Auxiliary stopper nut			

(※1) Max. energy capacity per minute in the table is shown at the ambient temperature of  $26.7^\circ\text{C}$ .

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

