

Shock Absorber (Fixed Type)



Fixed Type/Single-orifice **F2M8 Series**

Small and light screw type shock absorbers

- Small-size shock absorbers with outer diameter of M8 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 | F2M8A005 (Standard type) | F2M8A005-C (With cap) | F2M8B005 (Standard type) | F2M8B005-C (With cap) |
|--|-----------------------------|--------------------------|-----------------------------|--------------------------|
| Energy absorption range | J | 0.147 to 0.392 | | 0.294 to 0.686 |
| Stroke | mm | 5 | | |
| Corresponding (equivalent) weight range | kg | 3 | | 5 |
| (Note 1) Max. energy capacity per minute | J/min | 17.7 | | 23.2 |
| Collision speed range | m/s | 1 or less | | |
| Max. resisting force | N | 490 | | 588 |
| (Note 2) Rod returning force | N | 4.90 | | |
| (Note 2) Rod return time | s | 0.5 | | |
| Max. working cycle | times/min | 45 | | |
| Working temperature range | °C | -5 to +70 (No freezing) | | |
| Weight | g | 10 | | |
| 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°C. The max. energy capacity per minute E_2 (J/min) at an ambient temperature T (°C) is indicated by the following formula.

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

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