

Shock Absorber (Fixed Type)



Fixed Type/Grooved Orifice **AS-0712 Series**

Small and light plastic shock absorbers

- Diaphragms are used for seals. High-efficiency shock absorbers with low frictional resistance of seals.
- The external threaded portion facilitates position adjustment for installation.
- The use of silicone oil maintains stable performance against changes in environmental conditions, such as temperature.
- Low-cost.

Specification

Model number		AS-0712-1	AS-0712-2
Energy absorption range	J	0.049 to 0.294	0.098 to 0.49
Stroke	mm	12	
Corresponding (equivalent) weight range	kg	1.5	3
(Note 1) Max. energy capacity per minute	J/min	14.7	
Collision speed range	m/s	1 or less	
Max. resisting force	N	245	294
(Note 2) Rod returning force	N	2.45	
(Note 2) Rod return time	s	0.5	
Max. working cycle	times/min	45	
Working temperature range	°C	-10 to +50 (No freezing)	
Weight	g	10	

(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 12 mm.