

AS-1215 FIXED TYPE

GROOVE ORIFICE



MINIATURE, LIGHTWEIGHT SHOCK ABSORBER

- Highly efficient shock absorber with the adoption of membranous oil seal and the small frictional resistance in the slipping part.
- With the adoption of silicone oil, the stabilized performance is maintained for the change of temperature and orifice characteristics.
- Energy absorption of this type is larger than that of AS-1010 type MINI-SOFTER.
- Small in size, but the shock absorption is very soft.

PRECAUTIONS FOR HANDLING

- With the impact load within the equivalent load range and the impact speed of less than 1.5m/s, it shall be used in the energy absorption range.
- For mounting MINI-SOFTER, loads shall be applied at the center position of rod. The impact angle shall be kept at less than ± 0.05 rad against the center position of rod.
- D-cut shape is provided for piston rod to prevent the rotation of piston rod.
- Nut clamp torque is 30 N·m.

SPECIFICATIONS

Code	AS-1215-1	AS-1215-2
Max. energy absorption J	2.94~7.85	6.86~11.8
Stroke mm	15	
Max. equivalent load kg	30	40
(※1)Max. energy capacity J/min	245	
Max. impact speed m/s	1.5 and less	
Max. resisting force value N	1470	1960
(※2)Rod return force N	11.8	
(※2)Rod return time s	1	
Max. operating cycle cycle/min	30	
Temperature range °C	-10~+50 (at non-freezing condition)	
Weight g	112	

(※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 (°C) mentioned as E₂ (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 15mm is pushed.

DIMENSIONAL DRAWINGS

Unit:mm

