L-A2M25(40) LOW-SPEED TYPE

SINGLE APERTURE ORIFICE/
ANALOG ADJUSTABLE TYPE

LOW-SPEED BODY-SCREWED TYPE SHOCK ABSORBER WITH SMALL, LIGHT, ANALOG ADJUSTABLE TYPE

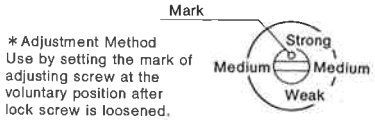
- Ideal for the shock absorption at low speed with the energy adjustable type.
- With the mounting thread provided on the outer surface of body, the handling is easy as if bolt is mounted.
- The shock absorption is very soft.

PRECAUTIONS FOR HANDLING

- For mounting MINI-SOFTER, the impact load shall be applied at the center line of rod. The impact angle shall be set at less than ±0.05rad against the center line of rod.
- Do not use MINI-SOFTER as stopper.
- Use at the location with ambient temperature of −5 ~+70 ℃.
- Do not damage the piston rod. The lowering of durability and the inferiority of return may be caused.
- Do not use the piston rod in such environment that cutting oil and other liquids may be adhered.
- Do not use over 2 MINI-SOFTERS in parallel.
- Nut clamp torque is 50N·m.

ADJUSTMENT METHOD

As shown below, turn the adjusting dial with fingers. For adjustment, set mark at strong, medium, weak of nameplate according to requirement.



＊Adjustment Method
Use by setting the mark of adjusting screw at the voluntary position after lock screw is loosened.

With the analog method adopted, the setting at the intermediate position is available. After the completion of adjustment, the lock screw shall be locked.

SPECIFICATIONS

Code	L-A2M25N040SD
Max. energy absorption J	12.7~63.7
Stroke mm	40
Equivalent weight range kg	500
(※1)Max. energy capacity J/min	637
Impact speed range m/s	1 and less
(※3)Max. resisting force value N	4900
(※2)Rod return force N	71.4
(※2)Rod return time s	0.5
Max. operating cycle cycle/min	60
Operating temp. range ℃	−5~+70 (at non-freezing condition)
Weight g	459 (FA attachment:129)

(※1) The max. energy capacity per minute in the table is shown at the ambient temperature of 26.7℃.
The max. energy capacity per minute at the ambient temperature T(℃) mentioned as E_2(J/min) is calculated according to the following formula:

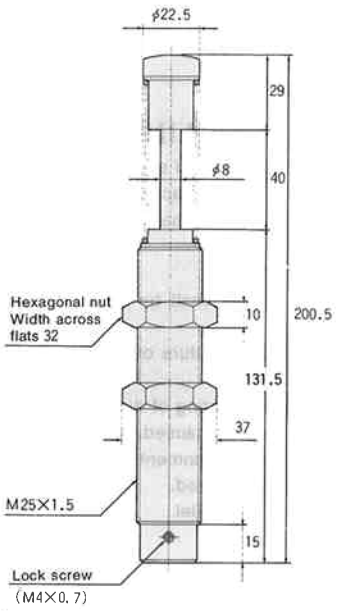
$$E_2=\frac{(82.2-T)}{55.5}\times(\text{Max. energy capacity per min. in table})$$

(※2) It indicates the maximum value when stroke 40mm is pushed.
(※3) Max. resisting force value is the value in case that appropriate adjustment has been conducted.

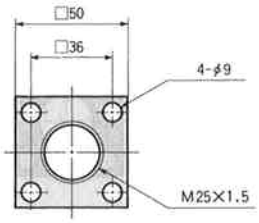
DIMENSIONAL DRAWINGS

Unit : mm

Fundamental type



FA attachment



SZZ Attachment code : FA-F3M25