

L-A2M20 LOW-SPEED TYPE

SINGLE APERTURE ORIFICE/ ANALOG ADJUSTABLE TYPE



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

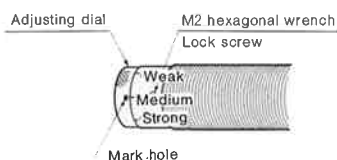
- Ideal for the shock absorption at low speed with the energy adjustable type.
- With the mounting thread provided on the outer surface of body, the handling is easy as if bolt is mounted.
- The shock absorption is very soft.

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 $\pm 0.05\text{rad}$ against the center line of rod.
- Do not use MINI-SOFTER as stopper.
- When using, the auxiliary stopper nut shall be applied as much as possible.
- Use at the location with ambient temperature of $-5 \sim +70^\circ\text{C}$.
- 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 $30\text{N}\cdot\text{m}$.

ADJUSTMENT METHOD

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



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-A2M20N016SD (Fundamental type)	L-A2M20S016SD-C (With cap)
Max. energy absorption J	5.88~29.4	
Stroke mm	16	
Equivalent weight range kg	300	
(※1) Max. energy capacity J/min	343	
Impact speed range m/s	1 and less	
(※3) Max. resisting force value N	4900	
(※2) Rod return force N	18.0	
(※2) Rod return time s	0.5	
Max. operating cycle cycle/min	60	
Operating temp. range $^\circ\text{C}$	$-5 \sim +70$ (at non-freezing condition)	
Mounting style	FA type	
Weight	Body 180	220
	Mounting attachment 9	FA attachment : 110
Accessories	Auxiliary stopper nut · Adapter for declination	

(※1) The max. energy capacity per minute in the table is shown at the ambient temperature of 26.7°C .

The max. energy capacity per minute at the ambient temperature $T(^\circ\text{C})$ mentioned as $E_2(\text{J}/\text{min})$ is calculated according to the following formula:

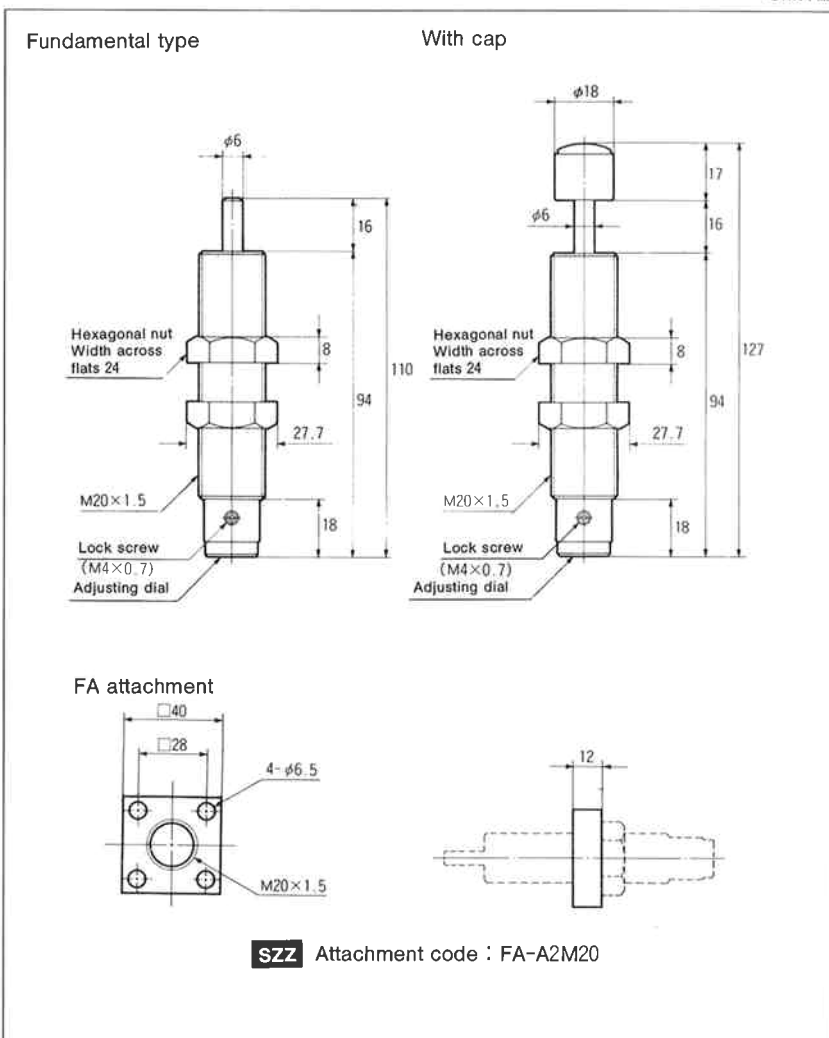
$$E_2 = \frac{(82.2 - T)}{55.5} \times (\text{Max. energy capacity per min. in table})$$

(※2) It indicates the maximum value when stroke 16mm is pushed.

(※3) Max. resisting force value is the value in case that appropriate adjustment has been conducted.

DIMENSIONAL DRAWINGS

Unit: mm



SZZ Attachment code : FA-A2M20

• For the dimensional drawings of auxiliary stopper nut and adapter for declination, refer to Accessories on Page 49.