

AS-06 ADJUSTABLE TYPE

MULTI-APERTURE ORIFICE

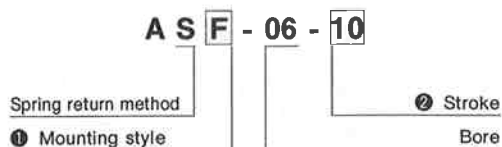


SHOCK ABSORBER WITH IMPACT ENERGY OF LESS THAN 353J. EVEN FOR THE DIVERSIFICATION OF IMPACT LOAD ENERGY, THE SIMPLE ADJUSTMENT IS AVAILABLE ONLY BY OPERATING THE ADJUSTING DIAL.

- As it is the variable orifice type, the equivalent load is in the range set for each type. And if it is in the max. energy range, the non-phase adjustment is available.
- The economical shock absorber can be selected with the smaller resisting force than the single aperture orifice by adjusting correctly.
- To cope with fluctuation of actual equivalent load, it is designed for the wide range of adjustment.

CODE

For order, specify the following code.



SYMBOL EXPLANATION

①	Mounting style	
	F	Front flange mounting
	E	Rear flange mounting
	U	Clevis mounting
②	Stroke(mm)	
	10	25.4
	24	63.5

SPECIFICATIONS

Code	AS ^E _F -06-10	ASU-06-10	AS ^E _F -06-24	ASU-06-24
Max. energy absorption J	141	97.1	353	245
Stroke mm	25.4		63.5	
Max. equivalent load kg	11~11000		11~11000	
(※1)Max. energy capacity per min. J/min	735		1330	
Impact speed range m/s	5			
(※3)Max. resisting force value N	11300	7790	11300	7870
(※2)Rod return force N	73.5		79.4	
(※2)Rod return time s	0.1		0.3	
Max. operating cycle cycle/min	30			
Temperature range °C	-5~+50 (at non-freezing condition)			
Mounting style	F-type(Front flange)		E type(Rear flange) U type(Clevis)	
Weight kg	E : 1.19 F : 1.19	U : 1.26	E : 1.62 F : 1.62	U : 1.68
Accessories	Auxiliary oil tank			

Note : (※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.

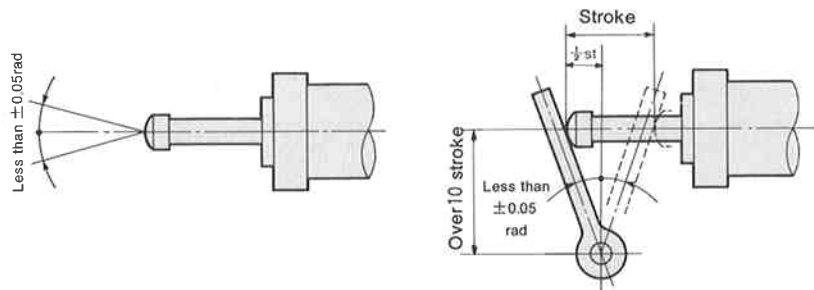
$$E_2 = \frac{(82.2 - T)}{55.5} \times (\text{Max. energy capacity per minute in table})$$

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

(※3) Max. resisting force value is the value when the appropriate adjustment is conducted.

PRECAUTIONS FOR HANDLING

- Do not start running the equipment by using a rod return motion when a clevis type is used. Also, do not use a rod return and as stopper for the shock absorber.
- When shock absorber is mounted, the impact objects shall be applied on the center line of rod. In the impact at rotation, the work shall be set at right angle with piston rod at the half of stroke of shock absorber. And the rotation center and shock absorber shall also be kept away over 10-fold of stroke for mounting.



- Do not use in such environment that cutting oil and other liquids are adhered to piston rod.
- Do not use 2 shock absorbers in parallel.
- In case of the installation of external stopper, it shall be mounted so that work stops at position 2mm before stroke end.

ADJUSTMENT METHOD

- In case of setting at the outset, the adjusting dial shall be set at the equivalent load for application.
- Turn the adjusting dial to the larger equivalent load in case that the shock at stroke end is large with the impact of moving objects. Turn the adjusting dial to the smaller equivalent load in case of the suspension on way of stroke and the large shock at the outset of impact.
- Do not turn the adjusting dial in the range of red belt of mark.
- The adjusting dial shall be used usually when locked.

WORKING FLUIDS

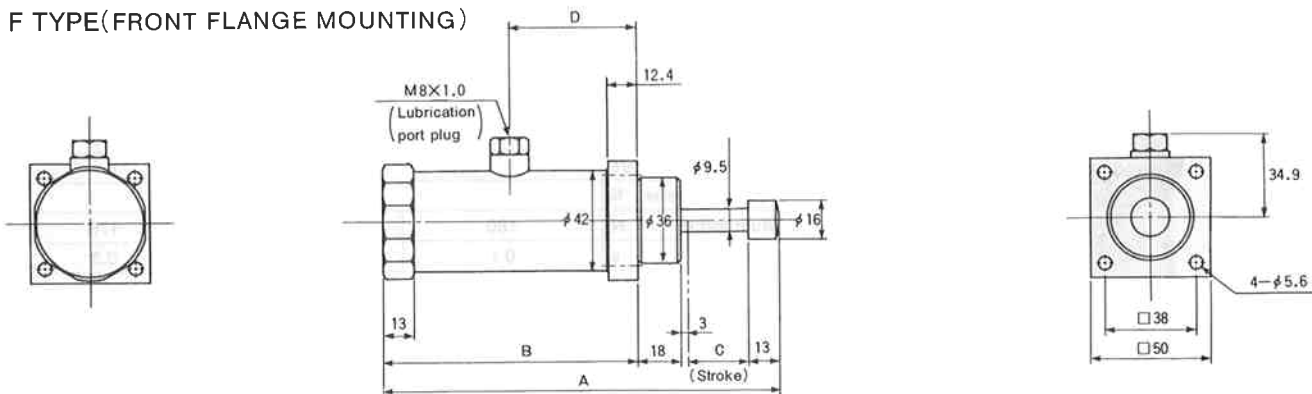
- To supply hydraulic oil use our recommended oil.

ADJUSTABLE TYPE AS-06

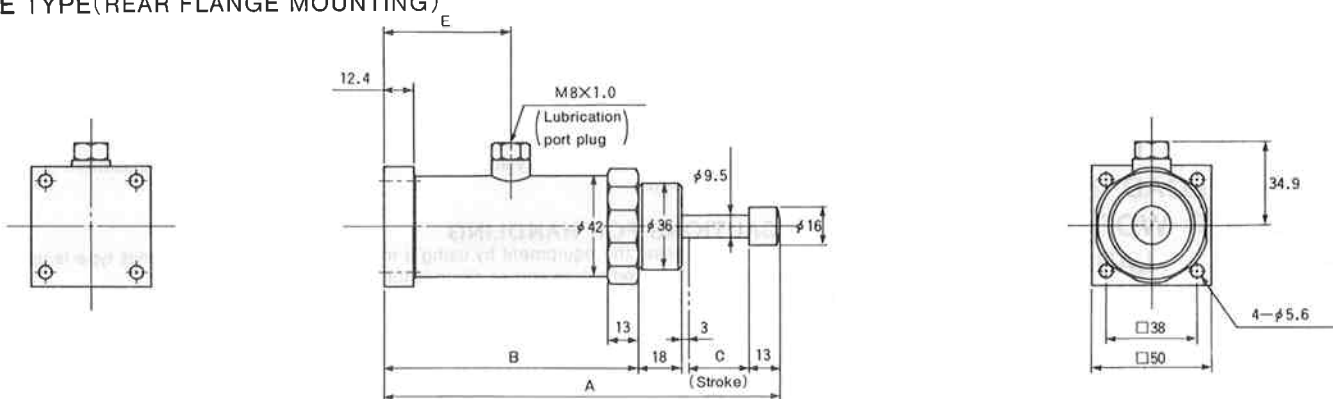
DIMENSIONAL DRAWINGS

Unit : mm

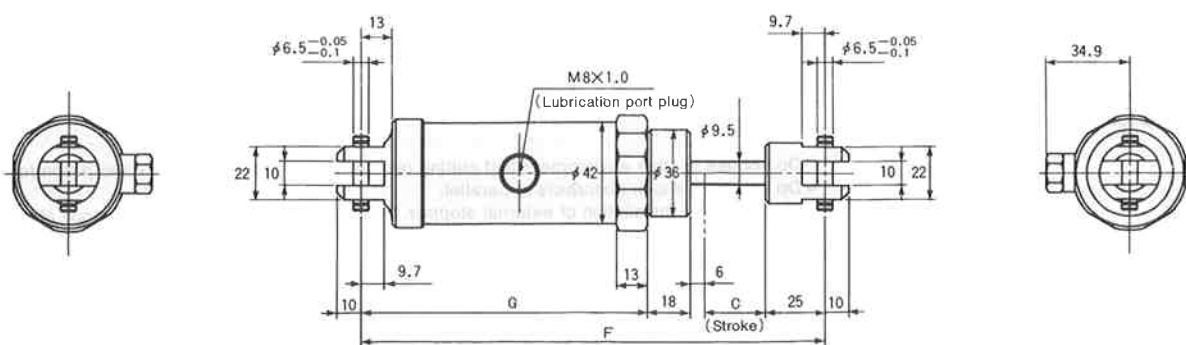
F TYPE(FRONT FLANGE MOUNTING)



E TYPE(REAR FLANGE MOUNTING)



U TYPE(CLEVIS MOUNTING)



DIMENSIONAL TABLE

Code	Stroke	Symbol	A	B	C	D	E	F	G
AS※-06-10	10		165.8	106.4	25.4	53.4	53	193.8	119.4
AS※-06-24	24		264.6	167.1	63.6	84.1	83	292.6	180.1