

SS-06 FIXED TYPE

MULTI-APERTURE ORIFICE



SPECIFICATIONS

Code	F SSE-06-10 U	F SSE-06-24 U
Max. energy absorption J	F·E type : 147 U type : 98.1	F·E type : 353 U type : 245
Stroke mm	25.4	63.5
(※1) Max. energy capacity per min. J/min	775	1360
Impact speed range m/s	0.05~7.6	
(※2) Rod return force N	109	
Temperature range °C	-5~+50 (at non-freezing condition)	
Mounting style	F type(Front flange) E type(Rear flange) U type(Clevis)	
Weight kg	F·E : 1.2 U : 1.2	F·E : 1.6 U : 1.5
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.

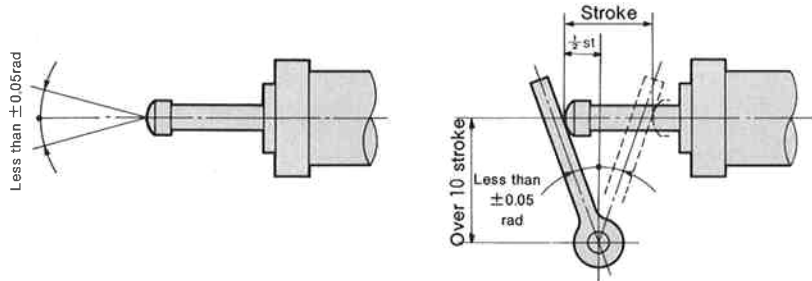
ORDER-MADE SERIES FOR DESIGNING THE IDEAL ORIFICE BASED ON THE CUSTOMER'S SPECIFICATIONS.

- It is designed so that effect of viscous change caused by temperature is small owing to the special knife edge orifice shape.
- The soft energy absorption is available as the multi-aperture orifice type is adopted.
- Shock absorber with the ideal absorption characteristics needed for the application conditions is available if it is less than the energy absorption capacity.
- Small, lightweight, low-cost for actual design.
- The rear ineffective stroke can be provided when the external stopper is mounted. (In this case, contact us.)
- Fifty per cent of the actual equivalent load against the design equivalent load can be absorbed.

$$0.5 \leq \frac{\text{Actual equivalent load}}{\text{Design equivalent load}} \leq 1$$

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.

WORKING FLUIDS

- To supply hydraulic oil use our recommended oil.

CODE

For order, specify the following code.

SS F - 06 - 10

Spring return method

① Mounting style

② Stroke

Bore

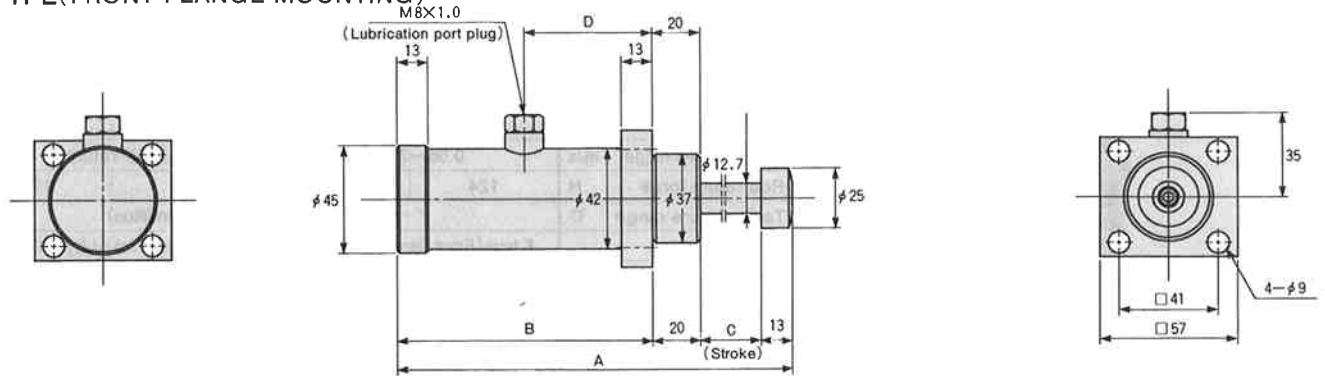
SYMBOL EXPLANATION

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

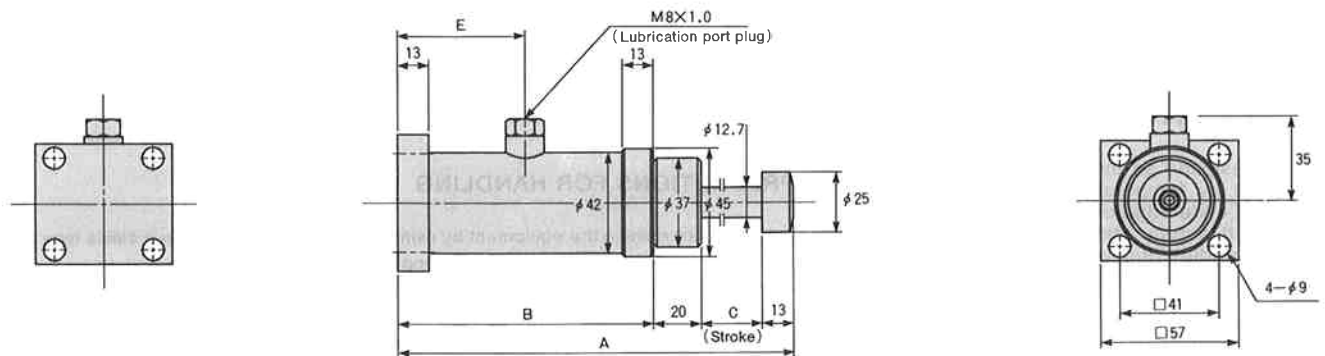
DIMENSIONAL DRAWINGS

Unit : mm

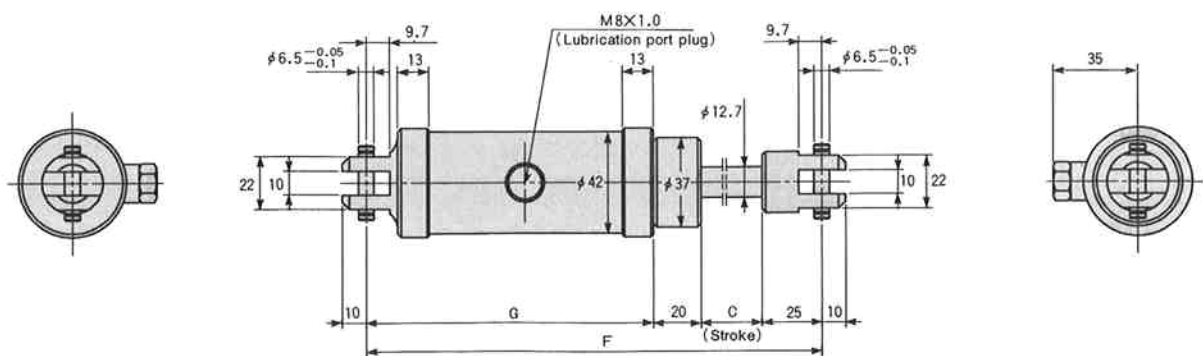
F TYPE(FRONT FLANGE MOUNTING)



E TYPE(REAR FLANGE MOUNTING)



U TYPE(CLEVIS MOUNTING)



DIMENSIONAL TABLE

Code	Stroke	Symbol	A	B	C	D	E	F	G
SS※-06-10	10		164.8	106.4	25.4	53.4	53	189.8	119.4
SS※-06-24	24		263.6	167.1	63.5	84.1	83	288.6	180.1