Fixed Type Multi-orifice # SS-06 Series

This series of products are made to order for optimum orifice design based on the customer's specifications.

- Since the shock absorbers use a knife edge orifice, they are designed so that they are less affected by viscosity change due to temperature.

- Multi-orifice type shock absorbers which can softly absorb energy.

- A shock absorber having optimum absorbing characteristics for working conditions within the specified energy absorption capacity can be manufactured.

- Small, light and cost-efficient shock absorbers designed to meet the actual conditions.

- When an external stopper is installed, an ineffective stroke can be provided at the rear. (Contact us.)

Specification

Model number	F SSE-06-10 U	F SSE-06-24 U
Max. absorbed energy J	F/E style: 147 U style: 98.1	F/E style: 353 U style: 245
Stroke mm	25.4	63.5
(Note 1) Max. energy capacity per minute J/min	775	1360
Collision speed range m/s	0.05 to 7.6	
(Note 2) Rod returning force N	109	
Working temperature range ℃	−5 to +50 (No freezing)	
Mounting style	F style (Front flange) E style (Rear flange) U style (Cap clevis)	
Weight kg	F·E:1.2 U:1.2	F·E:1.6 U:1.5
Accessory	Auxiliary oil reservoir	

(Note 1) ● The max. energy capacity per minute shown in the table is the value at an ambient temperature of 26.7℃. The max. energy capacity per minute E_2 (J/min) at an ambient temperature T (℃) is indicated by the following formula.

$$E_2 = \frac{(82.2-T)}{55.5} \times \left(\begin{array}{l} \text{max. energy capacity} \\ \text{per minute shown in} \\ \text{table} \end{array} \right)$$

● It is recommended to select a shock absorber with an allowance so that the energy absorption is about 70% (reference) or less of the maximum energy absorption. When selecting a shock absorber without an allowance, consult us.

(Note 2) ● Maximum values when rod is retracted full stroke

● The shock absorbers can absorb actual corresponding weight of up to 50% of design corresponding weight.

$$0.5 \leq \frac{\text{actual corresponding weight}}{\text{design corresponding weight}} \leq 1$$

How to Order

When placing an order, specify the model number shown below.

SS F – 06 – 10

Spring return

Mounting style
F	Front flange
E	Rear flange
U	Cap clevis

Stroke (nominal)
| 10 | 25.4mm |
| 24 | 63.5mm |