Shock Absorber （Adjustment Type）

Adjustable Type Multi-orifice **AS-11 Series**

One size larger series compared to 06 Series. Suitable for work with change in moving load energy and relatively large energy capacity

- Since they are variable orifice type shock absorbers, they can be adjusted sleeplessly on condition that the corresponding weight is within the range predetermined for each model and within the maximum energy range.

- If correctly adjusted, the shock absorbers of multi-orifice type have lower resisting force compared to single-orifice type shock absorbers. Therefore, you can select a cost-efficient shock absorber.

- The shock absorbers are designed so that they can be adjusted in a wide range to cope with fluctuation of actual corresponding weight.

Specification

Model number	F ASE-11-20 U	F ASE-11-30 U	F ASE-11-40 U
Max. energy absorption range J	677	1010	1350
Stroke mm	50.8	76.2	101.6
Corresponding (equivalent) weight range kg	22 to 22000		
(Note 1) Max. energy capacity per minute J/min	3920	4610	5360
Collision speed range m/s	7.6		
(Note 3) Max. resisting force N	27100		
(Note 2) Rod returning force N	180	159	176
(Note 2) Rod return time s	0.1	0.2	0.3
Max. working cycle times/min	30		
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:6.36 E:6.8 U:5.46	F:7.66 E:8.11 U:8.56	F:8.87 E:9.36 U:9.77
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 E2 (J/min) at an ambient temperature T (℃) is indicated by the following formula.

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

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

(Note 3) Maximum resisting force obtained after the shock absorber is appropriately adjusted.

How to Order

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

AS **F** − 11 − **20**

Spring return

Mounting style
- **F** Front flange
- **E** Rear flange
- **U** Cap clevis

Stroke (nominal)
- **20** 50.8mm
- **30** 76.2mm
- **40** 101.6mm