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Shock Absorber (Fixed Type (Air Return Type))



Fixed Type Multi-orifice SA-11 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.
- The use of the air return mechanism can delay the return of the rod.
- When an external stopper is installed, an ineffective stroke can be provided at the rear. (Contact us.)

Specification

F 0 S*E-11-40			
U			
10 F/E/H style:902 U style:490			
101.6			
3190			
0.05 to 7.6(Spring return) • 0.05 to 2.3(Air return)			
174			
-5 to +50 (No freezing)			
F style (Front flange) E style (Rear flange) H style (Foot) U style (Cap clevis)			
3.42			
Auxiliary oil reservoir, external accumulator			
1			

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

The max. energy capacity per minute E2 (J/min) at an ambient temperature T (°C) is indicated by the following formula.

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

 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≦ actual corresponding weight design corresponding weight ≤ 1

How to Order

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

