

## Shock Absorber (Fixed Type (Porous Orifice))



### Fixed Type / Multi-orifice **F8M Series**

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Adjustment free, multi-orifice-type shock absorber

- Orifice adjustment is unnecessary.
- They can stop any impact load softly according to its weight.
- The impact noise is reduced by the urethane cap.
- The body of Mini-softer can be used as a stopper.
- More than one absorber of this type can be used in parallel for one impact load.
- Thread diameter is M30, M36.

# Specification

Unit: mm

Model		F8M30N035SD-1	F8M30N035SD-3	F8M36N050SD-1	F8M36N050SD-3
Max. absorbed energy	J	196		392	
Stroke	mm	35		50	
Impact load weight range	kg	1560	173	3137	306
(Note 1) Max. energy capacity per minute	J/min	1176		2352	
Collision speed range	m/s	0.3 to 1	0.3 to 3	0.3 to 1	0.3 to 3
Max. resisting force	N	14700		21110	
(Note 2) Rod returning force	N	47.1		68.6	
(Note 2) Rod returning time	s	1 or less		1 or less	
Max. working cycle	times/min	30		30	
Working temperature range	°C	-5 to + 70		-5 to + 70	
Weight	kg	0.68 (including 2 hex. nuts)		1.26 (including 2 hex. nuts)	

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

$$E2 = \frac{(82.2 - T)}{55} \times (\text{Max. energy capacity per minute})$$

(Note 2) Maximum value when rod is fully retracted.

# How to Order

When placing an order, specify the model number shown below

