

ABSORBER/TMSFIXA CAD/DATA is available. 

Small and light screw type shock absorbers

- Small-size shock absorbers with outer diameter of M12 can be handled easily in the same manner as when fitting bolts.
- They have threaded portions on the outside.
- They are small but very softly absorb impact.
- Excellent durability.



- Rod cap (white) F3M12A010-C
- Rod cap (black) F3M12B010-C

Specifications

Model number		F3M12A010 (Standard type)	F3M12A010-C (With cap)	F3M12B010 (Standard type)	F3M12B010-C (With cap)	
Energy absorption range		J	0.785 to 1.96		0.981 to 2.45	
Stroke		mm	10			
Corresponding (equivalent) weight range		kg	15		30	
Note 1)	Max. energy capacity per minute	J/min	98.1			
	Collision speed range	m/s	1 or less			
Max. resisting force		N	1470			
Note 2)	Rod returning force	N	9.81			
	Rod return time	s	0.5			
Max. working cycle		times/min	60			
Working temperature range		°C	-5 to +70 (No freezing)			
Weight		g	23	26	23	26
Accessories		Auxiliary stopper nut, eccentric angle adapter				

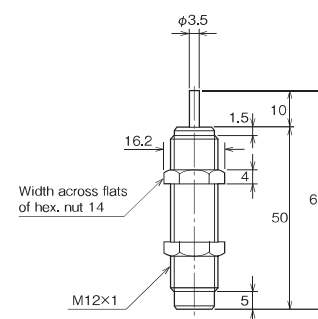
(Note 1) The max. energy capacity per minute shown in the table is the value at an ambient temperature of 26.7°C. The max. energy capacity per minute E_2 (J/min) at an ambient temperature T (°C) is indicated by the following formula.

$$E_2 = \frac{(82.2 - T)}{55.5} \times \left(\frac{\text{max. energy capacity per minute shown in table}}{1} \right)$$

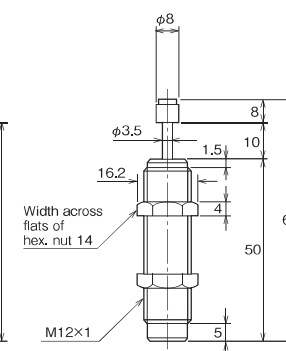
(Note 2) Maximum value when rod is retracted a stroke of 10 mm.

Unit: mm

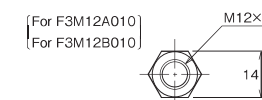
Standard type



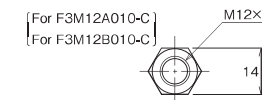
With cap



Auxiliary stopper nut **SZZ**



Model number: SN-F3M12



Model number: SN-F3M12-C

- For the dimensional drawing of the eccentric angle adapter, see the Accessories on page EG80.

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Small and light shock absorbers

- Diaphragms are used for seals. High-efficiency shock absorbers with low frictional resistance of seals.
- The use of silicone oil maintains stable performance against changes in environmental conditions, such as temperature.
- They are small but very softly absorb impact.



Specifications

Model number		AS-1010-2	AS-1010-3	AS-1010-4	
Energy absorption range		J	0.392 to 0.981	0.981 to 2.06	1.96 to 3.24
Stroke		mm	10		
Corresponding (equivalent) weight range		kg	10	15	20
1)	Max. energy capacity per minute	J/min	44.1	78.5	78.5
Collision speed range		m/s	1 or less		
Max. resisting force		N	980		
2)	Rod returning force	N	1.57	5.30	9.41
2)	Rod return time	s	0.5		1.0
Max. working cycle		times/min	45		30
Working temperature range		°C	-10 to +50 (No freezing)		
Weight		g	39		43
Accessories		End angles, holder			

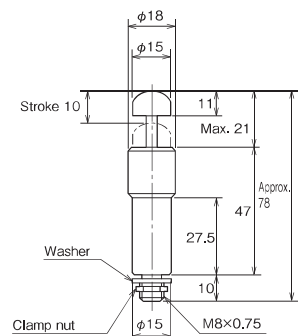
(Note 1) The max. energy capacity per minute shown in the table is the value at an ambient temperature of 26.7°C. The max. energy capacity per minute E_2 (J/min) at an ambient temperature T (°C) is indicated by the following formula.

$$E_2 = \frac{(82.2 - T)}{55.5} \times \left(\frac{\text{max. energy capacity per minute shown in table}}{1} \right)$$

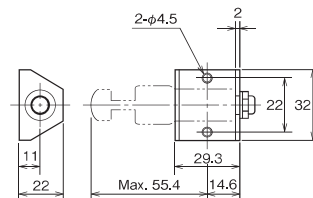
(Note 2) Maximum value when rod is retracted a stroke of 10 mm.

Unit: mm

Mounting accessories (optional) **SZZ**



End angles (OP-1012A)



Holder (OP-1012B)

