



SPECIFICATIONS

Model	Stroke mm	Max Energy Absorption J(kgf·m)	Max Equiv. Mass kg(kgf)	Range of Impact Rate m/s	Orifice Type	
FWM-1210MBD-C	10	4.9(0.5)	30(30)	0.3~2	Multiple- varying orifice type	

COMMON SPECIFICATIONS

Max Drag N(kgf)	Max Cycle Rate cycle/min	Max Energy Absorption per min. J/min(kgf·m/min)	Extension Force N(kgf)	Operating Temp. C°	Mass g
1470(150)	60	98(10)	9.8(1.0) or lower	-5~70	47

PRECAUTIONS FOR USE

- Do not use this product without carefully reading the attached owner's manual.
- Ensure that an external stopper (Stopper nut OP-020KB) is also used.
- Do not turn the oil inlet screw located at the bottom of the main unit.
- Ensure that sufficient mounting strength is secured for this product. (As a guideline, it should be 2 to 3 times the maximum drag listed in the catalogue.)
- Do not use this product in a vacuum or a location where it may come in contact with oil.
- Ensure that an eccentric load is not applied to the soft absorber. (Allowable eccentric angle: within ±2.5°)

ADJUSTMENT METHOD

- To adjust, turn the adjustment knob.
- Because the adjustment can be done in an analog manner, a value between two integers on the indicator can be set.
- It does not have a lock screw for locking the adjusted setting.

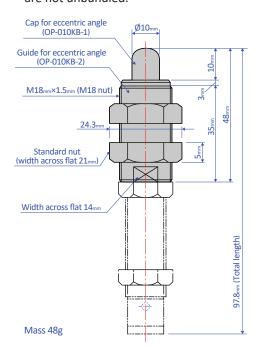
ABSORPTION CHARACTERISTICS

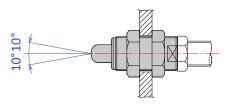
Orifice type	Multiple-orifice type	Absorption characteristics		
Model number	FWM-1210MBD Series	Resistance		
Application	For medium speed, in particular with a pneumatic cylinder	Stroke		

OPTIONAL PARTS

Eccentric angle adaptor OP-010KB

- Screw the eccentric angle adaptor into the main unit until the cap for the eccentric angle and the piston rod form a tight connection. While maintaining this position, fasten the main unit's nut until it is secured.
- Use the eccentric angle adaptor when the eccentric angle is 2.5° or larger.
- The main unit can also be used as a stopper.
- Use it with a capless soft absorber.
- The maximum operating eccentric angle with an eccentric angle adaptor is ±10°.
- The caps and the guides for inclined use are not unbundled.

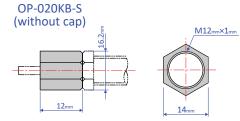




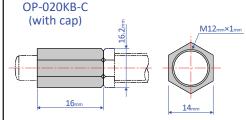
Note: Material of cap for eccentric angle: POM

Stopper nut OP-020KB

 Adjust so that it stops 1 mm before the stroke end, and fasten with the main unit's nut until secured.



Mass 6g



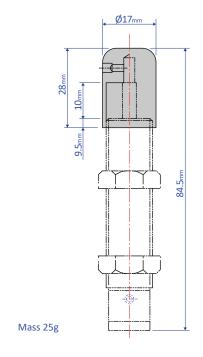
Mass 8g

Note: When attaching, make sure that the side without a bearing chamfer is the impact surface.

Standard nuts are sold separately as well - M12 Nut

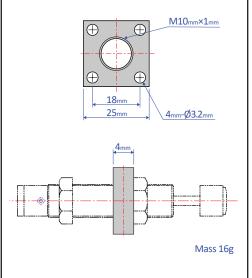
Liquid-proof cap FWM-1210MBD-C-060

- Ideal for use in environments where oil splatter poses a problem.
- Ensure that the cap is facing upward. If the cap is facing sideways or downward, it cannot provide an effective means for liquid proofing.



Square flange OP-040KB

 Once the attachment site is determined, use the main unit's nut to securely fasten in place.



Holder with a switch OP-030KB-2

Although a holder with a switch can be ordered on its own, we strongly recommend ordering one with the main unit. Please include the main unit's model number when placing an order.

