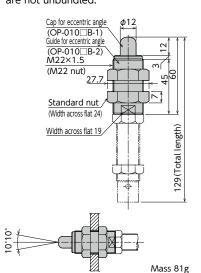
•Products specification might be changed without notice.

Optional Parts

Eccentric angle adaptor OP-010XB

Model OP-010XB

- 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 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.

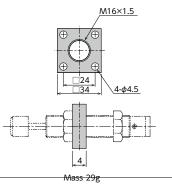


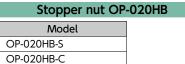
Note) Material of cap for eccentric angle: POM

Square flange OP-040XB

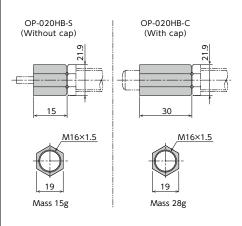
Model	
OP-040XB	

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





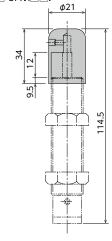
 Adjust so that it stops 1mm before thestroke end, and fasten with the main unit's nut until secured.





Model
FA-1612XB-C-060
FA-1612XD-C-060
FWM-1612XBD-C-060

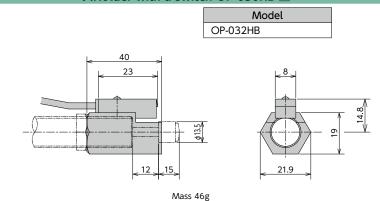
- A drip-proof cap is fitted on the unit on delivery.
- Liquid-proof caps are not sold separately.
- Ensure that the cap is facing upward. If the cap is facing sideways or downward, it cannot provide an effective means for liquid proofing.
- Model indication B, D or BD is inserted in \Box of M \Box .



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

Mass 46g

スHolder with a switch OP-030HB-[



- 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.
- For switch specifications and precautions for use, please refer to page 23.

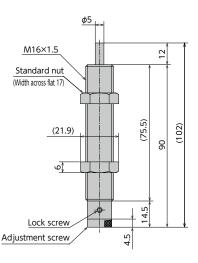
Standard nuts are sold separately as well.

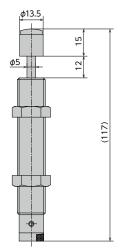
Applicable Models	Model
FA-1612XB	
FA-1612XD	M16 nut
FWM-1612XBD	

Soft Absorber

FA-1612XB/FA-1612XD/FWM-1612XBD Series







Specifications

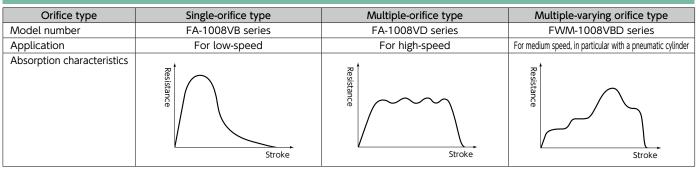
Model	Stroke mm	Max. absorption energy J (kgf·m)	Max. equivalent mass kg (kgf)	Range of impact rate m/s	Orifice type
FA-1612XB-S	12	9.8(1.0)	50(50)	0.3~1	Single-orifice type
FA-1612XB-C				0.5 01	
FA-1612XD-S			10(10)	0.7~3	Multiple-orifice type
FA-1612XD-C					
FWM-1612XBD-S			50(50)	0.3~2	Multiple-varying orifice type
FWM-1612XBD-C					

Note) To place an order without a cap, put -S at the end of the model number, and to place an order with a cap, put -C at the end of the model number.

Common Specifications

Max. drag	N (kgf)	2,646(270)	Operating temperature	Ĉ	-5~70
Max. cycle rate	cycle/min	60	Mass : S type	g	108
Max. absorption energy per minute	J/min(kgf•m/min)	235(24)	: C type	g	117
Recovering power of the piston re	od N(kgf)	14.7(1.5)or lower			

Selection Guideline The FA-1612 series series has the following three patterns of absorption characteristics depending on the orifice type. Please use the following information as a guideline when making your



Precautions for Use

- * Do not use this product without carefully reading the attached owner's manual.
- * Ensure that an external stopper (Stopper nut OP-020HB) 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 $\pm 2.5^{\circ}$)

Adjustment Method

- * To adjust, turn the adjustment knob located at the bottom of the main unit.
- * Because the adjustment can be done in an analog manner, a value between two integers on the indicator can be set.
- * Once the adjustment is complete, secure with a lock screw using a hex wrench.