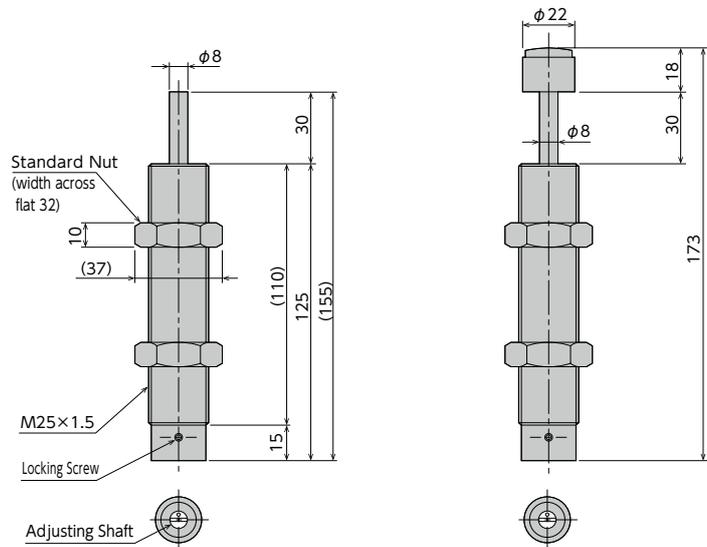


Soft Absorber

FA-2530GB/FA-2530GD/FWM-2530GBD 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-2530GB-S ▲	30	49(5.0)	400(400)	0.3~1	Single-orifice type
FA-2530GB-C ▲					
FA-2530GD-S ▲			150(150)	0.7~3	Multiple-orifice type
FA-2530GD-C ▲					
FWM-2530GBD-S ▲			300(300)	0.3~2	Multiple-varying orifice type
FWM-2530GBD-C ▲					

▲ Thread pitch P2.0 is supplied as well.

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.

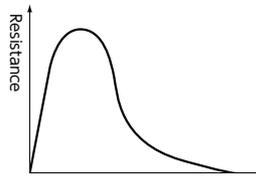
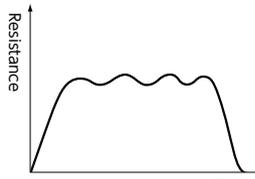
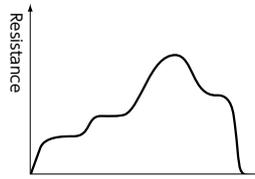
Note: M25 x 2.0 is included in main unit thread pitch specification for FA-2530. A designation shall include the model symbols such as FA-2530GB- * -P2.0, FA-2530GD- * -P2.0, FWM-2530GBD- * -P2.0, etc. for ordering. Note: "*" will be filled in with "S" or "C"

Common Specifications

Max. drag	N (kgf)	3,920 (400)	Operating temperature	°C	-5~70
Max. cycle rate	cycle/min	60	Mass : S type	g	406
Max. absorption energy per minute	J/min (kgf·m/min)	490 (50)	: C type	g	436
Recovering power of the piston rod	N (kgf)	33.2 (3.38) or lower			

Selection Guideline

The FA-2530 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 selection.

Orifice type	Single-orifice type	Multiple-orifice type	Multiple-varying orifice type
Model number	FA-2530GB series	FA-2530GD series	FWM-2530GBD series
Application	For low-speed	For high-speed	For medium speed, in particular with a pneumatic cylinder
Absorption characteristics			

Precautions for Use

- * Do not use this product without carefully reading the attached owner's manual.
- * Ensure that an external stopper (Stopper nut OP-020GB) 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 with a slotted screw driver.
- * 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.

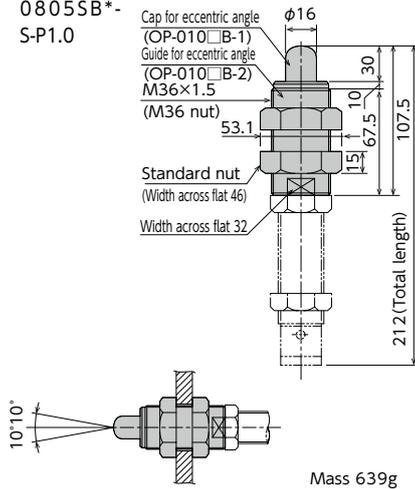
● Products specification might be changed without notice.

Optional Parts

Eccentric angle adaptor OP-010GB

Model
OP-010GB

- 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.
- The inclined adapter is not available for FA-0805SB*-S-P1.0

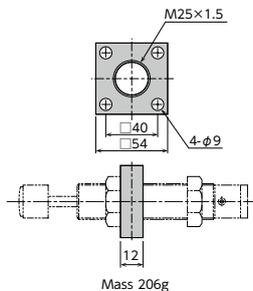


Note) Material of cap for eccentric angle: Metal

Square flange OP-040GB

Model
OP-040GB

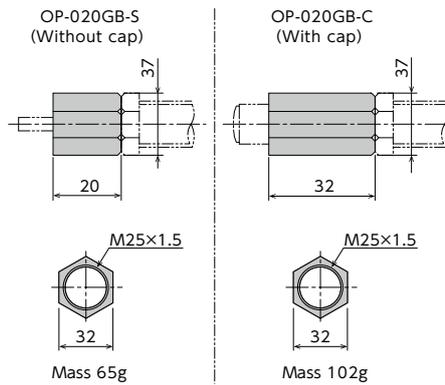
- Once the attachment site is determined, use the main unit's nut to securely fasten in place.



Stopper nut OP-020GB-□

Model
OP-020GB-S
OP-020GB-C

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

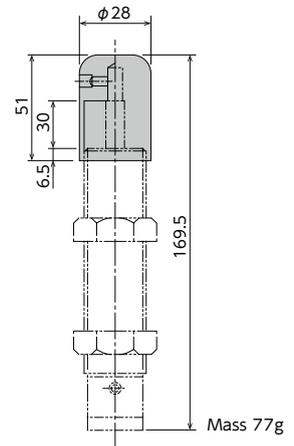


Note) When attaching, make sure that the side without a bearing chamfer is the impact surface.
M25 X 2.0 is also available as a screw pitch specification.
Model number is either OP-020GB-S or C-P2.0

Liquid-proof cap F□□-2530G□□-C-060

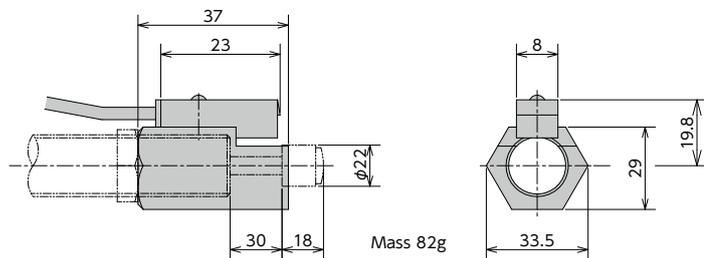
Model
FA-2530GB-C-060
FA-2530GD-C-060
FWM-2530GBD-C-060

- 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.
- F□□-2530G□□-C-060
 - Model indication A or WM is inserted in □ of F□□.
 - Model indication B, D or BD is inserted in □ of M□□.



Holder with a switch OP-030GB-□

Model
OP-032GB



- 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-2530GB	M25 nut
FA-2530GD	
FWM-2530GBD	
FA-2530GB P2.0	M25-P2 nut
FA-2530GD P2.0	
FWM-2530GBD P2.0	