



## **SPECIFICATIONS**

| Model       | Stroke<br>mm | Max Energy<br>Absorption<br>J(kgf·m) | Max Equiv.<br>Mass<br>kg(kgf) | Range of<br>Impact Rate<br>m/s | Orifice<br>Type               |  |
|-------------|--------------|--------------------------------------|-------------------------------|--------------------------------|-------------------------------|--|
| FA-2530GB-S | 30           | 49(5.0)                              | 400(400)                      | 0.3~1                          | 0.3~1 Single-<br>orifice type |  |

## **COMMON SPECIFICATIONS**

| Max<br>Drag<br>N(kgf) | Max Cycle<br>Rate<br>cycle/min | Max Energy<br>Absorption per min.<br>J/min(kgf⋅m/min) | Extension<br>Force N(kgf) | Operating<br>Temp. C° | Mass<br>g |
|-----------------------|--------------------------------|---|---------------------------|-----------------------|-----------|
| 3,920(400)            | 60                             | 490(50)   | 33.2(3.38)<br>or lower    | -5~70                 | 406       |

## **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 ±2.5°)

## **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.

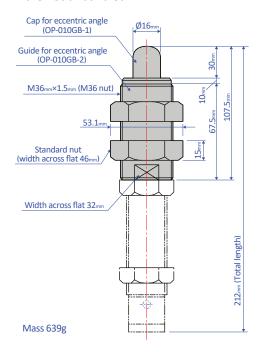
## **ABSORPTION CHARACTERISTICS**

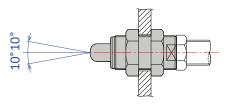
| Orifice type | Single-orifice type | Absorption characteristics |
|--------------|---------------------|----------------------------|
| Model number | FA-2530GB Series    | Resistance                 |
| Application  | For low speed       | Stroke                     |

### **OPTIONAL PARTS**

#### **Eccentric angle adaptor 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 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.

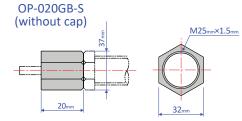




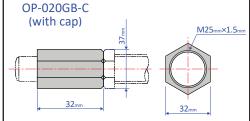
Note: Material of cap for eccentric angle: Metal

## Stopper nut OP-020GB

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



Mass 65g



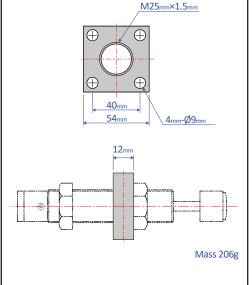
Mass 102g

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

Standard nuts are sold separately as well - M25 Nut

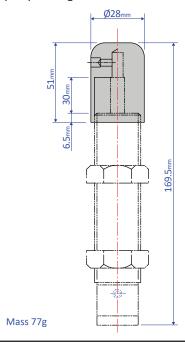
# Square flange OP-040GB

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



#### Liquid-proof cap 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.



#### Holder with a switch OP-030GB-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.

