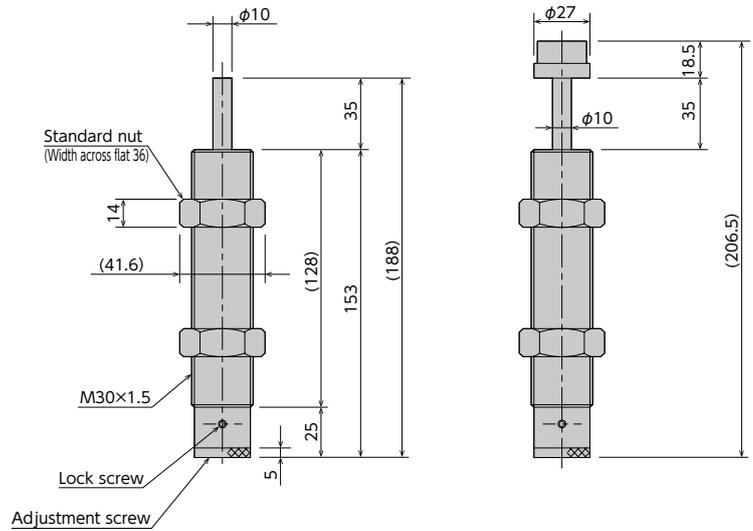


# Soft Absorber

## FA-3035TD/FWM-3035TBD/FA-3035SL 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-3035TD-S	35	196 (20)	700 (700)	0.7~3	Multiple-orifice type
FA-3035TD-C					
FWM-3035TBD-S					
FWM-3035TBD-C			1,300 (1,300)	0.3~2	Multiple-varying orifice type
FA-3035SL-S			30,000 (30,000)	0.05~0.5	Multiple-varying orifice type
FA-3035SL-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)	16,660 (1,700)	Operating temperature	°C	-5~70
Max. cycle rate	cycle/min	30	Mass : S type	g	710
Max. absorption energy per minute	J/min (kgf·m/min)	1,176 (120)	: C type	g	760
Recovering power of the piston rod	N (kgf)	60 (6.1) or lower			

Note: The maximum operation cycle of FA-3035SL is 15 (cycle/min).

## Selection Guideline

FA-3035 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	Multiple-orifice type	Multiple-varying orifice type
Model number	FA-1210MD series	FWM-1210MBD series
Application	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-020TB) 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.

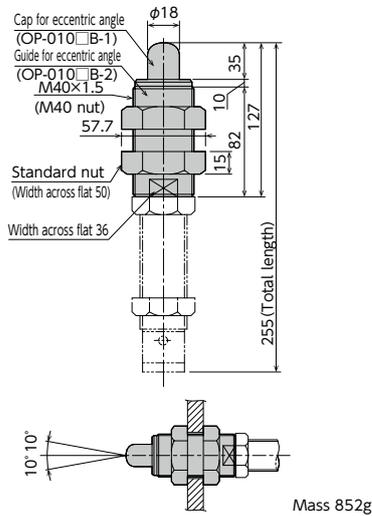
● Products specification might be changed without notice.

## Optional Parts

### Eccentric angle adaptor OP-010TB

Model
OP-010TB

- 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.

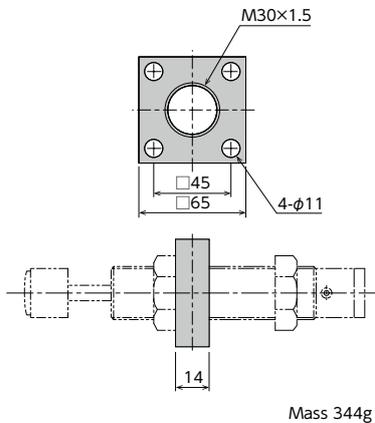


Note) Material of cap for eccentric angle: Metal

### Square flange OP-040TB

Model
OP-040TB

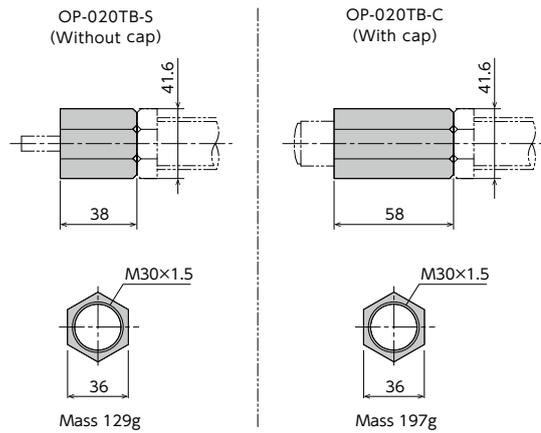
- Once the attachment site is determined, use the main unit's nut to securely fasten in place.



### Stopper nut OP-020TB-□

Model
OP-020TB-S
OP-020TB-C

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

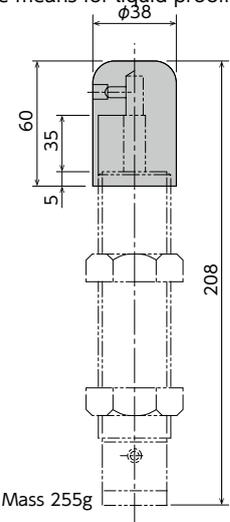


Note) When attaching, make sure that the side without a bearing chamfer is the impact surface.

### Liquid-proof cap F□□-3035T□□-C-060

Model
FA-3035TD-C-060
FWM-3035TBD-C-060

- Supplied in assembly
- 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.
- F□□-3035T□□-C-060
- Model indication A or WM is inserted in □ of F□□.
- Model indication D or BD is inserted in □ of T□□.



Note) Liquid-proof caps are not sold separately

Standard nuts are sold separately as well.

Applicable Models	Model
FA-3035TD	M30 nut
FWM-3035TBD	
FA-3035SL	