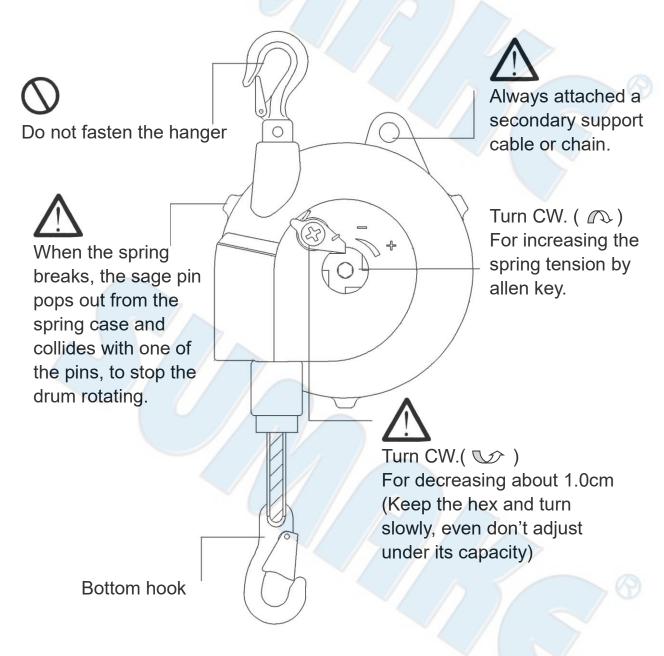


Operation Manual

SA-22030, SA-22050, SA-22070

Read this manual before use



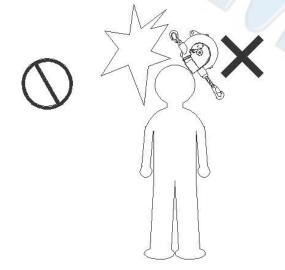
⚠Caution

⊘Prohibition

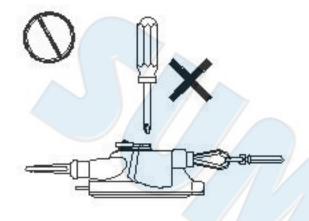


Incorrect use of the spring balancer could cause personal injury.

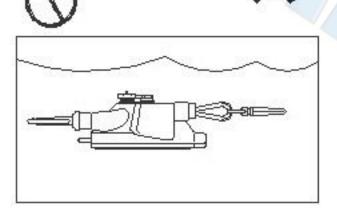
Observe instruction in the manual and use the balancer correctly.



Never stand under the spring balancer.

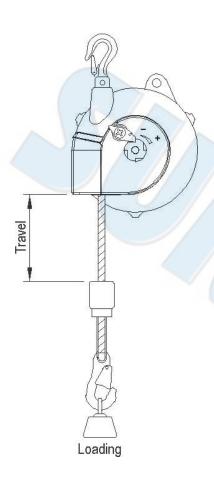


Prohibition of disassembly.



Never put the spring balancer in fluid.





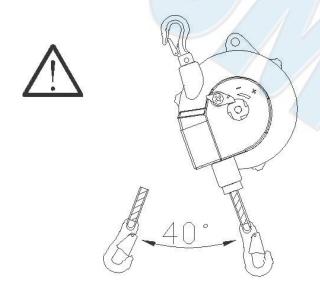
Don't twist and rub the cordage with cable during travel.

Don't load over its capacity.

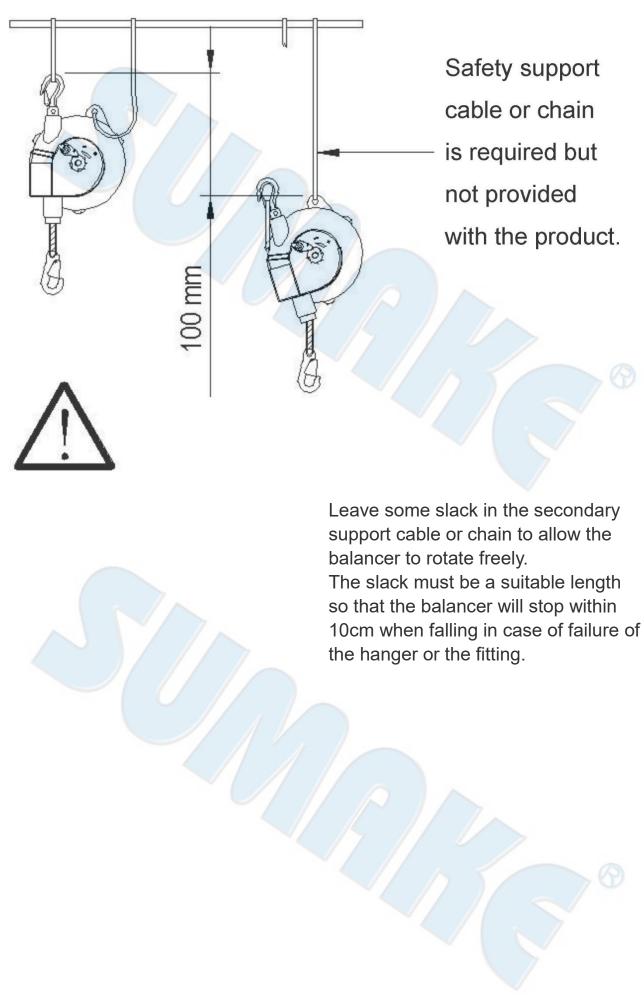


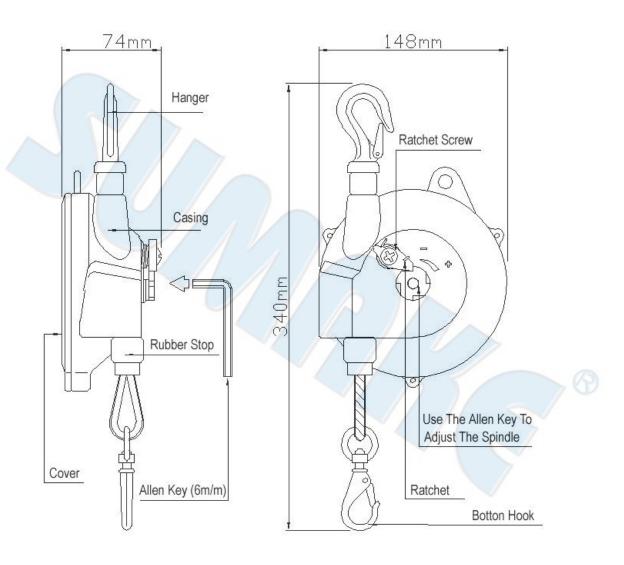
- Take the tools off while remove the spring balancer, prevent the devise drop down.
- Please remove the spring balancer and tools if rest for a long time.
- Remove the spring balancer and devise before arranging the tension. 3.

Application area:



Large angle using will debase the wire rope's life, Under ±20° is better.





| Model | Capacity | Weight | Travel |
|----------|--------------|---------|--------|
| SA-22030 | 1.5 – 3.0 kg | 1.73 kg | 1.3 m |
| SA-22050 | 3.0 – 5.0 kg | 1.82 kg | 1.3 m |
| SA-22070 | 5.0 – 7.0 kg | 1.85 kg | 1.3 m |

1. Installation

- (1) Attached the spring balancer to the steady place.
- (2) Please attached a secondary support cable and install to the steady position.
- (3) Install the devise within the capacity to the bottom hook.
- (4) Please adjust the tension within the capacity after install the devise.

2. Checks before use

- (1) The hanger and bottom hook is steady and turn swivel.
- (2) The cable is complete.
- (3) The ratchet spring and spindle is steady.
- (4) The appearance is complete, no any damage.



EC DECLARATION OF CONFORMITY

We: SUMAKE INDUSTRIAL CO., LTD.

4F, No. 351, Yangguang St., Neihu District, Taipei City, Taiwan

declare in sole responsibility that the equipment

Equipment: SPRING BALANCER

Model/ Serial No.: SA-22030(22050)(22070)

to which this declaration applies, complies with these normative documents:

• Machinery Directive: 2006/42/EC

and conforms to the following EN standard,

EN ISO 12100: 2010

Name and Signature/Position

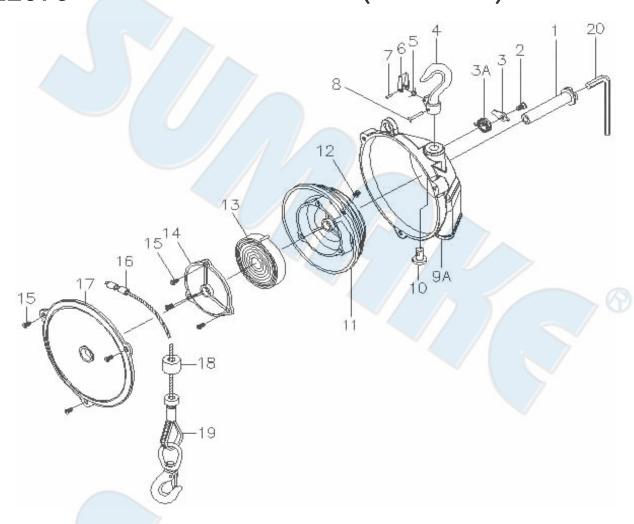
Mike Su – Managing Director

Date and Place

2022/12/1

Taipei, Taiwan

SA-22030 SA-22050 SA-22070 SPRING BALANCER (1.5-3KG) SPRING BALANCER (3-5KG) SPRING BALANCER (5.0-7.0KGS)



PARTS LIST

| No. | Parts No. | Description | Q'ty |
|-------|--------------|--|------|
| 1 | SA22030-01 | Spindle | 1 |
| 2 | SA22030-02 | Screw | 1 |
| 3 | SA22030-03 | Ratchet | 1 |
| 3A | SA22030-03A | Ratchet Spring | 1 |
| 4~10 | SA22030-09AS | Casing Set [Incl. 4, 5, 6, 7, 8, 9A, 10] | 1 |
| | SA22030-13S | Spring Plate Set [Incl. 11, 13] [SA-22030] | 1 |
| 11&13 | SA22050-13S | Spring Plate Set [Incl. 11, 13] [SA-22050] | 1 |
| | SA22070-13S | Spring Plate Set [Incl. 11, 13] [SA-22070] | 1 |
| 12 | SA22030-12 | Screw | 1 |
| 14 | SA22030-14 | Spring Cover | 1 |
| 15 | SA22030-15 | Screw | 6 |
| 16~19 | SA22030-19S | Cable Set [Incl. 16(2), 18, 19] | 1 |
| 17 | SA22030-17 | Cover | 1 |
| 20 | SA22030-20 | Hex Spanner / rod | 1 |

NOTE



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