

2025

# Spring Balancers Catalog

[www.hytool.de](http://www.hytool.de)



High-quality tools. Affordable prices.



*Providing industry tools for your specific needs*

Dear Customer,

Here at hyTool, we pride ourselves on offering the worlds most comprehensive line of industrial bolting tools. Whether you need manual or hydraulic, air-driven or electric – we are your one stop shop for all your bolting needs.

We feel honoured to be recognised as a significant global player in the manufacturing and supply of quality hydraulic torque wrenches, pumps, and accessories for the power, mining, refinery, steel, petrochemical and other heavy industries.

Please do not hesitate to reach out should you have any questions about our products or services. We are here to serve you. Thank you for your business.

Cheers,

A handwritten signature in black ink, appearing to read "Stefan Greiff".

Stefan Greiff

*Founder, European Distributor*



SWF Series



SWA Series



SBH Series

We have introduced several safety features into the newly designed Spring Balancer which has made it user-friendly and eliminated chances of industrial accidents. Large batch production has been introduced through new pressure dies which has improved the products appearance and reduced the delivery time. These balancers are in use in over 85 countries with the largest automobile manufactures.

### Technical Features

- **Closed Body & Cover:** Prevents industrial accident by preventing ingress of fingers inside the assembly
- **Bodyliner:** To prevent the wear of body by wire rope. Increases life of the balancer
- **Vertical Axis Spring Adjustment:** This will facilitate adjustment of spring tension from ground level
- **Containerised Spring Assembly:** Concealed containers are easy in handling during maintenance and replacement of spring
- **Wire Rope Replacement Without Dismantling:** A slot on balancer facilitates removal and installation of wire rope without disassembly of balancer. This facility is not available for long range balancer.
- **Pressure Die Casting:** Parts are manufactured through pressure die hence there is consistency in surface finish and total interchangeability of spares. Facilitates large batch production hence reduced delivery period.
- **Safety Lock Pin:** Locks drum pulley in the event of spring failure and thus prevents the fall of costly equipment & injury to the operator from falling load
- **Forged Tophook:** Permits 360 degree swivel of balancer

### SWF Series

Model	Capacity [kg]	Travel [m]	Weight [kg]
SWF-01	0,5 - 1,5	1,0	1,0
SWF-02	1 - 2	1,0	1,0
SWF-03	1,5 - 3	1,3	1,8
SWF-05	3 - 5	1,3	1,9
SWF-09	4,5 - 9	1,3	4,0
SWF-15	9 - 15	1,3	4,0
SWF-22	15 - 22	1,5	8,0
SWF-30	22 - 30	1,5	8,0
SWF-40	30 - 40	1,5	10,5
SWF-50	40 - 50	1,5	10,5
SWF-60	50 - 60	1,5	11,0
SWF-70	60 - 70	1,5	11,5
SWF-85	70 - 85	1,5	12,0
SWF-90	70 - 90	1,5	12,5
SWF-100	85 - 100	1,5	27,0
SWF-105	90 - 105	1,5	28,0
SWF-120	100 - 120	1,5	29,0
SWF-140	120 - 140	1,5	31,0
SWF-170	140 - 170	1,5	35,0
SWF-200	170 - 200	1,5	36,0

Model	Capacity [kg]	Travel [m]	Weight [kg]
SWF-03L	1,5 - 3	2,5	3,9
SWF-05L	3 - 5	2,5	4,0
SWF-09L	4,5 - 9	2,3	7,0
SWF-15L	9 - 15	2,3	7,5
SWF-22L	15 - 22	2,3	8,5
SWF-30L	22 - 30	2,3	8,5
SWF-40L	30 - 40	2,3	11,0
SWF-50L	40 - 50	2,3	11,0
SWF-60L	50 - 60	2,3	11,5
SWF-70L	60 - 70	2,3	12,0
SWF-85L	70 - 85	2,5	26,5
SWF-100L	85 - 100	2,5	27,0
SWF-120L	100 - 120	2,5	34,0
SWF-130L	110 - 130	2,5	35,0

## SWA Series

These balancers are provisioned with a wire arrest mechanism, which locks the drum pulley in case of bottom hook failure or accidental tool disengagement.

Model	Capacity [kg]	Travel [m]	Weight [kg]	Model	Capacity [kg]	Travel [m]	Weight [kg]
SWA-15	9 - 15	1,3	5,5	SWA-15L	9 - 15	2,3	8,5
SWA-22	15 - 22	1,5	8,5	SWA-22L	15 - 22	2,3	9,0
SWA-30	22 - 30	1,5	9,0	SWA-30L	22 - 30	2,3	9,5
SWA-40	30 - 40	1,5	11,5	SWA-40L	30 - 40	2,3	12,0
SWA-50	40 - 50	1,5	12,0	SWA-50L	40 - 50	2,3	12,5
SWA-60	50 - 60	1,5	13,0	SWA-60L	50 - 60	2,3	13,5
SWA-70	60 - 70	1,5	13,5	SWA-70L	60 - 70	2,3	14,0

## SBH Series

New introduction to meet the long standing requirement of heavy weight balancers available in both standard range and long range.

Model	Capacity [kg]	Travel [m]	Weight [kg]	Model	Capacity [kg]	Travel [m]	Weight [kg]
SBH-100	85 - 100	3,0	48,5	SBH-225	200 - 225	1,5	46,5
SBH-120	100 - 120	3,0	48,5	SBH-250	225 - 250	1,5	47,0
SBH-140	120 - 140	3,0	49,0	SBH-275	250 - 275	1,5	48,5
SBH-160	140 - 160	3,0	49,6	SBH-300	275 - 300	1,5	49,5
SBH-200	170 - 200	1,5	53,0				

## I-BEAM Trolley

I-Beam Trolley has been designed specially to suspend Spring Balancers in welding shops, assembly lines for transformers, welding guns, and pneumatic tools in automobile manufacturing plants.



SIT-500



SIT-250



SIT-70

Model	Capacity [kg]	Beam Width [mm]	Weight [kg]
SIT-70	70	50,75	1,0
SIT-250	250	75,125	4,5
SIT-500	500	50,75	7,5
SIT-1000	1000	50,75	8,6

Prior to the safety initiatives and modifications undertaken by hyTool, older design Spring Balancers had only limited safety provisions, due to which these older type Spring Balancers were prone to operational hazards and industrial accidents leading to huge compensations. hyTool has introduced several safety features into the newly designed Spring Balancers while retaining all the existing safety features. hyTool Balancers have thus become more user friendly, eliminating chances of accidents.

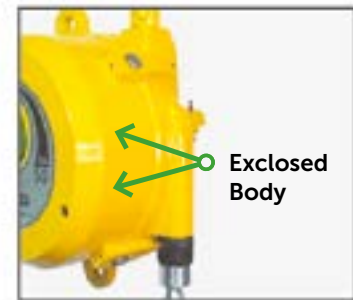
### Existing Safety Features Retained

- **Safety Pin:** Stops and locks drum pulley in the event of spring failure and thus prevents the fall of costly equipment and injury to the operator from falling load
- **Additional Eye:** For fixing secondary support chain remains

### Exclusive Safety Features Introduced

#### 1. Enclosed Body

Spring Balancers from other suppliers are supplied with opening both in body and cover causing accidental crush of the operator's fingers between revolving the drum and the body of the Spring Balancers. To prevent this, side windows on the body and cover have been eliminated. This would prevent industrial accidents.



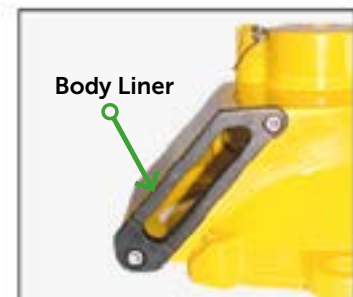
#### 2. Wire Arrest Mechanism (SWA Series)

In the unfortunate event of accidental dislodging of the suspended weight, with breakage of the bottom hook / wire rope, the spring tension will pull back the wire rope, resulting in a whipping action likely to hurt personnel around. This mechanism will lock the last revolving drum pulley and the wire rope assembly will be stopped with max. 20cm travel. This will prevent the whipping of the wire rope assembly and avoid any injury to the operator or any personnel around.



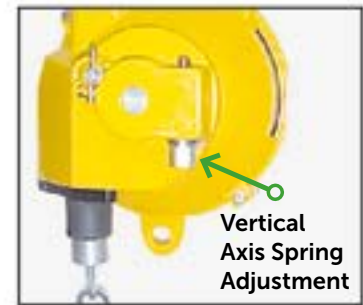
#### 3. Body Liner

In order to prevent wear of the slot of the Spring Balancer body, a split type nylon liner for wire rope has been introduced in the new design Spring Balancers. This liner can be removed and installed on site without any need for dismantling of the wire rope. This will prevent wear of the costly body resulting in overall savings and reduced down time of the equipment.



### 4. Easy Adjustment Of Spring Tension

In Spring Balancers from other manufactures the worm gear box for adjustment of Spring Tension worked in the horizontal axis. Gear box position has been rotated through 90 degrees so that spring tension adjustment can be made by working in vertical axis. This will facilitate adjustment from ground level without any need to rise up to the Spring Balancer hanging level. This reduces down time, creates easy operation for facilities and reduces the chance of any mishap during which an operator rises to the level of the balancer.



### 5. Wire Rope Replacement Without Dismantling

A small slot has been provided to facilitate removal and re-installation of the wire rope without any need for dismantling of the Spring Balancers. This will reduce the down time of the equipment. This option is not available for long range Spring Balancers.



### 6. Containerised Spring Assembly

No longer do you need to handle open springs which are difficult and dangerous to handle with sharp edges. All springs are now supplied in concealed containers for easy replacement. With containerised springs, accidents are avoided during maintenance and replacement of springs.



### 7. Drum Lock System

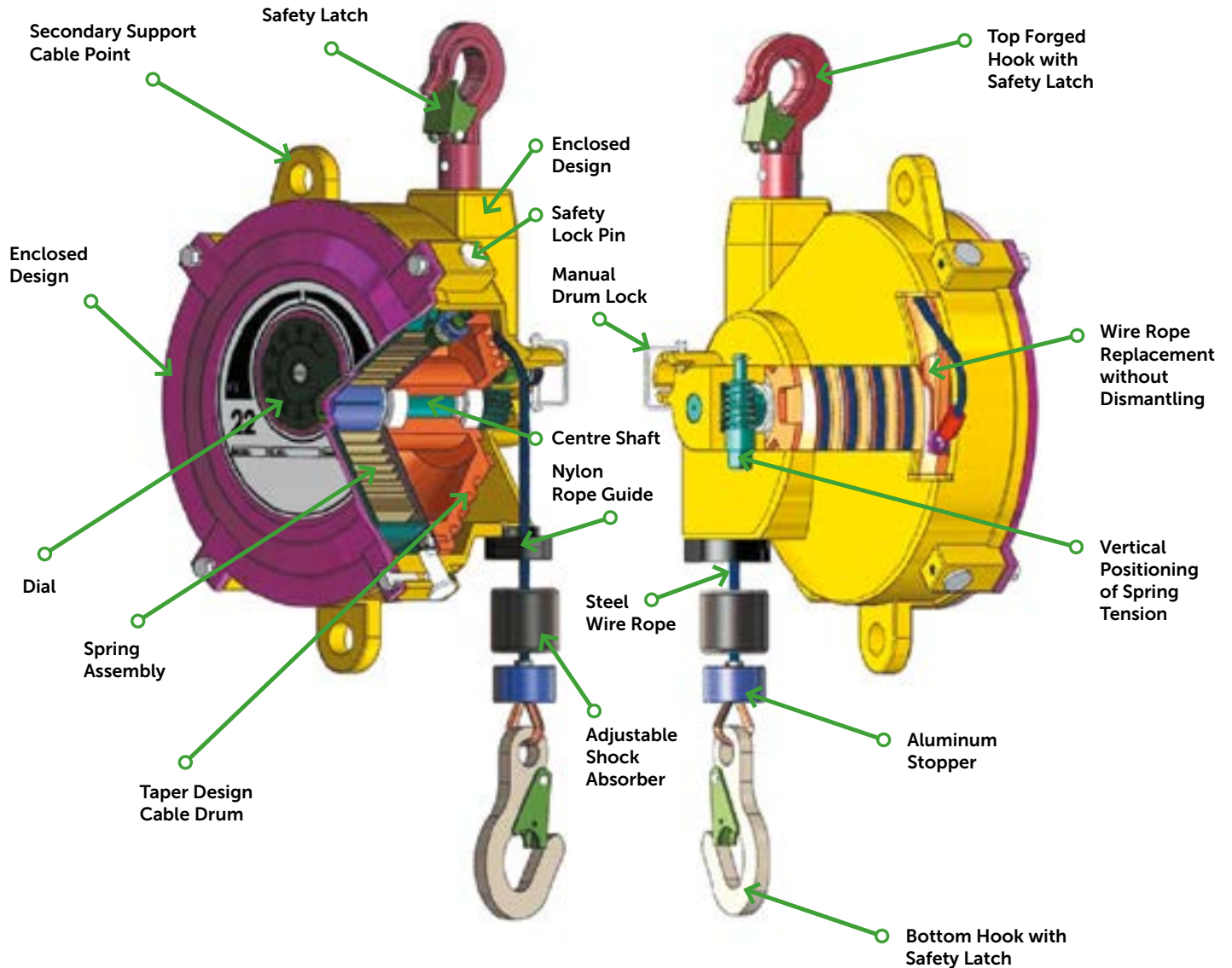
Available to lock the spool while replacing a tool.



### 8. Tension Gauge

Lets the operator see the tension setting.



**Reduced Delivery Time • Improved Appearance • Better Value • Safety Standards**

**Technical Features**

- With the modification and introduction of a new design, dies have been changed to pressure cast type
- Large batch production has been introduced with most models now available from stock
- Pressure Dies has improved the look and appearance of the tools
- Productivity and safety features ensure that your company gets value for years to come
- All hyTool Balancers meet CE, IS, and industrial safety standards
- In use in over 85 countries with the largest automobile manufacturers



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