

SPRING BALANCERS

Hasemer Spring Balancers are now available in a new closed body concept to ensure better safety.



HWF Series

HWF series balancers are fully enclosed & are provisioned with a body liner to prevent damage to body.

Model No.	Capacity Kg.	Travel Meter.	Weight Kg.	Capacity Kg.	Model No.	Travel Meter.	Weight Kg.
HWF - 01	0.5 - 1.5	1.0	1.0	-	-	-	-
HWF - 02	1.0 - 2.0	1.0	1.0	-	-	-	-
HWF - 03	1.5 - 3.0	1.3	1.8	1.5 - 3.0	HWF - 03 L	2.5	4.2
HWF - 05	2.5 - 5.0	1.3	1.9	2.5 - 5.0	HWF - 05 L	2.5	4.4
HWF - 09	4.5 - 9.0	1.3	4.0	4.5 - 9.0	HWF - 09 L	2.3	8.0
HWF - 15	9.0 - 15.0	1.3	4.0	9.0 - 15.0	HWF - 15 L	2.3	8.0
HWF - 22	15.0 - 22.0	1.5	8	15.0 - 22.0	HWF - 22 L	2.3	8.5
HWF - 30	22.0 - 30.0	1.5	9	22.0 - 30.0	HWF - 30 L	2.3	9.5
HWF - 40	30.0 - 40.0	1.5	10.5	30.0 - 40.0	HWF - 40 L	2.3	11.0
HWF - 50	40.0 - 50.0	1.5	11	40.0 - 50.0	HWF - 50 L	2.3	12.0
HWF - 60	50.0 - 60.0	1.5	12	50.0 - 60.0	HWF - 60 L	2.3	13.0
HWF - 70	60.0 - 70.0	1.5	12.5	60.0 - 70.0	HWF - 70 L	2.3	13.5
HWF - 85	70.0 - 85.0	1.5	13	70.0 - 85.0	HWF - 85 L	2.3	18.0
HWF - 100	85.0 - 100.0	1.5	13.5	85.0 - 100.0	HWF - 100 L	2.5	28.0
HWF - 120	100.0 - 120.0	1.5	29.0	100.0 - 120.0	HWF - 120 L	2.5	29.0
HWF - 140	120.0 - 140.0	1.5	31.0	110.0 - 130.0	HWF - 130 L	2.5	31.0
HWF - 170	140.0 - 170.0	1.5	35.0	-	-	-	-
HWF - 200	170.0 - 200.0	1.5	36.0	-	-	-	-



HWA Series

These balancers are provisioned with wire arrest mechanism, which locks the drum pulley in case of tool disengagement. These balancers are available for capacity from 9 - 70 Kg. & have all the feature of SWF balancers as well. These balancers are primarily used with welding guns and applications where chances of wire slitting or tool disengagement due to accidental failure are higher.

Model No.	Capacity Kg.	Travel Meter.	Weight Kg.	Model No.	Capacity Kg.	Travel Meter.	Weight Kg.
HWA - 15	9.0 - 15.0	1.3	5.5	HWA - 15 L	9.0 - 15.0	2.3	10.0
HWA - 22	15.0 - 22.0	1.5	9.5	HWA - 22 L	15.0 - 22.0	2.3	10.0
HWA - 30	22.0 - 30.0	1.5	10.0	HWA - 30 L	22.0 - 30.0	2.3	11.0
HWA - 40	30.0 - 40.0	1.5	12.5	HWA - 40 L	30.0 - 40.0	2.3	14.5
HWA - 50	40.0 - 50.0	1.5	13.0	HWA - 50 L	40.0 - 50.0	2.3	15.0
HWA - 60	50.0 - 60.0	1.5	13.5	HWA - 60 L	50.0 - 60.0	2.3	16.0
HWA - 70	60.0 - 70.0	1.5	14.0	HWA - 70 L	60.0 - 70.0	2.3	16.5



SAFETY FEATURES

Prior to the safety initiatives and modifications undertaken 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.

Several safety features have introduced into our new designed Spring Balancers while retaining all the existing safety features.

Hasemer 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 & Cover causing accidental crush of operator's fingers between revolving 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, breakage of bottom hook / wire rope, spring tension will pull back the wire rope, resulting in whipping action likely to hurt personnel around.

This mechanism will lock the last revolving drum pulley & the wire rope assembly will be stopped with max. 20cm travel.

This will prevent the whipping of wire rope assembly & avoided any injury to operator or any personnel around.

WIRE ARREST MECHANISM



SAFETY FEATURES

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 saving and reduced down time of equipment.

BODY LINER

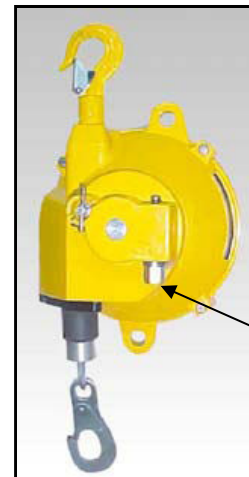


4. EASY ADJUSTMENT OF SPRING TENSION

In Spring Balancers from other manufactures the worm gear box for adjustment of Spring Tension worked in the horizontal axis. Gearbox 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 Spring Balancer hanging level. This reduces down time, facilities easy operation and reduces the chance of any mishap during an operator rising to the level of the balancer.

**VERTICAL
AXIS SPRING
ADJUSTMENT**



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 facility is not available for long range Spring Balancers.

**SLOT FOR
REMOVAL
OF WIRE
ROPE**



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 replacements of springs.



SPRING ASSEMBLY CONTAINER