

SPRING BALANCER



TUBE TOOLS



SHINGARE
INDUSTRIES PVT LTD

MANUFACTURER & EXPORTER OF
Tube Cleaners, Tube Expanders, Tube Tools,
Pipe Beveling Machines, Plate Bevellers,
High Pressure Water Jetting Machine & Tapping Machine



TUBE TOOLS

Education is necessary but not a pre-requisite for success in life. Bhartiya Industries is the best example of this theory. Mr. Suryakant Shingare (HARIBHAI), the founder of the company is a non-matriculate technocrat with more than 10 years experience in flexible shaft manufacturing. He founded this company in 1989.



Basic Products:

Engineering products is our forte. We manufacture engineering products such as tube expander, tube cleaner, tube tools, hydraulic tube expansion, tube pulling, and pipe beveling machines. We also deal in manufacture of flexible shaft grinders, construction equipment, hydraulic torque wrench, impact socket, pneumatic tapping machines, and many more...

Brief History of the Company:



We were a small industry until 2003 engaged in production and supply of different types of flexible shafts for tube cleaning, brushes, flexible shaft grinder, and concrete vibrators. The year 2003 was a watershed year for the company.

Mr. Pradip Shingare, son of **Mr. Hari Shingare**, graduated from Mumbai University with a degree in Mechanical Engineering. He had great plans to take the company forward on the route to expansion. He ventured into export of the engineering products. By 2008, the company acquired the reputation as the largest exporter of tube cleaning machines and flexible shafts in India.

The year 2009 saw the expansion of the company into manufacture of products such as Tube expander, tube tools, and tube pulling machines. The company witnessed a record double-digit growth in this product range. In 2011, the company started developing a product range of pipe beveling machines. These machines are extremely popular in India as well as in the overseas market. The year 2013 witnessed the company foray into imports of different types of tools such as tapping tools, grinding tools, etc making us the leading player in India in these categories.

The year 2015 saw us entering into the sugar industry component with the manufacture of the Heavy Duty Sugar Dust Collector machine, FlexRepair40 machine. In 2016, we awarded with ISO 9001:2008 certification for strictly followed quality norms and processes.

Dedicated Staff:

We have a dedicated team of more than 40 people, many of whom are with us since the early days of the company. We have an excellent blend of youth, knowledge, and experience in our ranks.

Export oriented:

We export over 60% of our products to more than 60 countries all over the globe.

Expansion:

We feel the need to expand our business to enable us to serve the people of this country better. With this aim in mind, we established a new company in the name of SHINGARE INDUSTRIES PVT. LTD.

Motto: Our main motto of business is "Growth with Trust."

We believe in the "Make in India" concept espoused by our honorable Prime Minister Shri Narendra Modi. Our mission is innovation and creation of an import substitute product in India.

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Our Successful Participation in Trade Fairs and Conventions in INDIA and Overseas.



SISSTA BENGALURU 2015



SISSTA, CHENNAI 2016



STAI, NEW DELHI 2016



SISSTA, TIRUPATI 2017



MAHATECH, PUNE 2015

SPRING BALANCER



TUBE TOOLS

SPRING BALANCERS

We have introduced several safety features into the new designed Spring Balancer which has made it user friendly and eliminating chances of Industrial accident. Large batch production has been introduced through new Pressure Dies which has made the product look better and has reduced the Delivery Time. Product is in use in over 72 countries with the largest automobile manufactures.



BWF Series



BWA Series

FEATURES

- **CLOSED BODY AND COVER:** Prevents industrial accident by preventing ingress of fingers inside the assembly.
- **BODY LINER:** 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 springs.
- **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 TOP HOOK:** Permits 360 degree swivel of balancer.

BWF Series:

Capacity	Model No.	Travel	Weight	Capacity	Model No.	Travel	Weight
Kg.		Meter	Kg.	Kg.		Meter	Kg.
0.5 - 1.5	BWF - 01	1.0	1.1	1.5-3.0	BWF - 03L	2.5	3.3
1.0 - 2.0	BWF - 02	1.0	1.1	2.5-5.0	BWF - 05L	2.5	3.7
1.5 - 3.0	BWF - 03	1.3	1.6	4.5-9.0	BWF - 09L	2.3	6.9
2.5 - 5.0	BWF - 05	1.3	1.8	9.0-15.0	BWF - 15L	2.3	7.2
4.5 - 9.0	BWF - 09	1.3	3.9	15.0-22.0	BWF - 22L	2.3	7.7
9.0 - 15.0	BWF - 15	1.3	4.0	22.0-30.0	BWF - 30L	2.3	7.7
15.0 - 22.0	BWF - 22	1.5	7.5	30.0-40.0	BWF - 40L	2.3	10.2
22.0 - 30.0	BWF - 30	1.5	7.5	40.0-50.0	BWF - 50L	2.3	10.3
30.0 - 40.0	BWF - 40	1.5	10.0	50.0-60.0	BWF - 60L	2.3	10.9
40.0 - 50.0	BWF - 50	1.5	10.3	60.0-70.0	BWF - 70L	2.3	11.4
50.0 - 60.0	BWF - 60	1.5	10.7	70.0-85.0	BWF - 85L	2.5	26.0
60.0 - 70.0	BWF - 70	1.5	11.2	85.0-100.0	BWF - 100L	2.5	26.2
70.0 - 85.0	BWF - 85	1.5	11.6	100.0-120.0	BWF - 120L	2.5	33.2
85.0 - 100.0	BWF - 100	1.5	11.9	110.0-130.0	BWF - 130L	2.5	33.5
75.0 - 90.0	BWF - 90	1.5	26.2				
90.0 - 105.0	BWF - 105	1.5	26.5				
100.0 - 120.0	BWF - 120	1.5	26.8				
120.0 - 140.0	BWF - 140	1.5	27.2				
140.0 - 170.0	BWF - 170	1.5	33.5				
170.0 - 200.0	BWF - 200	1.5	33.6				

SPRING BALANCERS

BWA Series:

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

Capacity Kg.	Model No.	Travel Meter	Weight Kg.
9.0 - 15.0	BWA - 15	1.3	5.5
15.0 - 22.0	BWA - 22	1.5	8.5
22.0 - 30.0	BWA - 30	1.5	8.6
30.5 - 40.0	BWA - 40	1.5	11.2
40.0 - 50.0	BWA - 50	1.5	11.8
50.0 - 60.0	BWA - 60	1.5	12.3
60.0 - 70.0	BWA - 70	1.5	12.8

Capacity Kg.	Model No.	Travel Meter	Weight Kg.
9.0 - 15.0	BWA - 15L	2.3	8.5
15.0 - 22.0	BWA - 22L	2.3	8.6
22.0 - 30.0	BWA - 30L	2.3	8.7
30.0 - 40.0	BWA - 40L	2.3	11.4
40.0 - 50.0	BWA - 50L	2.3	12.0
50.0 - 60.0	BWA - 60L	2.3	12.5
60.0 - 70.0	BWA - 70L	2.3	13.0

SAFETY FEATURES

Prior to the safety initiatives and modifications undertaken by BHARTIYA 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.

BHARTIYA has introduced several safety features into our new designed Spring Balancers while retaining all the existing safety features. BHARTIYA 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. 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.



2. 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.

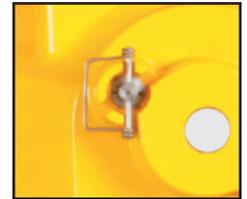
This will facilitate adjustment from ground level without any need to rise up to Spring Balancer hanging level. This reduces down time, facilitates easy operation and reduces the chance of any mishap during an operator rising to the level of the balancer.



SAFETY FEATURES

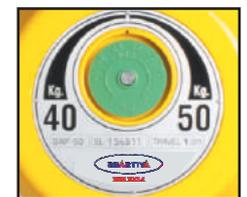
3.DRUM LOCK SYSTEM

Available to lock the spool while replacing a tool.



4.TENSION GAUGE

Lets operator see tension setting.



5.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.



6.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.



7.ENCLOSED BODY

Spring Balancers from other suppliers are supplied with opening both in Body and Cover causing accidental crunch 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.



8.WIRE ARREST MECHANISM (BWA SERIES)

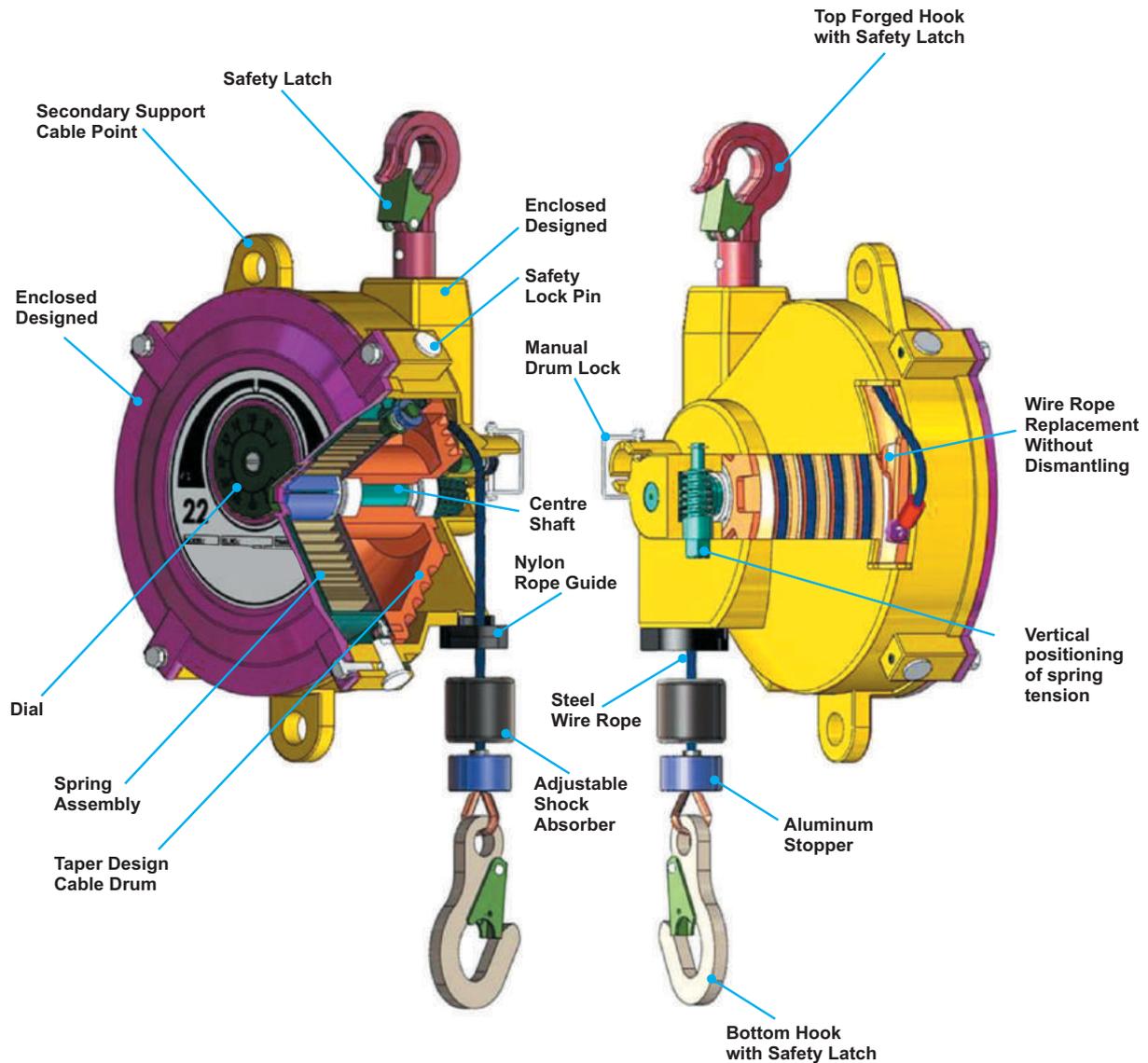
In the unfortunate event of accidental dislodging of the suspended weight, breakage of bottom hook / wire rope, spring tension will pull back the wire rope, resulting in whipping action likely to hurt personnel around.

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

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



SPRING FEATURES



Reduced Delivery Time - Improved Looks - Better Value - Safety Standards

- With the modification and introduction of 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 looks.
- Productivity and safety features ensure that your company gets VALUE FOR YEARS!!
- All BHARTIYA Balancers meet CE, IS and Industrial safety standards.
- In use in over 72 countries with the largest automobile manufacturers.

OUR MAJOR CLIENTS

Please see below our robust and valued client list that uses BHARTIYA products repeatedly. We take pride in our partnerships and the ability to grow with such amazing group of companies.



SHINGARE
INDUSTRIES PVT LTD

 **SHINGARE INDUSTRIES PVT. LTD.**
Formerly known as Bharatiya Industries

 Manufacturer & Exporter of Tube Cleaners, Flexible Shafts, Tube Tools, Pipe Beveling Machines, Torque Tools, Grinding Tools, Tapping Tools.

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