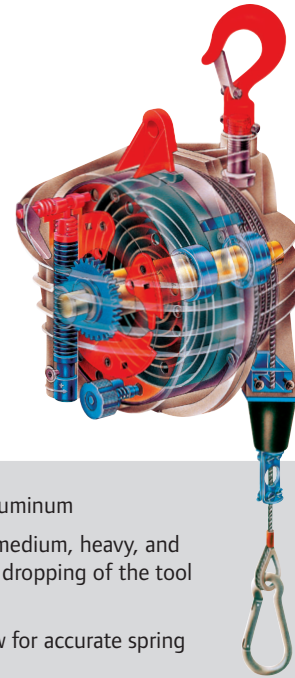


B-Series Spring Balancers

Features

B-Series spring balancers compensate weight of your power tools or other manufacturing equipment and enable operator to lift or lower it with minimal effort. Series BIDS, BHD and BSD(L) feature “Zero Gravity” effect allowing virtually effortless load repositioning all along cable travel.



The Ingersoll Rand spring balancer **ADVANTAGE**

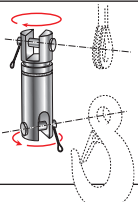
- ▶ **60 models** from which to choose
- ▶ **Five different series** to meet all balancing requirements
- ▶ Covers weight-balancing needs from **0.4 to 180 kg**
- ▶ Lifts ranging from **1.6 to 3 m**
- ▶ **“Gravity-free”** effect on intermediate, heavy, and super-duty models allows user to move tool with minimal effort
- ▶ Made of **rugged die-cast aluminum**
- ▶ **Safety locking device** on medium, heavy, and super-duty models prevents dropping of the tool should the spring fail
- ▶ **Easy-to-use controls** allow for accurate spring adjustment

Balancers product information

Standard equipment / Series	BLD Series	BMD Series	BIDS Series	BHD Series	BSD(L) Series
Stainless steel cable and anti-friction cable guide					
Auxiliary safety suspension					
Adjustable stroke limiting device					
Inert spring drum assembly					
Adjustable capacity (by means of a worm screw for BIDS, BHD & BSD Series)					
Rotary load hook	—	—	Option: OPTRI		
Automatic safety brake acting in case of spring breakage	—				
Top shackle for increased convenience (1)			—	—	—
Rotary upper suspension with safety hook on ball bearing	—	—			
Locking device to block the load at any height	—	/ —			
Tapered drum rotating on ball bearings for zero gravity effect	—	—			
Optional floor control locking	—	—	—	BIL-7343	BIL-3224

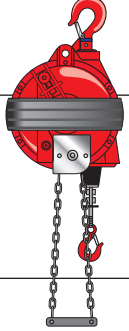
1) For retrofit or replacement use BIL-23223 for BLD Series, and BIL-23224 for BMD Series (BMD5, BMDLN and BMDLLN).

Options



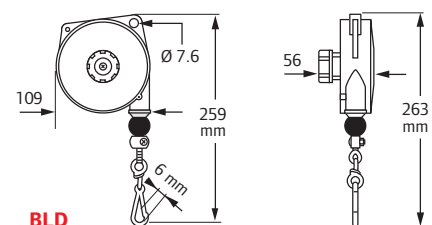
For rotating bottom hook, please order part no. OPTRI to install it on BIDS balancers. For BHD and BSD(L) Series, amend balancer part no. with “OPTRI”

Locking/unlocking device for control from the floor:
Part no. BIL-7343 (for BHD Series).
Part no. BIL-3224 (for BSD and BSD(L) Series)

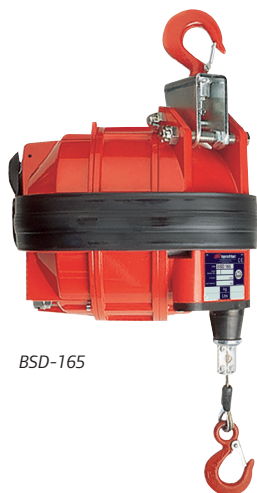


Light duty balancers

Model no.	Load capacity (kg)	Max. stroke (m)	Weight (kg)
BLD-1	0.4 - 1.0	1.6	0.6
BLD-2	1.0 - 2.0	1.6	0.6
BLD-3	2.0 - 3.0	1.6	0.7



B-Series Spring Balancers



BSD-165



BHD-20



BIDS-14



BMDLN-4



BMDS-6

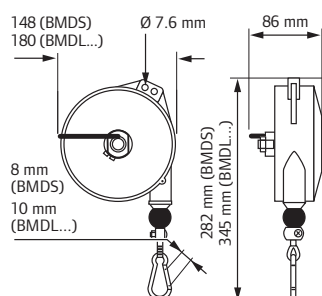
Medium and heavy duty balancers

Model no.	Load capacity (kg)	Max. stroke (m)	Weight (kg)
BMDS-2	1.0 - 2.5	2.0	2.0
BMDS-4	2.0 - 4.0	2.0	2.0
BMDS-6	4.0 - 6.0	2.0	2.3
BMDS-8	6.0 - 8.0	2.0	2.5
BMDLN-4	2.0 - 4.0	2.5	2.9
BMDLN-6	4.0 - 6.0	2.5	3.2
BMDLN-8	6.0 - 8.0	2.5	3.5
BMDLN-10	8.0 - 10	2.5	3.7
BMDLN-12	10.0 - 14	2.5	4.0
BMDLLN-4 ⁽¹⁾	2.0 - 4.0	2.5	3.0
BMDLLN-6 ⁽¹⁾	4.0 - 6.0	2.5	3.3
BMDLLN-8 ⁽¹⁾	6.0 - 8.0	2.5	3.6
BMDLLN-10 ⁽¹⁾	8.0 - 10	2.5	3.8
BIDS-7	4.0 - 7.0	2.0	5.0
BIDS-10	7.0 - 10	2.0	5.5
BIDS-14	10 - 14	2.0	5.5
BIDS-18	14 - 18	2.0	6.5
BIDS-22	18 - 22	2.0	6.0
BIDS-26	22 - 25	2.0	6.6
BHD-15	10 - 15	2.0	10.3
BHD-20	15 - 20	2.0	10.6
BHD-25	20 - 25	2.0	11.2
BHD-30	25 - 30	2.0	11.5
BHD-35	30 - 35	2.0	11.8
BHD-45	35 - 45	2.0	12.4
BHD-55	45 - 55	2.0	12.5
BHD-65	55 - 65	2.0	13.6

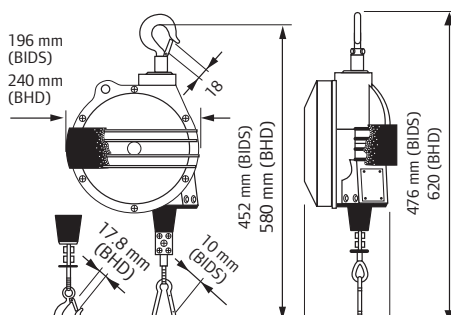
Super duty balancers

Model no.	Load capacity (kg)	Max. stroke (m)	Weight (kg)
BSD-20	15 - 20	2.5	19.0
BSD-30	20 - 30	2.5	19.8
BSD-40	30 - 40	2.5	20.8
BSD-50	40 - 50	2.5	23.9
BSD-60	50 - 60	2.5	25.4
BSD-70	60 - 70	2.5	26.8
BSD-80	70 - 80	2.5	27.8
BSD-90	80 - 90	2.5	28.8
BSD-100	90 - 100	2.5	35.6
BSD-120	100 - 120	2.5	38.8
BSD-140	120 - 140	2.5	41.8
BSD-150	130 - 150	2.5	44.5
BSD-165	150 - 165	2.5	48.2
BSDL-20	15 - 20	3.0	19.1
BSDL-25	20 - 25	3.0	19.9
BSDL-35	25 - 35	3.0	20.9
BSDL-45	35 - 45	3.0	23.8
BSDL-50	40 - 50	3.0	23.9
BSDL-60	50 - 60	3.0	25.3
BSDL-70	60 - 70	3.0	26.7
BSDL-80	70 - 80	3.0	28.0
BSDL-90	80 - 90	3.0	29.0
BSDL-100	90 - 100	3.0	36.8
BSDL-115	100 - 115	3.0	38.7
BSDL-130	115 - 130	3.0	39.9
BSDL-140	130 - 140	3.0	42.8
BSDL-150	140 - 150	3.0	45.6
BSDL-180	160 - 180	3.0	50.0

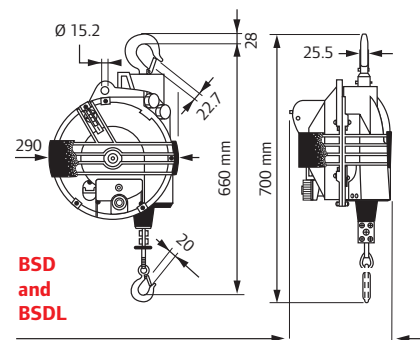
(1) Locking type balancer: sharp pull on the wire rope will lock it in position allowing attached load to be manipulated freely – without weight compensation. Pulling again will unlock the wire rope and resume weight compensation.



BMDS, BMDLN and BMDLLN



BIDS and BHD



BSD and BSDL

221 mm (BSD-20 to BSD-60 and BSDL-20 to BSDL-35)
270 mm (BSD-70 to BSD-100 and BSDL-45 to BSDL-100)
355 mm (BSD-120 to BSD-165 and BSDL-115 to BSDL-180)