



SPRING BALANCERS

LIGHT, MEDIUM, INTERMEDIATE, SUPER, & HOSE REEL - NEW & IMPROVED

IT'S ALL ABOUT BALANCE

When your load is on the line, count on the recently reimagined Spring Balancer series from Ingersoll Rand®. Available in a variety of sizes and capacities, these second-to-none accessories are equipped with upgraded safety features to better prevent potential load damage and workplace injuries while adjustments are being made. Plus, the series' newly improved ergonomics make operation easier and more comfortable than ever.

SAFETY INNOVATIONS AND ENHANCED ERGONOMIC UPGRADES

Safety:

As a premium safety accessory, the entire product family has been upgraded with enhanced safety features to ensure both the user and the user's load are better protected. Also, the addition of red safety caps in the BMDS, BMDLN and BMDLLN Series helps to absorb the impact of a possible collision as the balancer is moved on rails while also serving as a protection cap for the circlip and central pin.

Ergonomics:

Across the board, the series' upgraded ergonomics provide a more comfortable work environment for workers using tools in a highly repetitive motion. On the BLD series, the knob and casing design has been upgraded from 4 adjustment steps to 6 for an even smoother hand adjustment response. Plus, the BLD Series features a new rope mouth bushing to help reduce wear and a flat casing in the back of the balancer to assist with holding them together and stacking them to fit in even tighter spaces.

Durability:

This dynamically durable series of Spring Balancers effortlessly counters gravity to take away the weight of tools while in use. Additionally, the BMDS Series features an axial mounting circlip, which has been added to the front of the balancers to ensure greater resistance to impact. And, the BMDS Series' screw lock system has been upgraded to allow for re-beating. The simple system guarantees a high level of reliability for the balancers—even in the case of persistent vibrations or use in heavy duty environments.

ADAPABLE TO YOUR APPLICATION

Assembly Line



Manufacturing



MRO



WORTH ITS WEIGHT IN GOLD



Capacity Range:
 0.3-6.6 lbs (0.4-3 kg)
 2.2-5.5 lbs (1-8 kg)
 4.4-30 lbs (2-13.6 kg)
 8.8-55 lbs (4-25 kg)
 22-143 lbs (10-65 kg)
 33-363 lbs (15-165 kg)

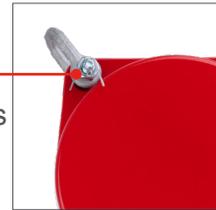
Weight Capacity Range:
 1.3 – 106 lbs (0.6 – 45.6 kg)

Stroke Range:
 5.2 ft (1.6 m) 6.5 ft (2 m)
 8.2 ft (2.5 m) 9.8 ft (3 m)

Safety caps (BMDS, BMDLN, BMDLLN Series) prevent collisions with other objects when balancer is moved on rails
 Axial mounting circlip (BMDS Series) ensures greater resistance to impact

Stainless steel cable provides durability

Screw lock system (BMDS Series) guarantees high level of reliability of balancers, even with persistent vibrations



New knob and casing design (BLD Series) provides better ergonomics for hand adjustments
 6 adjustment steps (BLD Series) versus previous model with 4 creates smoother response

New rope mouth bushing (BLD Series) reduces wear

Flat casing in back of balancer (BLD Series) allows for more flexibility in tight spaces



SPRING BALANCER SPECIFICATIONS

SPRING BALANCER FAMILIES

Model	Capacity lb (kg)	Weight lb (kg)	Lift ft (mm)	NPT in	CFM
Hose Reel					
BHR-8	0.9 - 1.7 (0.3 - 0.7)	2.57 (1.17)	4-1/4 (1,295)	1/4	18.4
BHR-15	44 - 66 (20 - 30)	2.6 (1.2)	4-1/4 (1,295)	1/4	18.4
BHR-25	66 - 88 (30 - 40)	2.9 (1.34)	4-1/4 (1,295)	1/4	18.4
Light Duty					
BLD1	0.9 - 2.2 (0.4 - 1)	1.3 (0.6)	5.2 (1,600)	-	-
BLD1/P	0.9 - 2.2 (0.4 - 1)	1.3 (0.6)	5.2 (1,600)	-	-
BLD2	2.2 - 4.4 (1 - 2)	1.3 (0.6)	5.2 (1,600)	-	-
BLD3	4.4 - 6.6 (2 - 3)	1.5 (0.7)	5.2 (1,600)	-	-
Medium Duty					
BMDS-2	2.2 - 5.5 (1 - 2.5)	4.4 (2.0)	6.5 (2,000)	-	-
BMDS-4	4.4 - 8.8 (2 - 4)	4.4 (2.0)	6.5 (2,000)	-	-
BMDS-6	8.8 - 13.2 (4 - 6)	5.1 (2.3)	6.5 (2,000)	-	-
BMDS-8	13.2 - 17.6 (6 - 8)	5.5 (2.5)	6.5 (2,000)	-	-
BMDLN-4	4.4 - 6.6 (2 - 3)	1.5 (0.7)	6.5 (2,000)	-	-
BMDLN-6	8.8 - 13.2 (4 - 6)	7.1 (3.2)	8.2 (2,500)	-	-
BMDLN-8	13.2 - 17.6 (6 - 8)	7.7 (3.5)	8.2 (2,500)	-	-
BMDLN-10	17.6 - 22 (8 - 10)	8.2 (3.7)	8.2 (2,500)	-	-
BMDLN-12	22 - 30 (10 - 13.6)	8.8 (4.0)	8.2 (2,500)	-	-
BMDLLN-4	4.4 - 8.8 (2 - 4)	6.6 (3.0)	8.2 (2,500)	-	-
BMDLLN-6	8.8 - 13.2 (4 - 6)	7.3 (3.3)	8.2 (2,500)	-	-
BMDLLN-8	13.2 - 17.6 (6 - 8)	7.9 (3.6)	8.2' (2500)	-	-
BMDLLN-10	17.6 - 22.0 (8 - 10)	8.4 (3.8)	8.2' (2500)	-	-
Intermediate Duty					
BIDS-7	8.8 - 15.4 (4 - 7)	5 (2.3)	6.5 (2,000)	-	-
BIDS-10	15.4 - 22 (7 - 10)	5.5 (2.5)	6.5 (2,000)	-	-
BIDS-14	22 - 30.8 (10 - 14)	5.5 (2.5)	6.5 (2,000)	-	-
BIDS-18	30.8 - 39.6 (14 - 18)	6.5 (2.9)	6.5 (2,000)	-	-
BIDS-22	39.6 - 48.4 (18 - 22)	6.5 (2.9)	6.5 (2,000)	-	-
BIDS-26	48.4 - 55 (22 - 25)	6.5 (2.9)	6.5 (2,000)	-	-
BHD-15	22 - 33 (10 - 15)	22.7 (10.3)	6.5 (2,000)	-	-
BHD-20	33 - 44 (15 - 20)	23.4 (10.6)	6.5 (2,000)	-	-
BHD-25	44 - 55 (20 - 25)	24.7 (11.2)	6.5 (2,000)	-	-
BHD-30	55 - 66 (25 - 30)	25.4 (11.5)	6.5 (2,000)	-	-
BHD-35	66 - 77 (30 - 35)	26 (11.8)	6.5 (2,000)	-	-
BHD-45	77 - 99 (35 - 45)	27.3 (12.4)	6.5 (2,000)	-	-
BHD-55	99 - 121 (45 - 55)	27.6 (12.5)	6.5 (2,000)	-	-
BHD-65	121 - 143 (55 - 65)	30 (13.6)	6.5 (2,000)	-	-
Super Duty					
BSD-20	33 - 44 (15 - 20)	41.9 (18.6)	8.2 (2,500)	-	-
BSD-30	44 - 66 (20 - 30)	43.7 (19.8)	8.2 (2,500)	-	-
BSD-40	66 - 88 (30 - 40)	45.9 (20.8)	8.2 (2,500)	-	-
BSD-50	88 - 110 (40 - 50)	52.7 (23.9)	8.2 (2,500)	-	-
BSD-60	110 - 132 (50 - 60)	56 (25.4)	8.2 (2,500)	-	-
BSD-70	132 - 154 (60 - 70)	59.1 (26.8)	8.2 (2,500)	-	-
BSD-80	154 - 176 (70 - 80)	61.3 (27.8)	8.2 (2,500)	-	-
BSD-90	176 - 198 (80 - 90)	63.5 (28.8)	8.2 (2,500)	-	-
BSD-100	198 - 220 (90 - 100)	78.5 (35.6)	8.2 (2,500)	-	-
BSD-120	220 - 265 (100 - 120)	85.3 (38.8)	8.2 (2,500)	-	-
BSD-140	265 - 309 (120 - 140)	92.2 (41.8)	8.2 (2,500)	-	-
BSD-150	287 - 330 (130 - 150)	98.1 (44.5)	8.2 (2,500)	-	-
BSD-165	330 - 363 (150 - 165)	106.3 (48.2)	8.2 (2,500)	-	-
BSDL-20	33 - 44 (15 - 20)	42.1 (19.1)	9.8 (3,000)	-	-
BSDL-25	44 - 55 (20 - 25)	43.9 (19.9)	9.8 (3,000)	-	-
BSDL-35	55 - 77 (25 - 35)	46.1 (20.9)	9.8 (3,000)	-	-
BSDL-45	77 - 99 (35 - 45)	52.5 (23.8)	9.8 (3,000)	-	-
BSDL-50	99 - 110 (40 - 50)	52.7 (23.9)	9.8 (3,000)	-	-
BSDL-60	110 - 132 (50 - 60)	55.8 (25.3)	9.8 (3,000)	-	-
BSDL-70	132 - 154 (60 - 70)	58.9 (26.7)	9.8 (3,000)	-	-
BSDL-80	154 - 176 (70 - 80)	61.7 (28.0)	9.8 (3,000)	-	-
BSDL-90	176 - 198 (80 - 90)	64 (29.0)	9.8 (3,000)	-	-
BSDL-100	198 - 220 (90 - 100)	81.1 (36.8)	9.8 (3,000)	-	-
BSDL-115	220 - 254 (100 - 115)	85.3 (38.7)	9.8 (3,000)	-	-
BSDL-130	254 - 286 (115 - 130)	88 (39.9)	9.8 (3,000)	-	-
BSDL-140	286 - 309 (130 - 140)	94.4 (42.8)	9.8 (3,000)	-	-
BSDL-150	309 - 330 (140 - 150)	100.6 (45.6)	9.8 (3,000)	-	-



Ingersoll Rand (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency.



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