

Aero-Motive® Balancers Enhance Productivity

It's a simple fact. Make a job easier to do, and you can do it better, faster, longer. Balancers and tool support systems by Woodhead improve the productivity of light assembly, packaging, and many other shop floor workers by keeping their tools out of the way when not needed. With balancers, workstations can be organized more efficiently by ensuring that tools are always in the right place. Expensive power tools suspended from balancers are safeguarded from being accidentally dropped onto the floor or onto other expensive products or equipment.

Selection Guide

When selecting a balancer, be sure that all items to be supported are considered: tools, drill bits, sockets, hoses, cable, etc. This Selection Guide is to be used only as a reference for non-ratchet lock devices. See the main pages for ratchet balancer specs. Actual selection depends on weight to be balanced and cable travel required.

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Always use a secondary support on overhead-mounted balancers to prevent the possibility of the balancer accidentally falling. See page 15 to select a secondary support chain.



Tool Positioner

model	weight range (kg)	travel (m)	weight range (lb)	travel (ft)
GM31	0.5 - 5.4	1.4	1.0 - 10.0	4.7

Retractors

model	weight range (kg)	travel (m)	weight range (lb)	travel (ft)
RB2	0.5 - 0.9	2.0	1.0 - 2.0	6.6
RB4	0.9 - 1.8	2.0	2.0 - 4.0	6.6
RF6	1.8 - 2.7	2.0	4.0 - 6.0	6.6
RF8	2.7 - 3.6	2.0	6.0 - 8.0	6.6
5F	0.4 - 2.3	2.4	1.0 - 5.0	8.0
10F	1.8 - 4.5	2.4	4.0 - 10.0	8.0
15F	3.6 - 6.8	2.4	8.0 - 15.0	8.0
22F	7.3 - 10.0	2.4	16.0 - 22.0	8.0

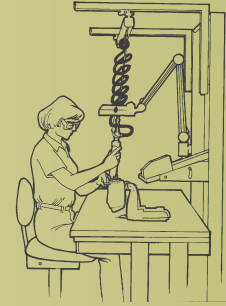
Balancers

model	weight range (kg)	travel (m)	weight range (lb)	travel (ft)
BF6	1.4 - 2.7	2.0	3.0 - 6.0	6.6
BF9	2.7 - 4.1	2.0	6.0 - 9.0	6.6
BF13	4.1 - 5.9	2.0	9.0 - 13.0	6.6
BF18	5.9 - 8.2	2.0	13.0 - 18.0	6.6
BF24	8.2 - 10.9	2.0	18.0 - 24.0	6.6
EB25000	8.2 - 11.4	2.0	18.0 - 25.0	6.6
EB35000	11.4 - 15.9	2.0	25.0 - 35.0	6.6
EB45000	15.9 - 20.5	2.0	35.0 - 45.0	6.6
EB48S00	15.9 - 21.8	1.5	35.0 - 48.0	4.9
EB60S00	20.5 - 27.3	1.5	45.0 - 60.0	4.9
10EA	2.3 - 5.0	1.8	5.0 - 11.0	6.0
20EA	5.0 - 9.0	1.8	11.0 - 20.0	6.0
30EA	9.0 - 14.0	1.8	20.0 - 31.0	6.0
40EA	13.0 - 18.0	1.8	29.0 - 40.0	6.0
20JA	6.0 - 11.0	2.1	13.0 - 25.0	7.0
30JA	11.0 - 16.0	2.1	24.0 - 35.0	7.0
40JA	13.0 - 20.0	2.1	29.0 - 45.0	7.0
50JA	18.0 - 25.0	2.1	40.0 - 55.0	7.0
70JA	24.0 - 32.0	2.1	53.0 - 70.0	7.0
80JA	31.0 - 39.0	2.1	68.0 - 86.0	7.0
90JA	36.0 - 41.0	2.1	79.0 - 90.0	7.0
100JA	40.0 - 45.0	2.1	88.0 - 100.0	7.0
110KA	38.0 - 52.0	2.1	84.0 - 115.0	7.0
120KA	52.0 - 57.0	2.1	115.0 - 126.0	7.0
134KA	56.0 - 66.0	2.1	124.0 - 146.0	7.0
156KA	65.0 - 75.0	2.1	143.0 - 165.0	7.0
170KA	72.0 - 79.0	2.1	159.0 - 175.0	7.0
192KA	79.0 - 91.0	2.1	174.0 - 200.0	7.0
220KA	91.0 - 100.0	1.8	200.0 - 221.0	6.0
240KA	100.0 - 110.0	1.8	221.0 - 243.0	6.0
210LA	79.0 - 95.0	2.1	174.0 - 210.0	7.0
230LA	95.0 - 107.0	2.1	209.0 - 236.0	7.0
250LA	106.0 - 113.0	2.1	234.0 - 250.0	7.0
260LA	113.0 - 120.0	2.1	249.0 - 265.0	7.0
280LA	120.0 - 127.0	2.1	265.0 - 280.0	7.0
290LA	127.0 - 132.0	2.1	280.0 - 291.0	7.0
300LA	131.0 - 136.0	2.1	289.0 - 300.0	7.0
330LA	136.0 - 150.0	1.5	300.0 - 331.0	5.0
350LA	150.0 - 159.0	1.5	330.0 - 350.0	5.0
370LA	163.0 - 168.0	1.5	350.0 - 370.0	5.0

Positioner

- Supports weight mid-stroke
- Must lift tool to upper position
- Support up to 4.5 kg/10 lb

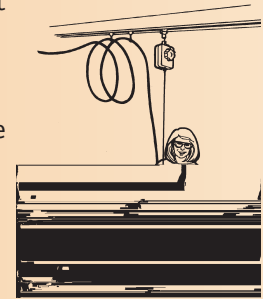
Positioners use an adjustable friction brake to support the weight of the suspended tool or object. The object can be placed in any position within the cable travel range and it will remain in that position. The object can be moved downward with very little effort, depending on the adjustment; however, the full weight of the object must be lifted to move it upward.



Retractors

- Retracts tools to upper position
- Light force to hold mid-stroke
- Retract up to 10 kg/22 lb

Retractors are designed to retract the cable when no force is applied. An amount of downward force must be continually applied to keep the suspended object at its extended position. The torque output of the rewind spring increases as the cable is extended, retracting the suspended object to the uppermost adjusted position when released.



Balancers

- Balances tool in any position
- Very little effort to move tool
- Balance up to 168 kg/370 lb

Balancers allow the worker to move the suspended tool or object up or down with very little effort. Depending on the spring adjustment, object will remain in position or retract when no force is applied. With a spiral groove on a tapered drum, the winding radius is increased to match the torque buildup of the spring, thus neutralizing it and achieving a balance condition.

