

Ergobalancer

The Ergobalancer is a manually controlled and pneumatically driven manipulator with an electronic control that automatically balances any load to a "weightless" condition. The load can conveniently be moved, quickly and with great accuracy, to any position within the operating area of the arm.

Function

The Ergobalancer has no buttons or levers and does not need any time consuming adjustments for different loads. Even if the load is changing during handling, it is perfectly balanced at all times. The operator can move the floating load in any direction (vertically or horizontally) just by pushing or pulling it in the desired direction. The control is so simple and logical, that anyone using it will achieve high speed and safety in a matter of minutes.



Safety

A brake prevents uncontrolled movements of the arm if the load is inadvertently lost, incorrectly handled, failure of the control system etc. Special valves keep the arm still in case of electricity or compressed air failure.

Design

The Ergobalancer is available in two models, Type BA and Type BB. The choice of model depends upon several factors, such as ceiling height, reach in/reach under needs etc. Please consult ERGOFLEX for advice. The ERGOBALANCER is also available with a manual balancing system where the loads are preset, or with a handle by which the lifting speed is steplessly regulated.

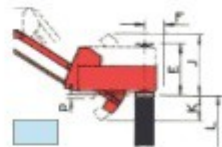
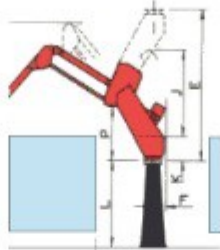
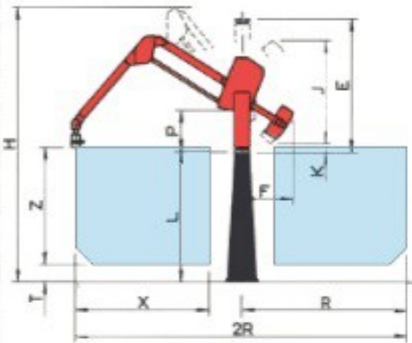
Technical Data Ergobalancer BA

Ergobalancer Type BA is mechanically built as Ergolift Type MA. The difference is in how to operate the manipulator. The lifting and the lowering of the arm system is operated automatically by means of an electronic control.

TYPE BA

TYPE BA E

TYPE BA SE



Type	Max. Load (lbs)	Max. Off-Center Load (ft lbf)	R	X	Z	T	L	H	E	F*)	J	K	P	Max. Lifting Speed (inches/sec.)
MA60	130	144	106.5	85.4	74.8	4.5	83	172	67.3	23	-	-	19.8	12
MA80	175	180	86.4	69.3	59	9.6	69	148	67.3	23	-	-	19.8	10
MA75	165	216	118.3	95.1	84.6	1	90	186	67.3	34	63	1.6	19.8	11
MA75E	165	216	137.4	95.1	84.6	1.4	77	186	95.7	23	63	12.6	33.9	11
MA75SE	165	216	157.1	95.1	84.6	1.6	108	186	32.9	23	44	18.9	3.5	11
MA110	240	360	86.4	69.3	59	9.6	69	148	67.3	34	63	1.6	19.8	10
MA110E	240	360	105.5	69.3	59	12	57	150	95.7	23	63	12.6	33.9	10
MA110SE	240	360	125.2	69.3	59	6.3	83	145	32.9	23	44	18.9	3.5	10
MA150	330	580	118.3	95.1	84.6	1	90	186	67.3	34	63	1.6	19.8	11
MA150E	330	580	137.4	95.1	84.6	1.6	77	186	96	23	63	12.6	34	11
MA150SE	330	580	157.1	95.1	84.6	1.8	108	186	33.6	23	44	18.9	3.3	11
MA200	440	580	93.7	75.4	65	2.8	69	152	67.3	34	63	1.6	19.8	10
MA200E	440	580	112.8	75.4	65	5.3	57	154	96	23	63	12.6	34	10
MA200SE	440	580	132.5	75.4	65	7.5	90	156	33.6	23	44	18.9	3.3	10
MA260	575	580	74	59	49.2	9.6	57	130	67.3	34	63	1.6	19.8	8
MA260E	575	580	93.1	59	49.2	10.2	43	130	96	23	63	12.6	34	8
MA260SE	575	580	112.8	59	49.2	4.5	69	124	33.6	23	44	18.9	3.3	8

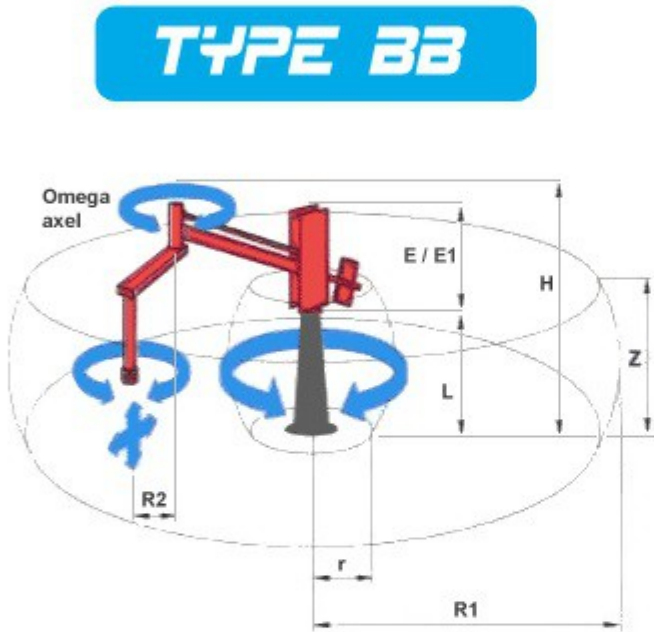
Dimensions in inches.

Technical Data Ergobalancer BB

Ergobalancer Type BB is vertically and horizontally balanced and designed to operate in very low ceiling heights.

The Ergobalancer has no push buttons or levers and does not need any time consuming adjustments for different loads. This is operated automatically by the electronic control system.

The shape of the outer arm is always designed after the specific handling need i.e. the angle of the outer arm is customized. The omega axis is always equipped with a pneumatic parking brake for secured handling. Counter weight balancing of the arm is standard.



TYPE	MAX LOAD LBS.	R	r	Z
BB 60	130	110.2	19.7	63
BB 90	200	110.2	19.7	63
BB 150	330	110.2	19.7	63
BB 240	525	110.2	19.7	63

Dimensions in inches.