



**Aero-Motive® KA Balancers, equipped with two power springs, are the work-horses of heavy industrial tool supports. Tools attached to KA Balancers become almost weightless in the hands of operators, allowing maximum freedom to work more efficiently and reduce fatigue throughout work shifts, leading to increased productivity**

Balancers are devices designed to provide constant tension throughout the specified active cable travel. A true balance condition is achieved through precise power-spring tension control and a unique cable drum design which matches the torque build-up from the power spring.

### Features and Benefits

Containerized power spring	Provides safe handling, best-in-class ergonomics and increased life cycles
Units equipped with a de-clutching hub	Prevents power spring damage even if spring is reverse wound
High-pressure Aluminum casted housings	Protects spring and drum within Heavy-Duty Industrial environments
Cable Drum coated with Wear Guard® epoxy	Eliminates the need for cable lubrication and extends cable life in service
Vertical tension +/- adjustment can be operated using off-the-shelf general tools	Facilitates easy tension adjustment depending on weight of tool being supported
Standard versions fitted with 7x19 stranded, 5mm thickness preformed aircraft cable. Alternative cable options on request	Increased durability for heavy-duty environments
Robust 360° rotating swivel hanger, secured in place by cotter pin. Bullard hook upper mounts with spring-loaded latch available on request	Provides a full range-of-motion Enhances security of balancer and tool in heavy-duty environments Enables quick and easy installation
Equipped with Automatic Safety Lock	Prevents tool or load from falling in event unit loses tension or power-spring breaks
Equipped with Manual Safety Lock to secure cable in position	Facilitates quick and safe tool changeover without risk of cable fly-back
Unique roller cable guide	Limits wear and tear on wire rope
Easy cable change-over feature	Minimizes down-time; unit does not have to be taken out of service for cable changes
Unit supplied pre-fitted with safety chain	Provides secondary fall protection for added security
Tools attached using industrial-grade eye hook with a spring-loaded latch. Bullard hooks with 360° swivel motion available on request	Prevents tools from becoming unhooked for increased security Simplifies attachment and removal of tools

## AERO-MOTIVE® Balancers Heavy Industrial Duty

130172 KA Model



KA Model Balancer and Trolley Application

### Applications

#### General Industrial

Manufacturing / assembly facilities

Portable tools

Electric tools

Mechanical tools

Pneumatic tools

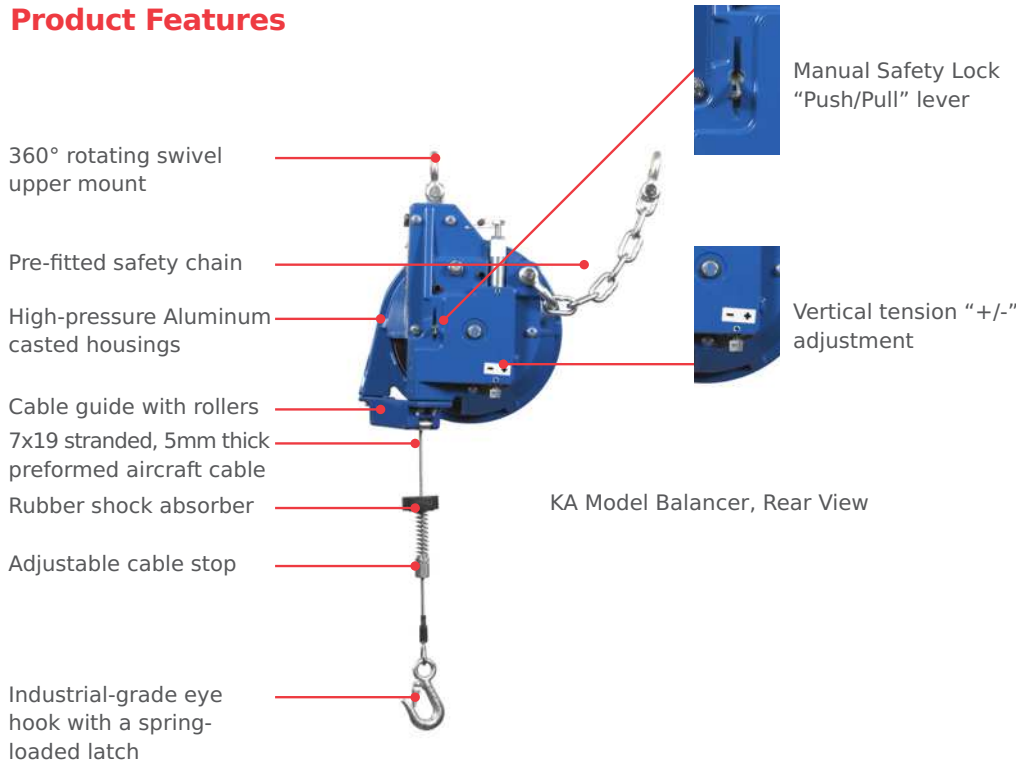
Cabling and hoses

## General Specifications

Model	Height		Weight		Width		Depth	
	mm	inch	kg	lb	mm	inch	mm	inch
KA	380	15	340	13	490	19	28	62

Specifications for reference only [ $\pm 10\%$ ]. Subject to change without notice.

## Product Features



## AERO-MOTIVE® Balancers Heavy Industrial Duty

130172 KA Model



KA Model Balancer, Front View

## Ordering Information

Model*	Order No.	Weight Range (kg)	Weight Range (lb)	Cable Travel	Manual Safety Lock	Automatic Safety Lock	Serviceable
110KA	130172-0026	38 - 52	84 - 115	2.1 (7.0ft.)	Yes	Yes	Yes
125KA	130172-0785	52 - 57	115 - 125				
145KA	130172-0786	56 - 66	124 - 145				
165KA	130172-0787	65 - 75	143 - 165				
175KA	130172-0788	72 - 79	159 - 175				
200KA	130172-0098	79 - 91	175 - 200				
240KA	130172-0124	91 - 110	200 - 240				

\*Options including Upper Shackle Mounts, Special Cable Assemblies etc. are available. Refer to Balancer Options Table. Simply add proper suffix to Model numbers in above table.

Example: 100KA Balancer equipped with 'Lower Bullard Hook' and 'Wire Clips Cable Assembly' = 100KABC



Aero-Motive® KA Balancers with Remote Lock feature enable workers or maintenance engineers to speedily block or unblock the cable drum, which is under constant tension, preventing cable fly-backs while performing quick change-overs. The main applications are welding control boxes where constant input changes are performed daily and there is a need to easily move the control box upwards and downwards and lock in place.

### Features and Benefits

KA model with Remote Lock is unchanged from standard KA model except for the Manual Lock feature which is controlled via a Remote Lock

Safety Lock can be engaged or disengaged remotely via a cam/lever arm which is conveniently operated via chains with handle at floor level rather than at the height where balancer is mounted

Handle chain length can be adjusted to match unit installation height

Remote Lock Cam and Lever attached to Chains



## AERO-MOTIVE® Balancers Heavy Industrial Duty

130172 KA Model with Remote Lock



KA Model Balancer with Remote Lock Feature operated by handle and chain

### General Specifications

Model	Height		Weight		Width		Depth	
	mm	inch	kg	lb	mm	inch	mm	inch
KA-RL	380	15	340	13	490	19	32	70

Dimensions for Reference Only [±10%]. Subject to change without notice.

### Ordering Information

Model*	Order No.	Weight Range (kg)	Weight Range (lb)	Travel	Manual Safety Lock	Automatic Safety Lock	Serviceable
110KA-RL	130172-0791	38 - 52	84 - 115	2.1 (7.0ft.)	Yes operated by Remote Lock feature	Yes	Yes
125KA-RL	130172-0792	52 - 57	115 - 125				
145KA-RL	130172-0793	56 - 66	124 - 145				
165KA-RL	130172-0794	65 - 75	143 - 165				
175KA-RL	130172-0795	72 - 79	159 - 175				
200KA-RL	130172-0796	79 - 91	175 - 200				
240KA-RL	130172-0797	91 - 110	200 - 240				

\*Options including Upper Shackle Mounts, special cable assemblies etc. are available.

Please refer to the Balancer Options Table. For details. Simply add proper suffixes to KA Model numbers in above table

Balancers with Cable Arrest feature are designed to enhance safety and eliminate cable fly-back caused by cable failures or tool detachments which could cause unsafe work conditions for workers or maintenance professionals. In some countries this feature is mandatory.

## AERO-MOTIVE® Balancers Heavy Industrial Duty

130172 KA Model with Cable Arrest

### Features and Benefits

KA model with Remote Lock is unchanged from standard KA model except for additional Cable Arrest

Cable Arrest feature is designed such that maintenance can be performed with ease using Aero-Motive® repair parts to maintain integrity of unit

Units equipped with Cable Arrest can be easily visually identified on the plant floor by a Nickel-plated ring

### General Specifications

Model	Height		Weight		Width		Depth	
	mm	inch	kg	lb	mm	inch	mm	inch
KA-CA	380	15	340	13	490	19	32	70

Dimensions for Reference Only [ $\pm 10\%$ ]. Subject to change without notice.



KA Model Balancer  
with Cable Arrest

### Ordering Information

Model*	Order No.	Weight Range (kg)	Weight Range (lb)	Cable Travel	Manual Safety Lock	Automatic Safety Lock	Cable Arrest Feature	Serviceable
110KA-CA	130172-0798	38 - 52	84 - 115	2.1 (7.0ft.)	Yes operated by Remote Lock feature	Yes	Yes	Yes
125KA-CA	130172-0799	52 - 57	115 - 125					
145KA-CA	130172-0800	56 - 66	124 - 145					
165KA-CA	130172-0801	65 - 75	143 - 165					
175KA-CA	130172-0802	72 - 79	159 - 175					
200KA-CA	130172-0803	79 - 91	175 - 200					
240KA-CA	130172-0804	91 - 110	200 - 240					

\*Options including Upper Shackle Mounts, special cable assemblies etc. are available. Please refer to the Balancer Options Table for details. Simply add proper suffixes to KA Model numbers in above table