



Compact, ergonomic and cost-effective balancers are streamlined to fit virtually any work space, improve productivity by keeping tools organized and safeguard expensive power tools from possible accidents with superior suspension features

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. Tools attached to Aero-Motive® 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.

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 with spring-loaded latch upper mounts 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 for Heavy Industrial Duty

130172 JA Model



JA Model Balancer and Trolley Application

Applications

General Industrial

Manufacturing / assembly facilities

Portable tools

Electric Tools

Mechanical Tools

Pneumatic Tools

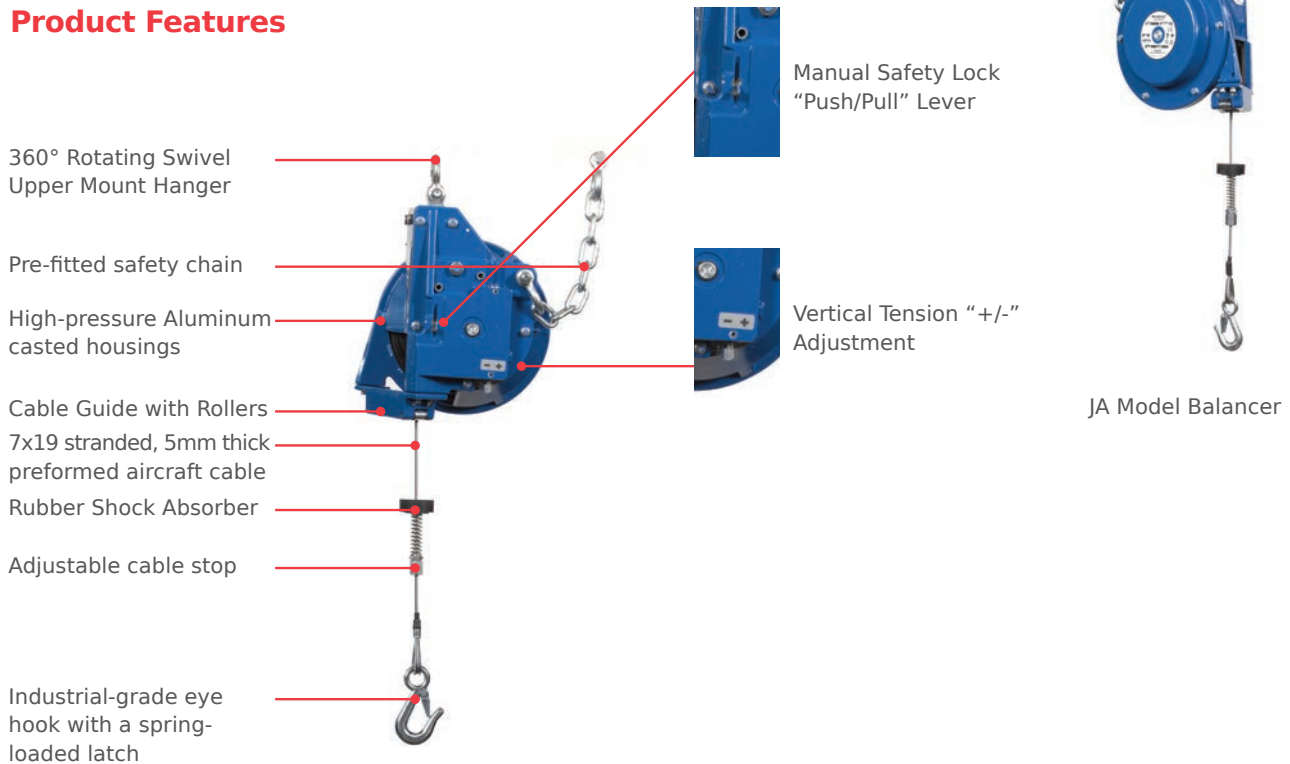
Cabling and Hoses

General Specifications

Model	Height		Weight		Width		Depth	
	mm	inch	kg	lb	mm	inch	mm	inch
JA	370	15	345	14	495	20	17.5	38

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

Product Features



AERO-MOTIVE® Balancers for Heavy Industrial Duty

130172 JA Model

Ordering Information

Model*	Order No.	Weight Range (kg)	Weight Range (lb)	Cable Travel	Ratchet Lock	Automatic Safety Lock	Serviceable
20JA	130172-0106	6.0 - 11.0	13 - 25	2.1 (7.0ft.)	Yes	Yes	Yes
30JA	130172-0157	11.0 - 16.0	24 - 35				
40JA	130172-0189	13.0 - 20.0	29 - 45				
50JA	130172-0199	18.0 - 25.0	40 - 55				
60JA	130172-0210	25.0 - 30.0	55 - 65				
70JA	130172-0221	24.0 - 32.0	53 - 70				
80JA	130172-0241	31.0 - 39.0	68 - 86				
90JA	130172-0296	36.0 - 41.0	79 - 90				
100JA	130172-0015	40.0 - 45.0	88 - 100				

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

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



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

JA model with Remote Lock is unchanged from standard JA Series except for the Manual Safety 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 for Heavy Industrial Duty

130172 JA Model with Remote Lock



JA Model Balancer with Remote Lock operated by handle and chain

General Specifications

Model	Height		Weight		Width		Depth	
	mm	inch	kg	lb	mm	inch	mm	inch
JA-RL	370	15	345	14	495	20	18	40

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

Ordering Information

Model*	Order No.	Weight Range (kg)	Weight Range (lb)	Cable Travel	Manual Safety Lock	Automatic Safety Lock	Serviceable
20JA-RL	130172-0639	6.0 - 11.0	13 - 25	2.1 (7.0ft.)	Yes Operated by Remote Lock	Yes	Yes
30JA-RL	130172-0768	11.0 - 16.0	24 - 35				
40JA-RL	130172-0769	13.0 - 20.0	29 - 45				
50JA-RL	130172-0770	18.0 - 25.0	40 - 55				
60JA-RL	130172-0771	25.0 - 30.0	55 - 65				
70JA-RL	130172-0772	24.0 - 32.0	53 - 70				
80JA-RL	130172-0773	31.0 - 39.0	68 - 86				
90JA-RL	130172-0774	36.0 - 41.0	79 - 90				
100JA-RL	130172-0640	40.0 - 45.0	88 - 100				

*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 JA 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 for Heavy Industrial Duty

130172 JA Model with Cable Arrest

Features and Benefits

JA model with Cable Arrest is unchanged from standard JA Model except for additional cable arrest

Cable Arrest 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 plate ring

General Specifications

Model	Height		Weight		Width		Depth	
	mm	inch	kg	lb	mm	inch	mm	inch
JA-CA	370	15	345	14	495	20	18	40

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



JA 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
20JA-CA	130172-0759	6.0 - 11.0	13 - 25	2.1 (7.0ft.)	Yes Operated by Remote Lock	Yes	Yes	Yes
30JA-CA	130172-0760	11.0 - 16.0	24 - 35					
40JA-CA	130172-0761	13.0 - 20.0	29 - 45					
50JA-CA	130172-0762	18.0 - 25.0	40 - 55					
60JA-CA	130172-0763	25.0 - 30.0	55 - 65					
70JA-CA	130172-0764	24.0 - 32.0	53 - 70					
80JA-CA	130172-0765	31.0 - 39.0	68 - 86					
90JA-CA	130172-0766	36.0 - 41.0	79 - 90					
100JA-CA	130172-0767	40.0 - 45.0	88 - 100					

*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 JA Model numbers in above table