

Versatile Float Capability

AIR



COFFING[®]
HOISTS

BALANCE



Take To The Air

With The Coffing® Air Balancer

TO HOIST... OR BALANCE?

Because the Coffing Air Balancer offers a float capability, positioning of materials is easily accomplished. This makes the balancer ideal for applications that require relatively fast movement and accurate positioning. A hoist, on the other hand, has fixed stop positions with no float. Therefore, accuracy of positioning depends on lifting speed and operator dexterity. Applications particularly suited to the Coffing Air Balancer include palletizing and stacking, pick and place, load and unload. The float capability is especially valuable for tool balancing and assembly.

CAPACITY — 500 Lbs. **EFFORT** — Minimal.

AIR PRESSURE — Only 90 psi (6 bar) required for rated capacity.

Engineered for applications that require precise positioning or repetitive transferring of loads as heavy as 500 lbs. (600 lbs. for double reeved models). By making loads virtually weightless, the Coffing Air Balancer increases employee productivity, reduces fatigue, and alleviates risk of cumulative trauma disorder. Operators can lift and position loads precisely, time after time, regardless of personal strength.

VERSATILE FLOAT CAPABILITY

Once the load is positioned at the desired elevation, the Coffing Air Balancer provides float capability. For units with pendant control, the float is 8 inches up and down. For units with balance control, float is the entire working range. The float feature allows the operator to position the load easily and precisely by hand.

100% DUTY CYCLE

Due to the operation of its pneumatic power source, there is no limit to the number of start/stop cycles the Coffing Air Balancer can perform. The resulting performance allows for reliable productivity.

LOST LOAD PROTECTOR*

Because protection from injury due to loss of an unsupported load is one of the industry's most vital concerns, the Coffing Air Balancer features the Lost Load Protector. Should the load be released accidentally, the control system immediately stops the rapid upward movement of the chain and attachments, thus preventing possible injury to the operator.

LOCK OUT-TAG OUT DEVICE*

An additional safety feature is the Lock Out-Tag Out Device. If the balancer should malfunction, sustain damage, or require maintenance, the device can be set to prevent the compression of air in the cylinder, making it impossible to operate the balancer. The balancer can be returned to service by resetting/reinstalling the device.



**Handshake-Style
Pendant Control**

PRESSURE COMPENSATED FLOW CONTROL DEVICE*

The Pressure Compensated Flow Control maintains the balancer's lifting speed through light fluctuations in the supply air pressure—no matter how light or heavy the load. This consistent performance results in measurable productivity.

ADDITIONAL COFFING AIR BALANCER FEATURES

- True vertical chain travel.
- Chain lift medium, unlike wire rope, won't spin or fray. Chain also provides flexibility and longevity.
- Exclusive 18-pocket, oblique lay liftwheel assures smooth balancer operation.
- Lower hook swivels, allowing the operator to rotate the load without twisting the chain.
- Convenient built-in air supply port for hook-up to air powered end tools.
- Can be double reeved, increasing the ultimate capacity to 600 lbs. (272 kgs.). 500 lb. (228 kgs.) models—single reeved only.
- Single reeved units have vertical working range up to 80 inches (2032 mm). Double reeved units have 40 inches (1016 mm). Extended working range up to 130 inches (3302 mm) available on units through 300 lbs. (136 kgs.).
- Ergonomically designed handshake-style pendant control keeps wrist and thumb in a neutral position.
- Ball bearings at all rotating points.
- Adjustable lowering speed.
- Standard control hose length is 9 feet (2.7 mm). External strain relief for control hose—standard.
- Lifetime Warranty.
- Made in USA.

SINGLE REEVED CAPACITIES

120 Lbs. / 55 Kgs. 200 Lbs. / 91 Kgs.
300 Lbs. / 136 Kgs. 500 Lbs. / 228 Kgs.

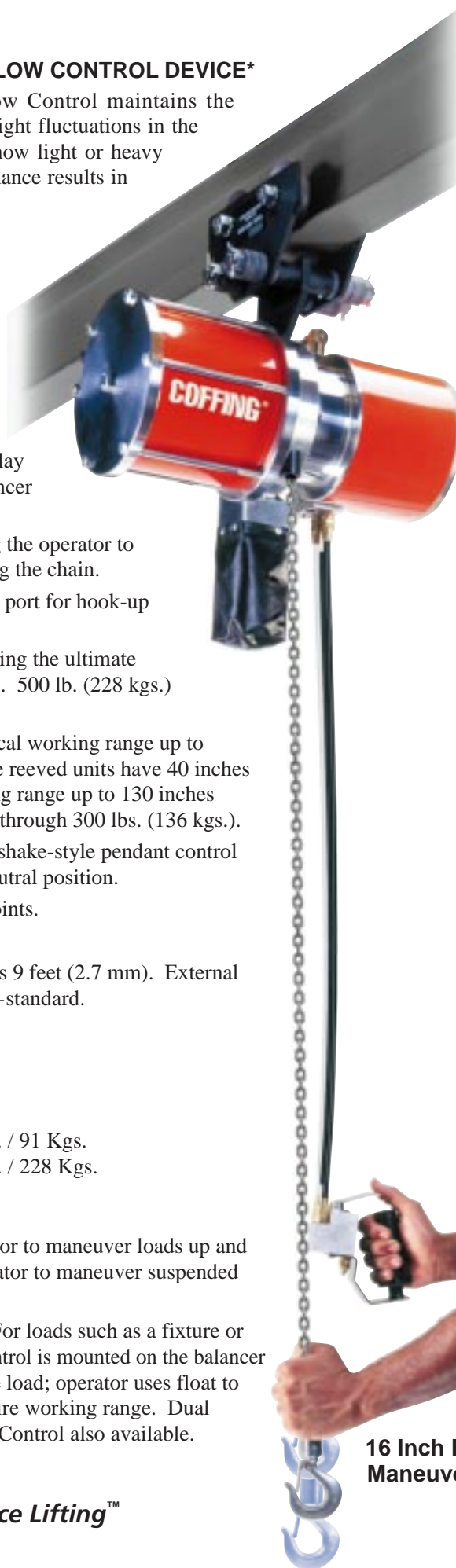
CONTROL OPTIONS

Pendant Control - Allows operator to maneuver loads up and down. 16 inch float enables operator to maneuver suspended load manually.

Single Load Balance Control - For loads such as a fixture or tool used on a production line. Control is mounted on the balancer and set by operator to suspend the load; operator uses float to maneuver load manually over entire working range. Dual Load and Multiple Load Balance Control also available.

* Patent Pending

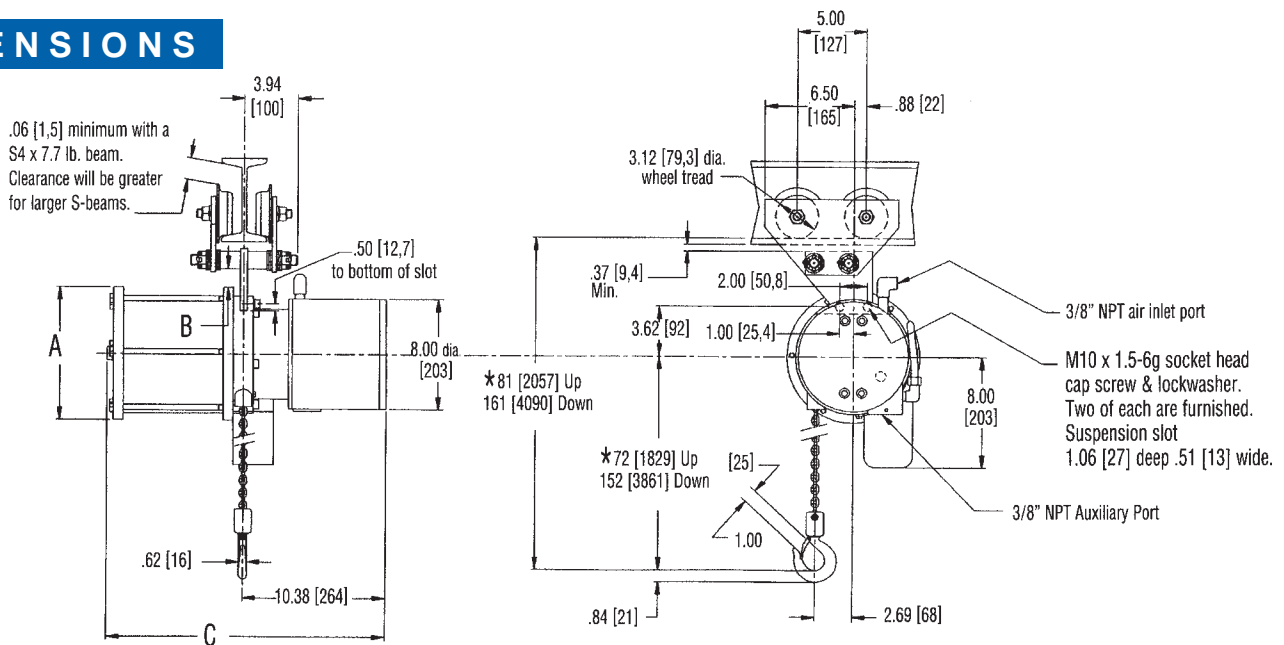
High Performance Lifting™



Swiveling Hook

16 Inch Float for Maneuverability

DIMENSIONS



	120	200	300	500
A dia. in inches (mm)	7.75 (197)	9.63 (245)	11.63 (296)	11.63 (296)
B in inches (mm)	2.00 (51)	1.38 (35)	.38 (10)	.38 (10)
C in inches (mm)	20.33 (517)	20.33 (517)	20.45 (520)	31.0 (787)

* Nominal dimension based on the standard length of chain supplied with the Coffing Air Balancer. The chain may be shortened by the customer.

Dimensions are in inches (mm).
90 psi air (6 bar) input is required to operate at the rated capacity.
Color: Red tubes with aluminum center and end plates.

SPECIFICATIONS

MODEL	120		200		300		500
Capacity in lbs. (kgs.)	120 (55)	120 (55)	200 (91)	200 (91)	300 (136)	300 (136)	500 (228)
Product Code	17101	17102	17103	17104	17105	17106	17107
Control Options	Pendant	Balance Control	Pendant	Balance Control	Pendant	Balance Control	Pendant
Working Range in Inches (mm)*	80 (2032)	80 (2032)	80 (2032)	80 (2032)	80 (2032)	80 (2032)	80 (2032)
Reach in Inches (mm)**	144 (3658)	144 (3658)	144 (3658)	144 (3658)	144 (3658)	144 (3658)	144 (3658)
Net Weight in Lbs. (kgs.)***	60 (27)	60 (27)	68 (31)	68 (31)	84 (38)	84 (38)	98 (45)

* Working Range: Vertical lift from the hook in the lowest position to the hook in the highest position.

** Reach: Vertical distance from the bottom of the air balancer to the hook in the lowest position. Actual reach may be adjusted at installation and under no circumstances should be less than 84 inches (2134 mm).

*** Weights listed are for units with pendant controls and do not include the Low Headroom Trolley or suspension plate. For units with balance control, reduce the listed weights by 4 lbs. (1.8 kgs.).

NOTE: Adapter bracket or hook mount ordered separately. Adapter bracket #17150 included with Coffing Air Balancer Low Headroom Trolley.

WARNING

Overloading and Improper Use Can Result In Injury

To Avoid Injury:

- Do not exceed working load limit, load rating, or capacity.
- Do not use to lift people or loads over people.
- Use only alloy chain and attachments for overhead lifting.
- Read and follow all instructions.

COFFING[®]

HOISTS

COFFING AIR BALANCER LOW HEADROOM TROLLEY

The Low Headroom Trolley is optional and must be ordered as an additional item for the Coffing Air Balancer. Other suspensions systems are available. Includes Coffing adapter bracket #17150.

Capacity in Lbs. (kgs.)	500 (228)
Product Code	17155
Beam Flange Width Range in Inches (mm)	2 5/8 through 5 5/8 (66 through 123)
Minimum Radius Curve in Inches (mm)	24 (609)