

RKBA Reeved Cable Air Balancer Series



Air Balancers are used in applications where a "float" condition is beneficial. Float allows for the hands-free final positioning of an object. The up/down speed of a air balancer is quicker when compared to a hoist and allows for a "feathering" operation when locating the load. The pendant controls are ergonomically designed incorporating color coded thumb levers. Reeving a air balancer increases the mechanical advantage of the product.

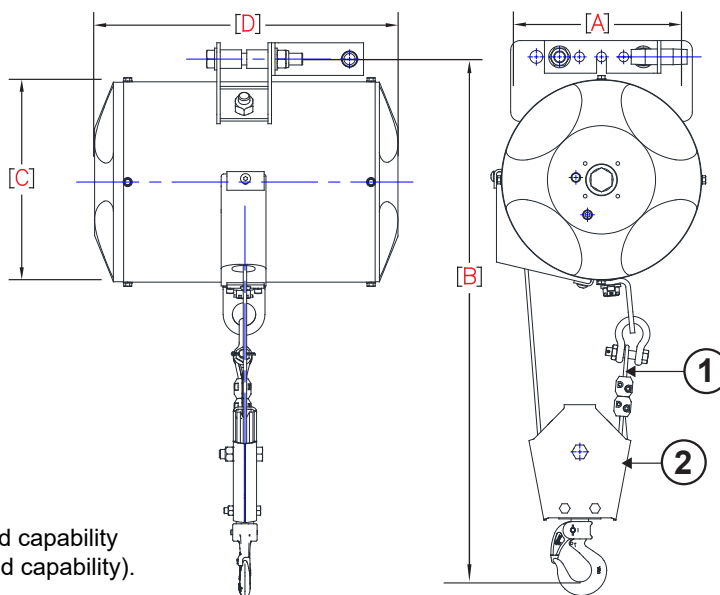
Additionally the reeve and pulley offers a second suspension point which gives greater stability to the load. Reeved air balancers come standard with a 1 ton spring lock bail hook.

Reeved Cable Air Balancers use a carbon steel Galvanized Independent Wire Rope Core (GIWRC) with a minimum breaking strength of 1815 kg (4000 lbs) and an actual test breaking load of 2687 kg (5923 lbs.). The 1/4" (6.35 mm) cable has a minimum breaking strength of 3175 kg (7000 lbs.).

RKBA CABLE SERIES SPARE PARTS			
2	1	BPA2065	REEVED HOOK CABLE PULLEY
1	1	BPD2030	CABLE
DET	QTY	PART #	DESCRIPTION

Formula for Air Balancer sizing:

Example: plant air 80 psi, 350 air balancer, 80% load capability
 $(0.80 \text{ air supply} \times 350 \text{ lbs.} = 280 \times .80 = 224 \text{ lbs. load capability}).$



Rated at 100 PSI							
MODEL #	RATED CAPACITY lbs [kg]	TRAVEL in [mm]	(A) in [mm]	(B) (min.) in [mm]	(C) in [mm]	(D) in [mm]	UNIT WEIGHT lbs [kg]
RKBA450-036	450 [204]	36 [914]	8 1/2 [216]	23 [584]	6 1/2 [165]	15 1/2 [394]	65.5 [29.71]
RKBA450-055	450 [204]	55 [1,397]	10 3/4 [273]	28 [711]	10 3/4 [273]	16 1/2 [419]	92.5 [41.96]
RKBA700-036	700 [318]	36 [914]	8 3/4 [222]	28 [711]	8 3/4 [222]	16 3/4 [426]	80.5 [36.51]
RKBA1000-040	1,000 [454]	40 [1,016]	9 3/4 [248]	28 [711]	10 3/4 [273]	16 1/2 [419]	116.5 [52.84]
RKBA1400-027	1,400 [635]	27 [686]	9 3/4 [248]	28 [711]	10 3/4 [273]	21 13/16 [554]	95.5 [43.32]

**** Knight recommends the use of a high performance, extreme pressure, anti-wear food grade penetrating oil that penetrates and lubricates cable and all types of moving parts. (Lubri-Link-Green®)**

