

KBA Cable Air Balancer Series



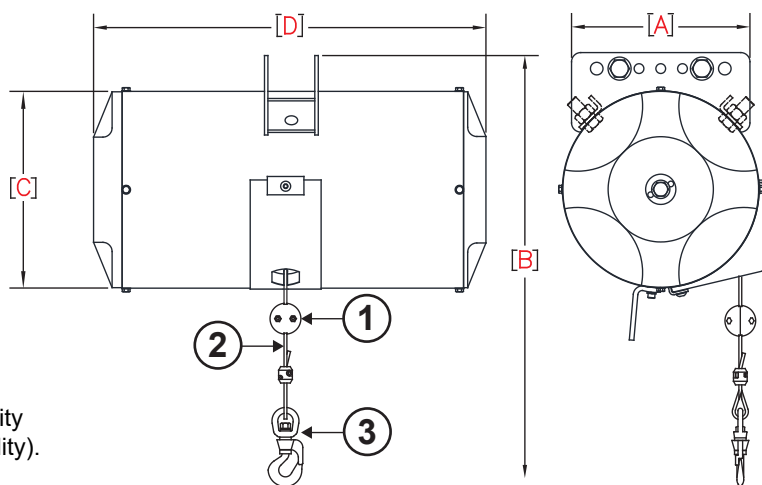
Air Balancers are used in applications where a "float" condition is beneficial. Float allows for the hands-free final positioning of an object. The up/down speed of a air balancer is quicker when compared to a hoist and allows for a "feathering" operation when locating the load. The pendant controls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

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.).

KBA CABLE SERIES SPARE PARTS				
3	1	BPA2020	CABLE HOOK ASSEMBLY	
2	1	BPD2030	CABLE	
1	1	BPA2009	TRAVEL LIMIT INDICATOR	
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]
KBA150-076	150 [68]	76 [1,930]	8 1/2 [216]	16 1/2 [419]	6 1/2 [165]	15 1/2 [394]	48.0 [22]
KBA225-073	225 [102]	73 [1,854]	8 1/2 [216]	18 1/4 [463]	8 3/4 [222]	16 3/4 [426]	59.0 [27]
KBA225-110	225 [102]	110 [2,794]	9 3/4 [248]	21 [533]	10 3/4 [273]	16 3/4 [426]	90.0 [41]
KBA350-073	350 [159]	73 [1,854]	9 3/4 [248]	21 [533]	10 3/4 [273]	16 3/4 [426]	74.0 [33]
KBA450-054	450 [204]	54 [1,371]	8 1/2 [216]	22 1/4 [541]	8 5/8 [219]	20 13/16 [528]	73.0 [33]
KBA500-080	500 [227]	80 [2,032]	9 3/4 [248]	21 [533]	10 3/4 [273]	21 13/16 [554]	112.0 [51]
KBA700-054	700 [318]	54 [1,372]	9 3/4 [248]	21 [533]	10 3/4 [273]	21 13/16 [554]	89.0 [40]

**** 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®)**

