

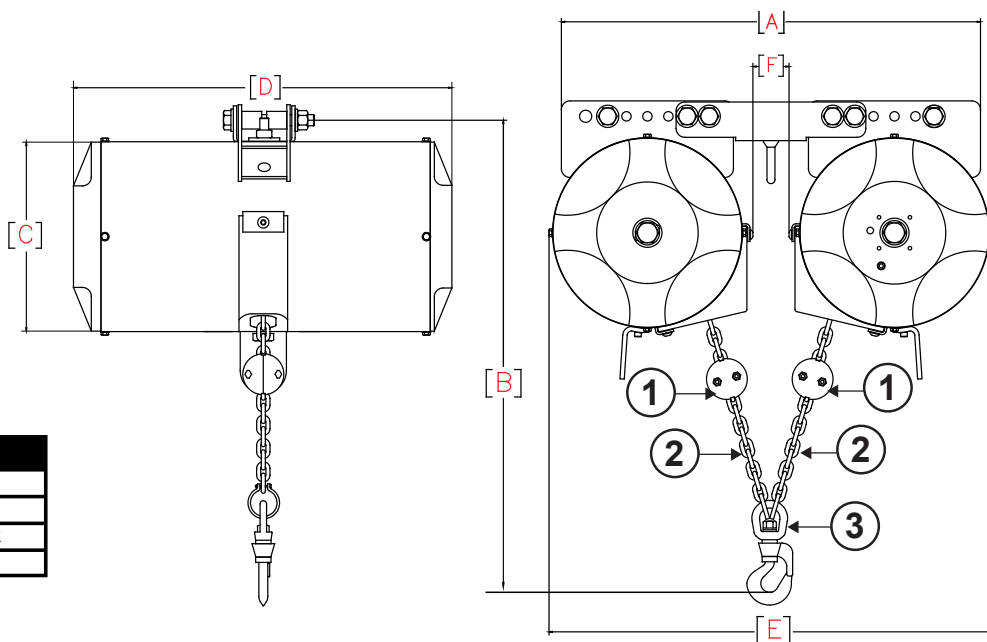
TKBC Tandem Chain Air Balancer Series



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.

Tandem Chain Air Balancers were designed to provide the weight capacities of a reeved application yet incorporate the extended travels of a single cable or chain air balancer.

The chain is grade 80 alloy steel lifting chain, resistance welded, carburized and heat-treated, with zinc plated finish in accordance with ASTM B633-85.



TKBC CHAIN SERIES SPARE PARTS			
3	1	BPA2086	BALANCER CHAIN HOOK
2	2	BPD1036	CHAIN
1	2	BPA2011	TRAVEL LIMIT INDICATOR
DET	QTY	PART #	DESCRIPTION

Formula for Air Balancer sizing:

Example: plant air 80 psi, 350 air balancer, 80% 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]	(E) in [mm]	(F) in [mm]	UNIT WEIGHT lbs [kg]
TKBC700-067	700 [318]	67 [1,702]	23 3/4 [603]	25 1/4 [641]	10 3/4 [273]	15 1/2 [394]	25 1/8 [639]	3 1/4 [83]	170 [77]
TKBC1000-080	1,000 [454]	80 [2,032]	23 3/4 [603]	25 1/4 [641]	10 3/4 [273]	16 1/2 [419]	25 1/8 [639]	3 1/4 [83]	234 [106]
TKBC1400-052	1,400 [635]	52 [1,320]	23 3/4 [603]	25 1/4 [641]	10 3/4 [273]	16 3/4 [426]	25 1/8 [639]	3 1/4 [83]	192 [87]

**** 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®)**

