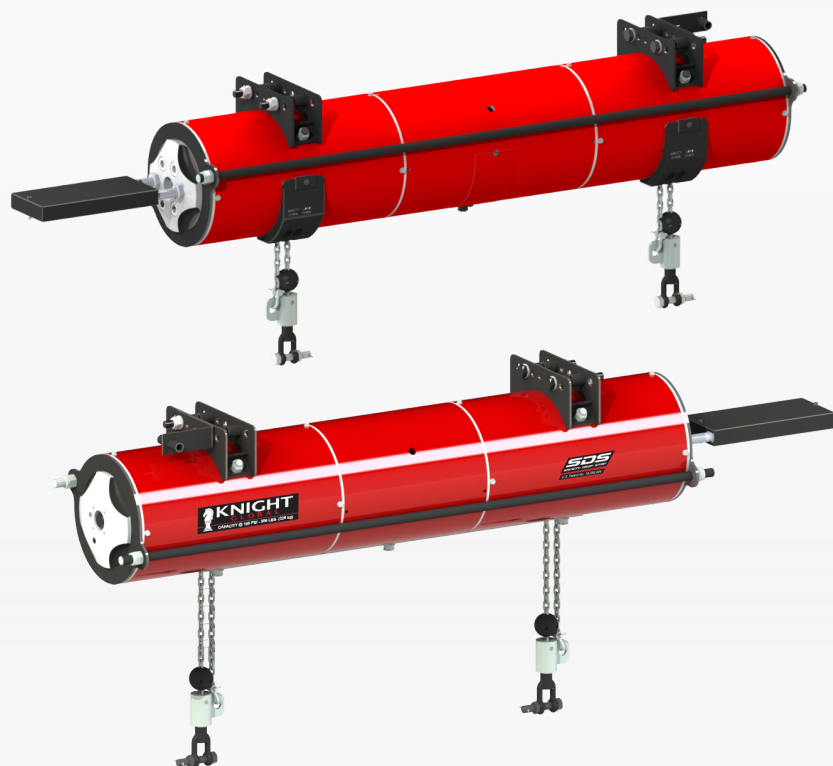




DKBCS Dual Drum SDS Balancer Series



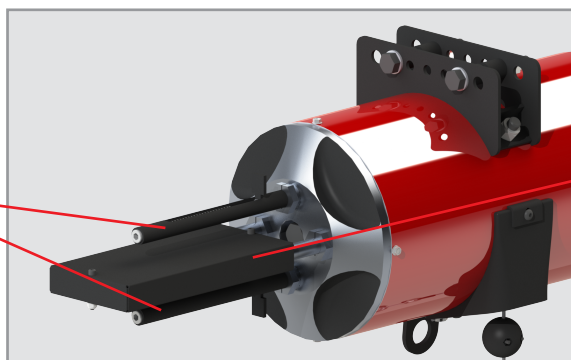
Knight has designed a “Dual Drum” Air Balancer with the patented Safety Drop Stop “SDS” dual chain feature (Patent #: 10,464,787). This is a safety feature that prevents a catastrophic fall in the event of a chain failure, with the secondary chain “catching” the load.

This type of Pneumatic Balancer is typically used in applications that require the manipulation of an unwieldy or large part. Also, a single suspension point may not stabilize a lengthy part. Some applications require that the fixture remain square to a part and (2) two hook points prevent fixture rotation.

Having two synchronized spools inside one housing, the dual drum offers added balance to awkwardly weighted or shaped loads by lifting and balancing from two suspension points.

The Dual Drum SDS Balancer comes standard with an external retract control to regulate the balancer’s speed of vertical travel. Limit switches can be ordered as an optional feature.*

* Limit switches provide the ability to set upper and lower limits, which eliminate unnecessary movement.



* The External Retract feature acts as a safety device that controls the speed of the spool preventing a runaway condition in the event that the load should be dropped.

Rated at 100 PSI

MODEL #	RATED CAPACITY lbs [kg]	TRAVEL in [mm]	(A) in [mm]	(B) in [mm]	(C) in [mm]	(D) in [mm]
DKBC500S-078	500 [226]	78 [1,905]	8 1/2 [216]	10 3/4 [165]	33 [828] & 38 [960]	54 [1,371] & 59 [1,498]
DKBC700S-048	700 [318]	48 [1,854]	8 1/2 [216]	10 3/4 [222]	33 [828] & 38 [960]	54 [1,371] & 59 [1,498]

Formula for Air Balancer sizing:

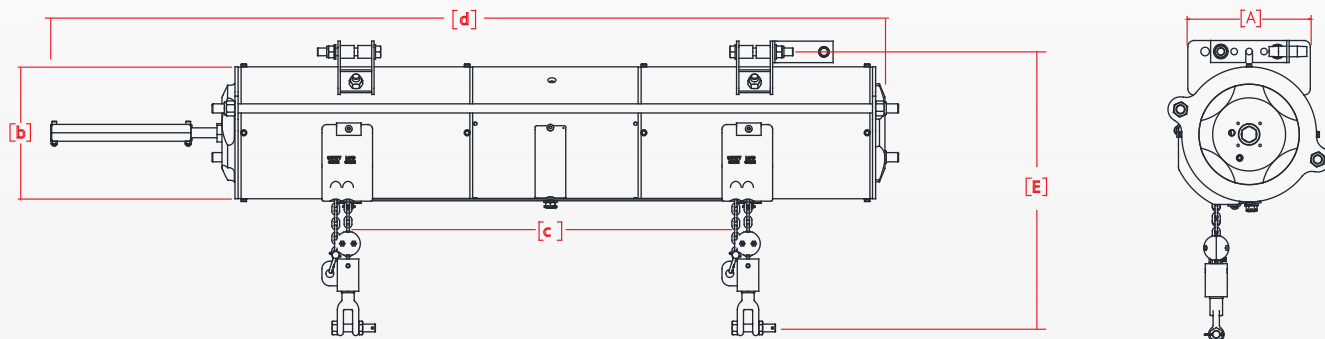
Example: plant air 80 psi, 350 air balancer, 80% load capability (0.80 air supply x 350 lbs. = 280 x .80 = 224 lbs. load capability).



For more information, please contact a Knight Global representative.



DKBCS Dual Drum SDS Balancer Series



Rated at 100 PSI

MODEL #	RATED CAPACITY lbs [kg]	TRAVEL in [mm]	(A) in [mm]	(B) in [mm]	(C) in [mm]	(D) in [mm]	(E) in [mm]
DKBC500S-078-33-EX	500 [226]	78 [1,905]	8 1/2 [216]	10 3/4 [165]	33 [828]	68 [1,727]	20 3/4 [527]
DKBC500S-078-33-LS1	500 [226]	78 [1,905]	8 1/2 [216]	10 3/4 [165]	33 [828]	68 [1,727]	20 3/4 [527]
DKBC500S-078-33-LS2	500 [226]	78 [1,905]	8 1/2 [216]	10 3/4 [165]	33 [828]	68 [1,727]	20 3/4 [527]
DKBC500S-078-38-EX	500 [226]	78 [1,905]	8 1/2 [216]	10 3/4 [165]	38 [960]	73 [1,854]	20 3/4 [527]
DKBC500S-078-38-LS1	500 [226]	78 [1,905]	8 1/2 [216]	10 3/4 [165]	38 [960]	73 [1,854]	20 3/4 [527]
DKBC500S-078-38-LS2	500 [226]	78 [1,905]	8 1/2 [216]	10 3/4 [165]	38 [960]	73 [1,854]	20 3/4 [527]
DKBC700S-048-33-EX	700 [318]	48 [1,854]	8 1/2 [216]	10 3/4 [222]	33 [828]	68 [1,727]	20 3/4 [527]
DKBC700S-048-33-LS1	700 [318]	48 [1,854]	8 1/2 [216]	10 3/4 [222]	33 [828]	68 [1,727]	20 3/4 [527]
DKBC700S-048-33-LS2	700 [318]	48 [1,854]	8 1/2 [216]	10 3/4 [222]	33 [828]	68 [1,727]	20 3/4 [527]
DKBC700S-048-38-EX	700 [318]	48 [1,854]	8 1/2 [216]	10 3/4 [222]	38 [960]	73 [1,854]	20 3/4 [527]
DKBC700S-048-38-LS1	700 [318]	48 [1,854]	8 1/2 [216]	10 3/4 [222]	38 [960]	73 [1,854]	20 3/4 [527]
DKBC700S-048-38-LS2	700 [318]	48 [1,854]	8 1/2 [216]	10 3/4 [222]	38 [960]	73 [1,854]	20 3/4 [527]

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



For more information, please contact a Knight Global representative.



"Due to continuous product development, Knight Global reserves the right to alter product specifications without prior notice."

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