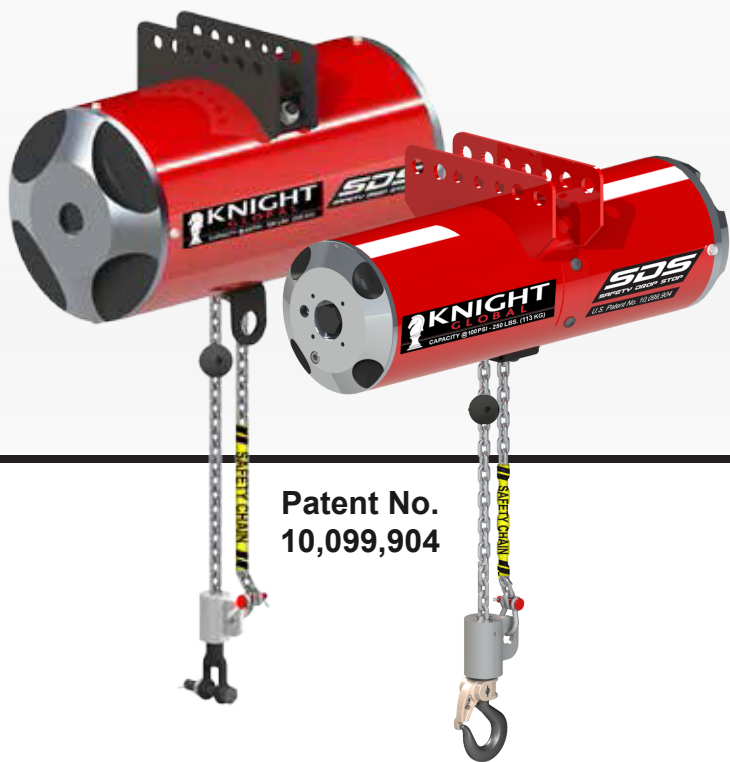




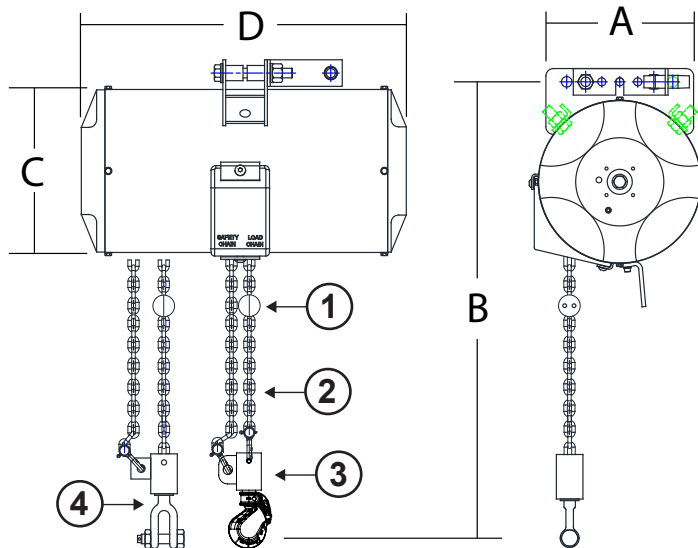
## KBC "SDS" Pneumatic Chain Balancer



Patent No.  
10,099,904

Knight Global's NEW Safety Drop Stop "SDS" Pneumatic Balancer is the safest balancer in the world. It is designed to prevent a hoisted load from dropping in the event that the primary chain fails. Knight's "SDS" Pneumatic Balancer prevents potential injuries to your operating personnel.

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 an air balancer is quicker when compared to a hoist and allows for a "feathering" operation when locating the load.



| KBC "SDS" CHAIN SERIES SPARE PARTS |     |         |                        |
|------------------------------------|-----|---------|------------------------|
| DET                                | QTY | PART #  | DESCRIPTION            |
| 4                                  | 1   | BPA2410 | SAFETY CHAIN SHACKLE   |
| 3                                  | 1   | BPA2113 | BALANCER HOOK          |
| 2                                  | 1   |         | DUAL CHAIN KIT         |
| 1                                  | 1   | BPA2011 | TRAVEL LIMIT INDICATOR |

### 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).

| MODEL #     | Rated at 100 PSI              |                   | (A)<br>in [mm] | (B)<br>(min.)<br>in [mm] | (C)<br>in [mm] | (D)<br>in [mm] | UNIT WEIGHT<br>lbs [kg] |
|-------------|-------------------------------|-------------------|----------------|--------------------------|----------------|----------------|-------------------------|
|             | RATED<br>CAPACITY<br>lbs [kg] | TRAVEL<br>in [mm] |                |                          |                |                |                         |
| KBC250S-054 | 250 [113]                     | 54 [1,371]        | 8 1/2 [215]    | 18 1/4 [463]             | 6 1/2 [165]    | 20 3/4 [527]   | 76.0 [34]               |
| KBC450S-052 | 450 [204]                     | 52 [1,320]        | 8 9/16 [217]   | 22 1/2 [572]             | 8 5/8 [219]    | 20 3/4 [527]   | 81.0 [36]               |
| KBC500S-084 | 500 [227]                     | 84 [2,133]        | 9 3/4 [248]    | 19 3/4 [502]             | 10 3/4 [273]   | 21 13/16 [554] | 112.0 [51]              |
| KBC700S-052 | 700 [318]                     | 52 [1,321]        | 9 3/4 [248]    | 19 3/4 [502]             | 10 3/4 [273]   | 21 13/16 [554] | 91.0 [41]               |

\*\* Knight recommends the use of high performance, extreme pressure, anti-wear food grade penetrating oil that penetrates and lubricates cable and all types of moving parts. (Lubriplate® 1241 Recommended)

For more information, please contact a Knight Global representative.

