



# Certificate of Compliance

**Certificate:** 1336612 **Master Contract:** 160732 (081519\_0\_000)

**Project:** 70139814 **Date Issued:** 2018-05-28

**Issued to:** **Oleo International Holdings Limited**  
**Grovelands Estate**  
**Longford Rd Exhall**  
**Coventry, CV7 9NE**  
**UNITED KINGDOM**  
**Attention: Darren Nicholls**

*The products listed below are eligible to bear the CSA Mark shown*



**Issued by:** *Wendy Zhu*  
Wendy Zhu, Ph. D., P. Eng.

ASME 17.1-2016/CSA B44-16

## **PRODUCTS**

CLASS - C241106 - ELEVATOR EQUIPMENT-Oil Buffers

Oil buffers with gas spring return:

<u>Model</u>	<u>Rated Speed m/s (ft/min)</u>	<u>Max Striking Speed m/s (ft/min)</u>	<u>Min Load kg</u>	<u>Max Load kg</u>	<u>Minimum Stroke "S" mm/m**</u>
- Type SEB.2					
SEB 16.2	1.600	1.840	450	4545	173 /0.1730
SEB 18.2	1.800	2.070	450	4545	219 /0.2190
SEB 20.2	2.032	2.337	450	4545	279 /0.2790
SEB 25.2	2.540	2.921	450	4545	435/ 0.4350
- Type LB					
LB 16.003	1.600	1.840	500	8330	203/ 0.2032
LB 18.001	1.800	2.070	500	8330	249/ 0.2489
LB 20.001	2.032	2.337	500	8330	300/0.2999
LB 23.001	2.300	2.650	500	8330	387/ 0.3869



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LB 25.003	2.540	2.921	500	8330	462/ 0.4619
LB 32.002	3.150	3.623	700	8330	699/ 0.6989
LB 35.001	3.560	4.094	1000	8330	881/ 0.8809
LB 40.001	4.060	4.669	1000	8330	1141/ 1.1409
LB 50.001	5.080	5.842	1500	7500	1741/ 1.7410
LB 55.001	5.588	6.426	1250	7500	2110/2.1100
LB 60.001	6.096	7.010	1500	10000	2505/ 2.5050

- \*LSB Series

LSB 10.A	1.000 (200)	1.150 (230)	380	3250	74.3/0.0734
LSB 16.B	1.600	1.840	450	3250	173.5/0.1735
LSB 18.B	1.800	2.070	450	3250	221.5/ 0.2195

- MLB Series

MLB 13.1	1.300	1.495	450	5500	121 /0.1213
MLB 16.1	1.600	1.840	450	5500	174 /0.1743
MLB 18.1	1.800	2.070	450	5500	220 /0.2203
MLB 20.1	2.030	2.335	450	5500	280 /0.2803
MLB 25.1	2.540	2.921	450	5500	436 /0.4363
MLB 32.1	3.150	3.623	450	5500	680/0.6803
MLB 35.3	3.560	4.094	600	5500	881/ 0.8809
MLB 40.3	4.064	4.674	600	5500	1141 /1.1409

\*Note: Mechanical Spring Return.

\*\*Note: Minimum stroke in meter is for reference only.

**APPLICABLE REQUIREMENTS**

ASME 17.1-2016/CSA B44-16\* - Safety Code for Elevators and Escalators

\* Specific applicable requirements as identified in clauses 2.22.4.1, 2.22.4.2, 2.22.4.3, 2.22.4.4, 2.22.4.5, 2.22.4.6, 2.22.4.7, 2.26.4.3, 8.3.1 and 8.3.2



## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
70139814	2018-05-28	Removed obsoleted Type SLB.1 and SLB.2, LB 65.001, LSB10.1, LSB 20.B, and LSB 25.B. Reorganized all Illustrations by adding technical files and all component drawings.
70128435	2017-05-11	Update illustrations and add Imperial Units to model LSB 10.A.
70078081	2016-06-16	Update report to update illustrations.
1580166	2004-10-21	Report Corrections, Customer Visit