



NYC Department of Buildings
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Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 54-08-M

Manufacturer: Oleo Buffers (Shanghai) Co Ltd.
79 Dongxing Road, Songjiang Industrial Zone
Songliang, Shanghai
CHINA 201613

Trade Name(s): Oleo

Product: Elevator oil buffers
MEA Index #240 – Elevator Oil Buffers

Pertinent Code Section(s): 27-987, RS 18-1

Prescribed Test(s): RS 18-1 (ANSI A17.1)

Laboratory: BSI Product Services
Canadian Standards Association
Underwriters Laboratories, Inc.

Test Report(s):

1. 282/000026, PS000002 Issue 3; PS000247 Issue 2.
2. CSA No. 081519X000, dated January 19, 1989 and 1336612 dated October 21, 2004, November 15, 2006 and March 14, 2007.
3. UL SA7470 (N) dated March 5, 1987.

Description: Spring-return-type oil buffers, **SEB** and **LB** series, designed to slow down and gradually reduce speed, thereby slowing the elevator car or counter weight to a gradual stop with an average rate of retardation of not more than gravity (32.2 ft/sec. Sq.). The buffers are intended for vertical installation under elevator cars and are designed to stop a descending car beyond its normal limit of travel. The model numbers, striking velocity, minimum and maximum loads are tabulated on following page.

Model No.	Maximum Load (kilograms)	Minimum Load (Kilograms)	Maximum Striking Velocity (Meters per Second)
SEB 16-2	4545	450	1.84
SEB 18-2	4545	450	2.07
SEB 20-2	4545	450	2.34
SEB 25-2	4545	450	2.92
LB 16.003	8330	500	1.84
LB 18.001	8330	500	2.07
LB 20.001	8330	500	2.34
LB 23.001	8330	500	2.65
LB 25.003	8330	500	2.92
LB 32.002	8330	700	3.62
LB 35.001	8330	1000	4.09
LB 40.001	8330	1000	4.67
LB 50.001	7500	1500	5.85
LB 55.001	7500	1250	6.45
LB 60.001	10000	1500	7.01
LB 65.001	10000	2000	7.60
LSB 10.1	2000	370	1.15

Oil Requirements: Viscosity – Saybolt Seconds Universal (SSU) at 100° F – 280 to 350. Viscosity Index – 75 Minimum; Pour Point – 0 degrees Fahrenheit, or ISO VG68 (68 mm² / at 40 degrees Centigrade)(EN81.1).

Terms and Conditions: The above buffers, when used with buffer oil with properties as described above, are accepted under the following conditions:

1. Minimum weight of car or counterweight per buffer – see above listing.
2. Maximum weight of car or counterweight per buffer – see above listing.
3. Maximum striking speed (115% of rated speed) as tabulated above.
4. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and accepted for use, as provided in Section 27-131 of the New York City Building Code.

Final Acceptance February 27, 2008

Examined By Siam Derphudom