



**Type Test Certificate  
for Special Equipment  
(Lifts)**

**Certificate Number: TSX F33002220160104**

**Applicant** : Oleo Buffers (Shanghai) Co., Ltd.  
**Registered address of applicant** : Plant A15, Xinfei Garden No. 3802, Shengang Road, Songjiang, Shanghai  
**Manufacturer** : Oleo Buffers (Shanghai) Co., Ltd.  
**Address of manufacturing** : Plant A15, Xinfei Garden No. 3802, Shengang Road, Songjiang, Shanghai  
**Classification** : Safety device  
**Varieties** : Elevator buffers  
**Product name** : Hydraulic buffer  
**Product type** : MLB35.3  
**Type test report number** : ETC16F330104 (1).ETC19F330YZ006

The product meets the requirements of Regulation for Type Test of Lifts(TSG T7007-2016), GB 7588-2003+XG1-2015,EN81-20: 2014,EN81-50: 2014.

Product types covered by the certificate: See attached table.

Product parameter and configuration covered by the certificate see the table attached.

(Stamp)

**Date of submission:** 2017-03-01

**Date of change:** 2018-02-05

**Date of next replacement:** 2019-02-25

**Deadline of next check:** 2021-03-01

**Shanghai Jiao Tong University Elevator Test Center**

**Note:1.** The applicant is responsible for confirming that the products comply with the regulation and correlative standard specifications and are in accordance with the sample for type test.

**2.** The certificate is valid before the deadline of next check.

**3.** Period of validity of the certificate is always calculated from the date of submission even if the certificate is modified.



Attached table

No. TSX F33002220160104

Page 1 of 1

### Product parameter and configuration table

Rated speed (m/s)	$\leq 3.56\text{m/s}$	Max. striking speed (m/s)	4.094m/s
Min. mass (kg)	600kg	Max. mass(kg)	5500kg
Max. stroke length (mm)	(880.9~885.1)mm	Type and volume of liquid (L)	ISO VG68#oil 19.5L
Current-limited mode	Thin wall hole	Reset mode	Inner gas spring
Environment	Indoor		

Notes to table attached:

1. When the parameter or configuration listed in the attached table has been changed, The type test must be done again.

Description of changes:

### Table of change of type test certificate (1)

Number	Item	Before the change	After the change	Date of change
1	Max. stroke length (mm)	881.0mm	(880.9~885.1)mm	2018-02-05

