

TÜV-A-AT-1-19-0615-EUPU-2

**TÜV**  
AUSTRIA

## EU-Baumusterprüfbescheinigung

nach EU Richtlinie für Aufzüge 2014/33/EU

### Certificate of EU-Type Examination

according EU Directive for Lifts 2014/33/EU

**Produkt / Product:** Energieverzehrende Puffer  
Energy dissipation buffers

**Type / Type:** SEB16.2, SEB18.2, SEB20.2, SEB25.2

**Antragsdatum / Date of application:**  
02.09.2020

**Bescheinigungsnummer / Certificate number:**  
TÜV-A-AT-1-19-0615-EUPU-2

**Zugelassene Stelle / Approved body:**  
TÜV AUSTRIA SERVICES GMBH  
Deutschstraße 10, A-1230 Wien  
ID-Nr.: 0408

**Bescheinigungsinhaber / Certificate holder:**  
OLEO International  
Grovelands Estate, Longford Road, Exhall, Coventry  
CV7 9NE, United Kingdom

**Prüfstelle / Test laboratory:**  
TÜV AUSTRIA SERVICES GMBH  
Deutschstraße 10  
A-1230 Wien

**Hersteller / Manufacturer:**  
Muster / Specimen:  
OLEO International  
Grovelands Estate, Longford Road, Exhall, Coventry  
CV7 9NE, United Kingdom

Serienfertigung / Series production: Anhang 1 / Annex 1

**Prüfgrundlage:**  
**Basis of examination:**  
EN 81-20:2014, 5.8.2.2.1, 5.8.2.2.3, 5.8.2.2.5  
EN 81-50:2014, 5.5

**Datum und Nummer des Prüfprotokolls:**  
**Date and number of laboratory report:**  
18.11.2020, 2020-AT-0125

**Bemerkungen:** Das geprüfte Produkt erfüllt die Prüfgrundlagen im Rahmen des  
**Remarks:** im Anhang 1 dieser Bescheinigung definierten Anwendungsbereichs.  
*The product fulfils the base of examination in the scope of application, defined in the  
annex 1 of this certificate.*

Verbreitung dieser Bescheinigung nur im Ganzen mit Anhang 1 und darin angeführten Unterlagen.  
*Spread of this certificate allowed complete only with annex 1 and documents called there.*

18.11.2020  
Gültig ab  
Valid from

Ing. Thomas Maider  
Zertifizierungsstelle  
Certifying Department



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# TÜV AUSTRIA SERVICES GMBH

## Notified Body 0408

### Anhang 1 zu / Annex 1 to EU-Baumusterprüfbescheinigung / Certificate of EU-Type Examination TÜV-A-AT-1-19-0615-EUPU-2

Vienna, 18.11.2020

Dieser Anhang wurde erstellt in:  Deutsch / German  
This annex has been issued in:  Englisch / English**1. Anwendungsbereich / Scope of application:**

## 1.1 Energy dissipation buffers SEB-series

| Type    | Maximum rated speed (m/s) | Maximum impact speed (m/s) | Minimum total mass (kg) | Maximum total mass (kg) | Total extended height (mm) | Stroke (mm) | Hydraulic oil type |
|---------|---------------------------|----------------------------|-------------------------|-------------------------|----------------------------|-------------|--------------------|
| SEB16.2 | 1,600                     | 1,840                      | 450                     | 4545                    | 540,0                      | 173,0       | Grade<br>ISO VG 68 |
| SEB18.2 | 1,800                     | 2,070                      | 450                     | 4545                    | 643,0                      | 219,0       |                    |
| SEB20.2 | 2,032                     | 2,337                      | 450                     | 4545                    | 777,0                      | 279,0       |                    |
| SEB25.2 | 2,540                     | 2,920                      | 450                     | 4545                    | 1126,0                     | 435,0       |                    |

**2. Bedingungen und Voraussetzungen / Conditions and Preconditions:**

## 2.1 For identification, a label must be placed on the device, indicating the following:

- Manufacturers data (\*)
- Type
- EU-type examination certificate number
- Maximum rated speed (m/s)
- Maximum impact speed (m/s)
- Minimum mass (kg)
- Maximum mass (kg)
- Permissible hydraulic liquid
- CE-mark and ID-Nr. of the Notified Body, responsible for surveillance of manufacture.

(\*) Manufacturers data according to Lifts Directive 2014/33/EU, Article 8 (6).

## 2.2 The fixing of the buffer shall be done as instructed by the manufacturer's instructions and on a horizontal and flat surface with sufficient strength to safely carry the loads imposed by the buffer.

## 2.3 The ambient temperature and environmental conditions must be in accordance with EN 81-20:2014.

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- 2.4 *The installation guide 9-29189-I, issue 4, February 2019, shall be followed.*
- 2.5 *This type examination certificate must be spread just together with all documents according clause 4 of this annex 1 to the type examination certificate.*
- 2.6 *Modification of the device must be reported to the certification body in written. It is in the certifications bodies decision, whether and in which scope any modification makes additional tests necessary.*
- 2.7 *This type examination number must not be used for any other products, which are not fully in compliance with the tested product.*
- 2.8 *This certificate is based on the technical state of the art, represented by the harmonized standards available and presently in force. Modification(s) and/or amendment(s) of these standards respectively future development of the technical state of the art, may make a revision of this certificate necessary.*
- 2.9 *Precondition for application of this device is, beside others, that the requirements for placing the product on the market according to Lifts Directive 2014/33/EU are kept for the device according to Lifts Directive 2014/33/EU, Article 15 (surveillance of production). This is to assure, that the products, placed on the market are in compliance with the tested sample(s).*

*The possible procedures for surveillance of production of the device are:*

- *Conformity to type with random checking (Lifts Directive 2014/33/EU, Annex IX, Module C 2)*
- *Product quality assurance (Lifts Directive 2014/33/EU, Annex VI, Module E)*

### **3. Anmerkungen und Hinweise / Remarks and advices:**

3.1 *Manufacturers for series production, licensed by the certificate holder are:*

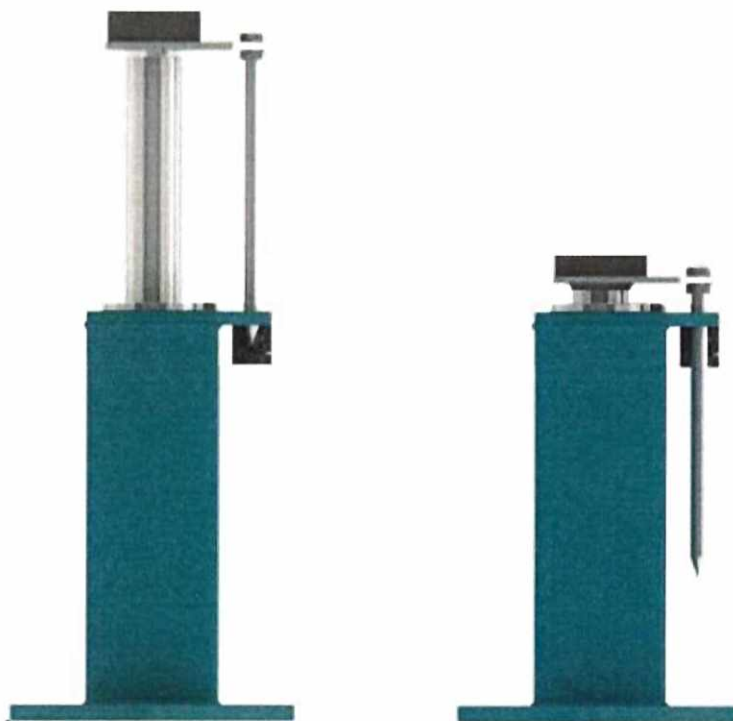
- *OLEO International  
Grovelands Estate, Longford Road, Exhall, Coventry, CV7 9NE, United Kingdom*
- *Oleo Buffers (Shanghai) Co. Ltd  
Plant A 15 Xinfei Garden, No. 3802 Shengang Road, Songjiang Industrial Area, Shanghai 201612, China*
- *Oleo Buffers India Pvt. Ltd.  
32/33, KIADB Hi-Tech Hardware Park, Mahadevakodigehalli, Bengaluru, India*

*However, clause 2.7 of this annex 1 to the certificate needs to be respected.*

3.2 *In case of identical scope of application, the buffers SEBxx.2 can be used as a replacement for the applicable former buffers SEBxx with following certificate number TÜV-A-AT-1-18-0564-EUPU-00.*

4. Bilder, Diagramme, Skizzen, Zeichnungen / Pictures, diagrams, sketches, drawings:

4.1 Illustration buffer SEB-series (buffer design may vary across range from illustration).



# EU Declaration of Conformity for Elevator Safety Buffers



## Manufacturer

|          |  |
|----------|--|
| Name:    | Oleo International (trading as T A Savery and Co Ltd) and Oleo Buffers Shanghai Co. LTD.   |
| Address: | Grovelands, Longford Road, Exhall, Coventry, United Kingdom, CV7 9NE.<br>Plant A15 Xinfei Garden, No. 3802 Shengang Road, Songjiang, Shanghai, 201612, China |

The Manufacturer hereby declares that the following Safety Component for Lifts:

|                     |   |
|---------------------|---|
| Product Reference:  | LSB10.A, LSB16.B, LSB18.B – TÜV-A-AT-1-19-0613-EUPU-2<br>MLB13.1, MLB16.1, MLB18.1, MLB20.1, MLB25.1, MLB32.1, MLB35.3, MLB40.3 – TÜV-A-AT-1-19-0614-EUPU-2<br>SEB16.2, SEB18.2, SEB20.2, SEB25.2 – TÜV-A-AT-1-19-0615-EUPU-2<br>LB16.003, LB18.001, LB20.001, LB23.001, LB25.003, LB32.002, LB35.001, LB40.001 – TÜV-A-AT-1-19-0611-EUPU-2<br>LB50.001, LB55.001, LB60.001 – TÜV-A-AT-1-19-0612-EUPU-2<br>LSBH10, LSBH16, LSBH18 – TÜV-A-AT-1-19-0616-EUPU-2 |
| Description:        | Oleo Hydraulic Energy Dissipation Buffers   |
| Manufacturing Date: | From 22nd February 2021   |

Is in conformity with the following Directives:

| Directive  | Title  |
|------------|--|
| 2014/33/EU | DIRECTIVE 2014/33/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonization of the laws of the Member States relating to lifts and safety components for lifts |

By application of the following Harmonized Standards:

| Standard            | Title  |
|---------------------|--|
| EN81-20:2014        | From 15.1.2016 Safety rules for the construction and installation of lifts — Lifts for the transport of persons and goods Part 20: Passenger and goods passenger lifts             |
| EN81-50:2014        | From 15.1.2016 Safety rules for the construction and installation of lifts — Examinations and tests Part 50: Design rules, calculations, examinations and tests of lift components |
| EN81-1:1998+A3:2009 | Before 15.1.2016 (this standard will be withdrawn 31/8/2017) Safety rule for the construction and installation of lifts – Part 1:Electric lifts                                    |

As proven by the following Conformity Assessment:

### EU Type Examination

|                                      |                             |
|--------------------------------------|-----------------------------|
| Name of Notified Body:               | TÜV Austria Servies GmbH    |
| Address:                             | Deuschstrae 10, A-1230 Wien |
| Identification Number:               | 0408                        |
| Type Examination Certificate Number: | EN81-20/50:2014             |

### Conformity to Type with Random Checking for Safety Components for Lifts

|                        |  |
|------------------------|--|
| Name of Notified Body: | BSI Assurance UK Limited   |
| Address:               | Kitemark Court, Davy Avenue, Knowhill, Milton Keynes, MK5 8PP, United Kingdom  |
| Identification Number: | 0086   |
| Directive/ Regulation: | Lift Directive 2014/33/EU Annex IX CONFORMITY TO TYPE WITH RANDOM CHECKING FOR SAFETY COMPONENTS FOR LIFTS (module C2) |

### Quality Assurance

|               |   |
|---------------|---|
| Name of Body: | BSI Assurance UK Limited  |
| Address:      | Kitemark Court, Davy Avenue, Knowhill, Milton Keynes, MK5 8PP, United Kingdom |
| Standards:    | ISO 9001:2015 / ISO 14001:2015  |

### On behalf of the Manufacturer:

|                           |                 |                                      |           |
|---------------------------|-----------------|--------------------------------------|-----------|
| Place / Date:             | 25-01-2021      |                                      |           |
| Signatories / Signatures: | Name            | Job Title                            | Signature |
|                           | Darren Nicholls | Product & Technical Support Engineer |           |
|                           | Phil Lewin      | Group Quality Director               |           |