



TÜV-A-AT-1-19-0613-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: LSB10.A, LSB16.B, LSB18.B

Antragsdatum / Date of application:
02.09.2020

Bescheinigungsnummer / Certificate number:
TÜV-A-AT-1-19-0613-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-0123

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 Malder
Zertifizierungsstelle
Certifying Department



Auszugsweise Vervielfältigung nur mit Genehmigung der TÜV AUSTRIA SERVICES GMBH gestattet
Duplication of this document in parts is subject to the approval TÜV AUSTRIA SERVICES GMBH

TÜV AUSTRIA SERVICES GMBH

Notified Body 0408

Anhang 1 zu / Annex 1 to EU-Baumusterprüfbescheinigung / Certificate of EU-Type Examination TÜV-A-AT-1-19-0613-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 LSB-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
LSB10.A	1,000	1,150	380	3250	222,0	73,4	Grade ISO VG 68
LSB16.B	1,600	1,840	450	3250	485,2	173,5	
LSB18.B	1,800	2,070	450	3250	577,2	219,5	

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.

- 2.4 *The installation guide 9-29188-I, issue 5, September 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 LSBxx.x can be used as a replacement for the applicable former buffers LSBxx with following certificate number TÜV-A-AT-1-18-0562-EUPU-00.*

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

4.1 Illustration buffer LSB-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. Plant A15 Xinfei Garden, No. 3802 Shengang Road, Songjiang, Shanghai. 201812, China

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

Product Reference:	LSB10.A, LSB10.B, LSB18.B – TÜV-A-AT-1-19-0613-EUPU-2 MLB13.1, MLB16.1, MLB18.1, MLB20.1, MLB25.1, MLB32.1, MLB35.3, MLB40.3 – TÜV-A-AT-1-19-0614-EUPU-2 SEB16.2, SEB18.2, SEB20.2, SEB25.2 – TÜV-A-AT-1-19-0615-EUPU-2 LB16.003, LB18.001, LB20.001, LB23.001, LB25.003, LB32.002, LB35.001, LB40.001 – TÜV-A-AT-1-19-0611-EUPU-2 LB50.001, LB55.001, LB60.001 – TÜV-A-AT-1-19-0612-EUPU-2 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 Services GmbH
Address:	Deutschstrasse 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, Knowlhill, 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 Cz)

Quality Assurance

Name of Body:	BSI Assurance UK Limited
Address:	Kitemark Court, Davy Avenue, Knowlhill, 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	