

EU-TYPE EXAMINATION CERTIFICATE

Issued by Liftinstituut B.V.
identification number Notified Body 0400,
commissioned by Besluit no. 2016-0000038870

Certificate no. : NL16-400-1002-142-08 Revision no.: 1

Description of the product : Energy accumulation buffers with nonlinear characteristics

Trademark, type : ETN, EN 18

Name and address of the manufacturer : Pleiger Kunststoff GmbH & Co. KG
Im Hammertal 51
D-58456 Witten, Germany

Name and address of the certificate holder : Elastomer Technik Nürnberg GmbH
An der Kaufleite 20
D-90562 Kalchreuth, Germany

Certificate issued on the following requirements : Lifts Directive 2014/33/EU

Certificate based on the following standard : EN 81-20:2014 Clause 5.8
EN 81-50:2014 Clause 5.5

Test laboratory : Liftinstituut, Alphen aan den Rijn

Date and number of the laboratory report : June 23rd, 2016, Test report belonging to the EC type-examination certificate nr.: NL16-400-1002-142-08

Date of EU-type examination : March – June 2016

Additional document with this certificate : Report belonging to the EU-type examination certificate no.: NL16-400-1002-142-08 Rev.1

Additional remarks : Dimensions Ø165 x 84 mm
Load range 1.0 m/s 1250 – 2000 kg
Load range 0.8 m/s 900 – 3000 kg

Conclusion : The component meets the requirements of the Lifts Directive 2014/33/EU taking into account any additional remarks mentioned above.

Date of issue : 15-08-2016

ing. J.L. van Vliet
Managing Director

Certification decision by

Valid until : 23-06-2021

EU-BAUMUSTERPRÜFBESCHEINIGUNG

Ausgestellt vom Liftinstituut B.V.
Identifizierungsnummer benannte Stelle 0400,
berechtigt durch Verfügung Nr. 2016-0000038870

- Bescheinigungs-Nr. : NL16-400-1002-142-08 Revision Nr.: 1
- Produktbeschreibung : Energiespeichernde Puffer mit nicht-lineare Kennlinien
- Fabrik- oder Handelsmarke : ETN, EN 18
- Name und Adresse des Herstellers : Pleiger Kunststoff GmbH & Co. KG
Im Hammertal 51
D-58456 Witten, Germany
- Name und Adresse des Bescheinigungsinhabers : Elastomer Technik Nürnberg GmbH
An der Kaufleite 20
D-90562 Kalchreuth, Germany
- Bescheinigung ausgestellt gemäß folgenden Vorschriften : Aufzugsrichtlinie 2014/33/EU
- Bescheinigung basiert auf folgenden Normen : EN 81-20:2014 Artikel 5.8
EN 81-50:2014 Artikel 5.5
- Prüflabor : Liftinstituut, Alphen aan den Rijn
- Datum und Nummer des Prüfberichtes des Prüflabor : June 23rd, 2016, Prüfbericht zur EU-Baumusterprüfbescheinigung Nr.: NL16-400-1002-142-08
- Datum EU-Baumusterprüfung : March – August 2016
- Zusatzdokument zu dieser Bescheinigung : Bericht gehörend zur EG-Baumusterprüfbescheinigung Nr.: NL16-400-1002-142-08 Rev.1
- Ergänzende Bemerkungen : Abmessungen Ø165 x 84 mm
Lastbereich (1,0 m/s) 1250 – 2000 kg
Lastbereich (0,8 m/s) 900 - 3000 kg
- Prüfergebnis : Das Sicherheitsbauteil erfüllt die Sicherheitsanforderungen der oben aufgeführten Vorschriften unter Berücksichtigung der ergänzenden Bemerkungen.

Ausstellungsdatum : 15-8-2016

ing. J.L. van Vliet
Managing Director

Entscheidung über die
Bescheinigung durch

Gültig bis : 23-6-2021

Report EU-type examination

Report belonging to EU-type examination certificate no. : NL16-400-1002-142-08
Date of issue of original certificate : June 23rd, 2016
Concerns : Safety component
No. and date of revision : 1, August 15th, 2016
Requirements : Lifts Directive 2014/33/EU
Standards: EN 81-20:2014 Clause 5.8
EN 81-50:2014 Clause 5.5
Project no. : P160108-01

1. General specifications

Name and address manufacturer : Pleiger Kunststoff GmbH & Co. KG
Im Hammertal 51
D-58456 Witten, Germany
Description of safety component : Energy accumulation buffers with nonlinear characteristics
Type : EN 18
Laboratory : Liftinstituut, Alphen aan den Rijn
Data of examination : March-June 2016
Examination performed by : R.E. Kaspersma

2. Description safety component

The Energy accumulation buffers with nonlinear characteristics EN18 from ETN is produced by Pleiger Kunststoff are made of Polyurethane. The buffer tested is a buffer with a height of 84 mm and a diameter of 165 mm. The buffer is glued to a steel plate. The data plate information is provided on a ring fixed into the groove of the buffer.

3. Examinations and tests

The examination covered a check whether compliance with the Lift Directive 2014/33/EU is met, if possible based on the harmonized product standards EN 81-20 clause 5.8 and EN 81-50 clause 5.5.

The examination included:

- Examination of the technical file (See annex 2):
- Examination of the representative model in order to establish conformity with the technical file.
- Free fall tests to check compliance with the requirements.
- A static compression curve

4. Results

After the final examination the product and the technical file were found in accordance with the requirements. The functional tests passed without remarks. The load tests passed without remarks and did not lead to permanent deformations or loss of stability.

For detailed test results see Test report belonging to EU type-examination certificate no. : NL16-400-1002-142-08

5. Conditions

On the EU-type examination certificate the following conditions apply:

- Load range for a rated speed of 1.0 m/s: 1250 – 2000 kg
- Load range for a rated speed of 0.8 m/s: 900 – 3000 kg
- Temperature range material: -40°C – 80°C
- Nominal temperature range: +5°C – 40 °C
- Humidity range 0% - 70%
- Minimum life time 5 years

6. Conclusions

Based upon the results of the EU-type examination Liftinstituut B.V. issues an EU-type examination certificate.

The EU-type examination certificate is only valid for products which are in conformity with the same specifications as the type certified product. The certificate is issued based on the requirements that are valid at the date of issue. In case of changes of the product specifications, changes in the requirements or changes in the state of the art the certificate holder shall request Liftinstituut B.V. to reconsider the validity of the certificate.

7. CE marking and EU Declaration of conformity

Every safety component that is placed on the market in complete conformity with the examined type must be provided with a CE marking according article 18 of the Lift directive 2014/33/EU under consideration that conformity with eventually other applicable Directives is proven. Also every safety component must be accompanied by an EU declaration of conformity according to annex II of the Directive in which the name, address and Notified Body identification number of Liftinstituut B.V. must be included as well as the number of the EU-type examination certificate.

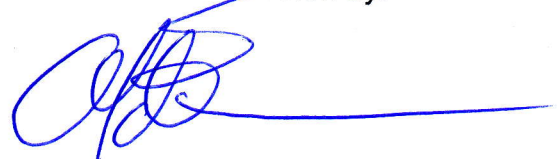
An EU type-certified safety component shall be random checked e.g. according to annex IX of the Lift directive 2014/33/EU before these safety components may be CE-marked and may be placed on the market. For further information see regulation 2.0.1 'Regulations for product certification' on www.liftinstituut.com.

Prepared by:



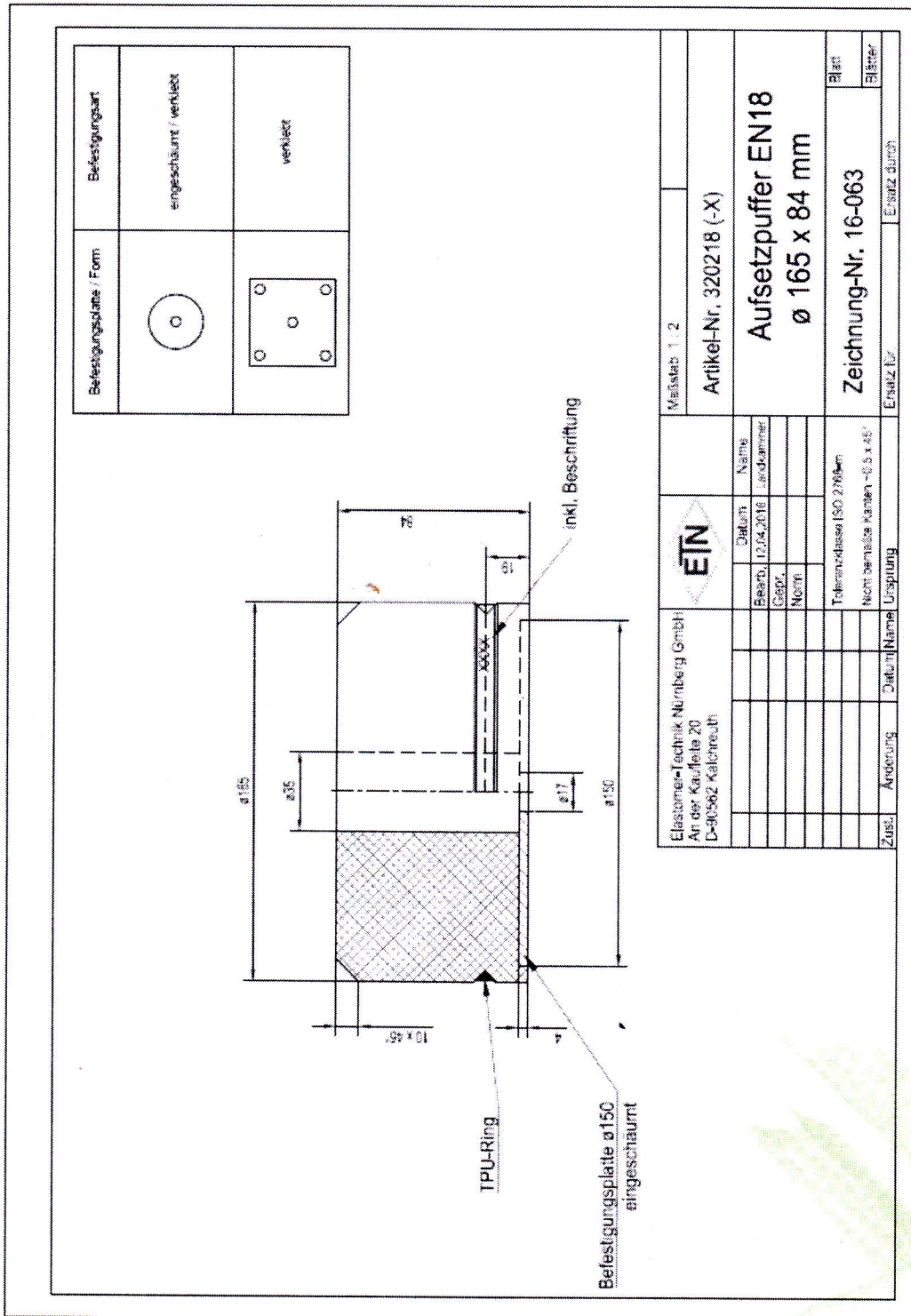
R.E. Kaspersma
Productspecialist Certificatie
Liftinstituut B.V.

Certification decision by:



Annexes

Annex 1 Basic lay-out of EN 18



Elastomer-Technik Nürnberg GmbH Am der Kaufleute 20 D-90562 Kalchreuth		EIN		Maßstab 1:2	
Datum		Name		Artikel-Nr. 320218 (-X)	
Bearb.	12.04.2016	Ladnamer		Aufsetzpuffer EN 18	
Gepr.				ø 165 x 84 mm	
Norm				Zeichnung-Nr. 16-063	
Toleranzklasse ISO 2708m		Toleranzklasse ISO 2708m		Blatt	
Nicht bemessene Kanten ~0.5 x 45°		Nicht bemessene Kanten ~0.5 x 45°		Blätter	
Zust.	Änderung	Datum	Name	Ersatz durch	

BRL05E

Annex 2	Documents of the Technical File which were subject of the examination
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title	document number	date
User Manual	-	07-03-2008
Drawing	16-063	23-06-20165
Pleiger Statement		12-08-2015

Annex 3	Revision overview
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REVISIONS OF THE CERTIFICATE

Rev.:	Date	Summary of revision
-	June 23 rd , 2016	Original issue
1	August 11 th , 2016	Height of buffer changed into 84 mm

REVISIONS OF THE REPORT, BELONGING TO THE CERTIFICATE

Rev.:	Date	Summary of revision
-	June 23 rd , 2016	Original issue
1	August 11 th , 2016	Height of buffer changed into 84 mm