LIFTINSTITUUT

PRODUCTS
RvA C 067

EU-TYPE EXAMINATION CERTIFICATE

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

Certificate no.	:	NL15-400-1002-142-04 Revision no.: 1
Description of the product	:	Energy accumulation buffers with nonlinear characteristics
Trademark, type	:	ETN, EN 12
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.: NL15-400-1002-142-04 Rev. 1
Date of EU-type examination	:	January – August 2015, March 2016
Additional document with this certificate	:	Report belonging to the EU-type examination certificate no.: NL15-400-1002-142-04 Rev. 1
Additional remarks	:	Dimensions Ø100/52/35 x 104 mm Load range 1.0 m/s 400 – 1300 kg Load range 0.8 m/s 500 – 1500 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 : 23-06-2016

Valid until : 23-06-2021

ing. J.L. van Vliet
Managing Director

Certification decision by

Report EU-type examination

Report belonging to EU-type examination certificate no.	:	NL15-400-1002-142-03
Date of issue of original certificate	:	August 31st, 2015
Concerns	:	Safety component
No. and date of revision	:	1, June 23rd, 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 12
Laboratory	:	Liftinstituut, Alphen aan den Rijn
Data of examination	:	January – August 2015, June 2016
Examination performed by	:	R.E. Kaspersma

2. Description safety component

The Energy accumulation buffers with nonlinear characteristics EN12 from ETN is produced by Pleiger Kunststoff are made of Polyurethane. The buffer tested is a buffer with a height of 104 mm and a diameter of 100 mm. The top has a conical shape. 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.

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Buikslotermeerplein 381 | Postbus 36027 | Tel. +31 (0)20 - 435 06 06 | www.liftinstituut.nl | BTW-nummer:
1025 XE Amsterdam | 1020 MA Amsterdam | Fax +31 (0)20 - 435 06 26 | info@liftinstituut.nl | NL 810399441 B01

- 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 EC type-examination certificate no. : NL15-400-1002-142-04 rev. 1

5. Conditions

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

– Load range for a rated speed of 1.0 m/s:	400 – 1300 kg
– Load range for a rated speed of 0.8 m/s:	500 – 1500 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.

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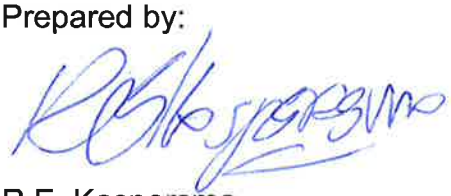
7. CE marking and EU Declaration of conformity

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.

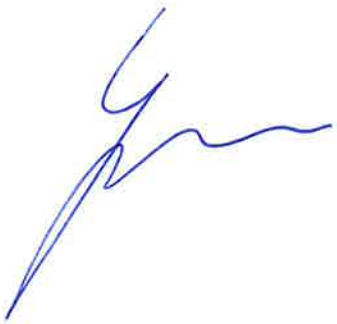
An EU type-certified safety component shall be random checked e.g. according to annex IX of the Lift directive 2014/33/EU before these safety components may be CE-marked and may be placed on the market. For further information see regulation 2.0.1 'Regulations for product certification' on www.liftinstituut.com.

Prepared by:



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

Certification decision by:



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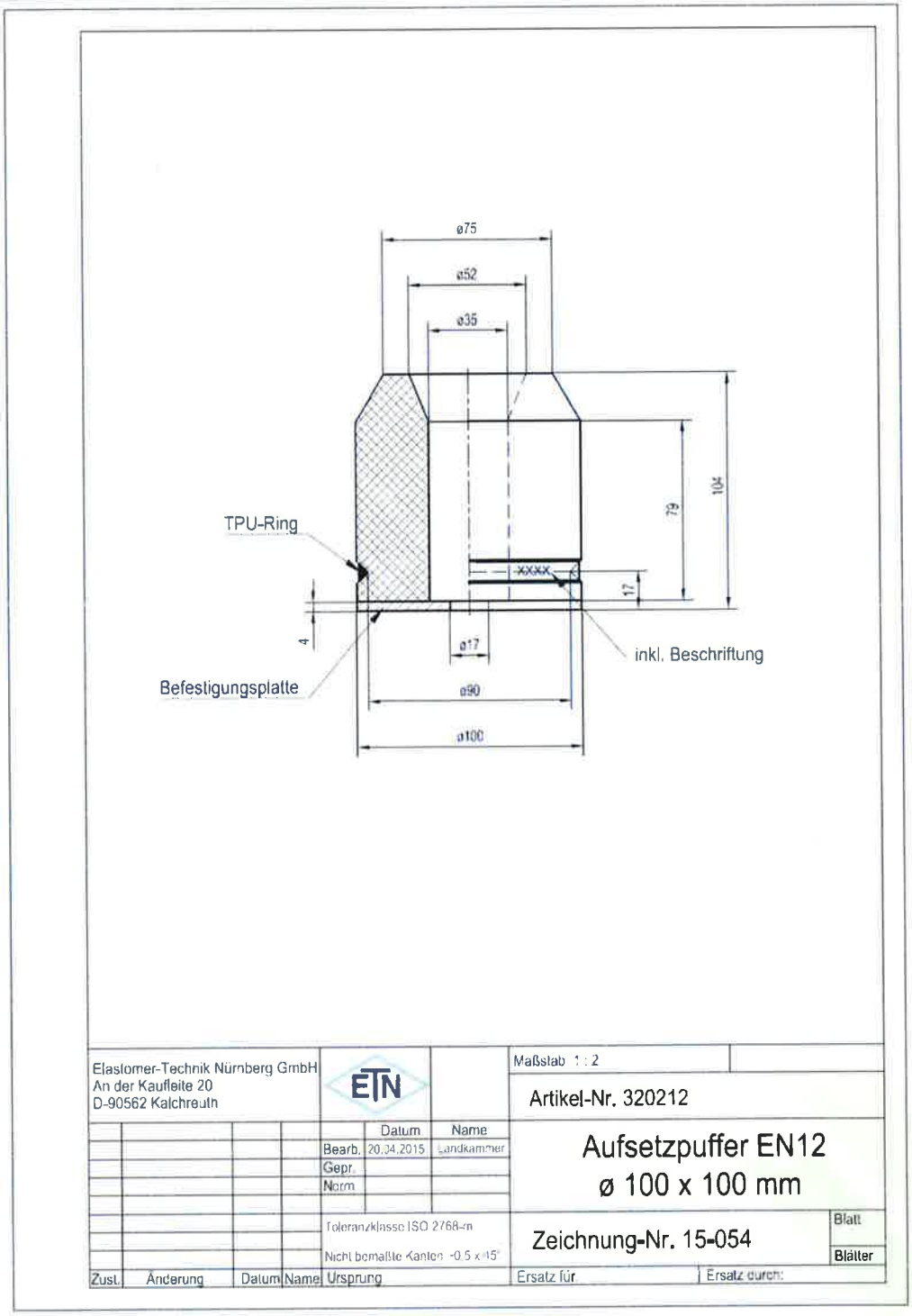
Annexes

Annex 1 Basic lay-out



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Annex 2 Documents of the Technical File which were subject of the examination

title	document number	date
User Manual	-	07-03-2008
Drawing	15-054	20-04-2015
Pleiger Statement		12-08-2015

Annex 3 Revision overview

REVISIONS OF THE CERTIFICATE

Rev.:	Date	Summary of revision
-	August 31st, 2015	Original issue
1	June 23rd, 2016	Update load range and implementation New Lifts Directive

REVISIONS OF THE REPORT, BELONGING TO THE CERTIFICATE

Rev.:	Date	Summary of revision
-	August 31st, 2015	Original issue
1	June 23rd, 20156	Update load range and implementation New Lifts Directive

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