

EU-TYPE EXAMINATION CERTIFICATE

Issued by Liftinstituut B.V.
identification number Notified Body 0400,
commissioned by Decree no. 2018-0000125182

Certificate no. : NL18-400-1002-187-16 Revision no.: -

Description of the product : Energy dissipation type buffer

Trademark, type : HPL 40 x 120

Name and address of the manufacturer : Henning GmbH & Co. KG
Loher Strasse 4
D-58332 Schwelm
Germany

Name and address of the certificate holder : Henning GmbH & Co. KG
Loher Strasse 4
D-58332 Schwelm
Germany

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

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

Test laboratory : Liftinstituut, Alphen aan den Rijn

Date and number of the laboratory report : January 18th, 2019, Test report belonging to the EU type-examination certificate nr.: NL18-400-1002-187-16

Date of EU-type examination : December 2018

Additional document with this certificate : Report belonging to the EU-type examination certificate no.: NL18-400-1002-187-16

Additional remarks : Maximum nominal speed 1.3 m/s
Load range 450 kg – 3500 kg

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

Amsterdam

Date : 18-01-2019
Valid until : 18-01-2024


ing. P.J. Peeters
Manager


Certification decision by

Report EU-type examination

Report belonging EU-type examination certificate number	: NL18-400-1002-187-16
Date of issue of original certificate	: January 18 th , 2019
Product description	: Safety component
Revision number / date	: - / -
Requirements	: Lifts Directive 2014/33/EU Standards: EN 81-20:2014 EN 81-50 :2014 section 5.5
Project number	: P180331

1. General specifications

Name and address manufacturer	: Henning GmbH & Co. KG Loher Strasse 4 D-58332 Schwelm Germany
Description of safety component	: Energy dissipation type buffer
Type	: HPL 40 x 120
Laboratory	: Liftinstituut. Alphen aan den Rijn
Address of examined lift	: -
Date of examination	: December 2018
Examination performed by	: R. E. Kaspersma

2. Description safety component

The HPL 40 x 120 is an energy dissipation type buffer or hydraulic buffer and is designed for lifts with a nominal speed up to 1.3 m/s. A contact is provided which checks if the plunger of the hydraulic buffer is in the extended position. The contact of the buffer is reset automatically.

See annex 1 for a general overview of the product

Specifications hydraulic buffer HPL 40 x 120

Total buffer height	385 mm
Diameter	100 mm
Buffer stroke	120 mm
Standard Oil (-10 °C .. +50 °C)	HLP ISO VG 46 DIN 51524-2
Low temperature oil (-20 °C .. +40 °C)	HVLP ISO VG 22 DIN 51524-3

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 of EN 81-20:2014 and EN 81-50:2014 clause 5.5.

The examination included:

- Examination of the technical file (See annex 2):
- Check of performed calculations
- Examination of the representative model in order to establish conformity with the technical file.
- Inspections and tests to check compliance with the requirements.

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.

4.1 Calculations

The calculations were found accordance with the requirements.

4.2. Measurements

According clause 5.5.3 of EN 81-50 the buffer was tested with the aid of weights, corresponding to the minimum and maximum masses, falling in free fall to reach at the moment of impact the maximum speed called for.

A description of the tests performed is given in "Test report belonging to EU-type examination nr.: NL18-400-1002-187-16".

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
Product Specialist Certification
Liftinstituut B.V.

Certification decision by:

