

EU-TYPE EXAMINATION CERTIFICATE

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

Certificate no. : NL07-400-1002-100-01 Revision No. : 5

Description of the product : Progressive safety gear for cold drawn and machined guide rails with dry or lubricated surface; up, down or bi-directional

Trademark, type : Cobianchi, PC24DA / PC24DO / PC24UP / PC24GA / PC24GO and PC24GU

Name and address of the manufacturer : Cobianchi Lifteile AG
Weststrasse 16
CH-3672 Oberdiessbach, Switzerland

Name and address of the certificate holder : Cobianchi Lifteile AG
Weststrasse 16
CH-3672 Oberdiessbach, Switzerland

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

Certificate based on the following standards : EN 81-20:2014, EN 81-50:2014
EN 81-1:1998 + A3:2009, EN 81-2:1998 + A3:2010

Test laboratory : Testtower Cobianchi Lifteile AG
Thun, Switzerland

Date and number of the laboratory report : December 10, 2010 / Test report NL 07-400-1002-100-01

Date of EU-type examination : August 2010 – December 2010, October 2013, September 2015, March 2016


Additional documents with this certificate : Annex belonging to the EC type-examination certificate no.: NL07-400-1002-100-01 Rev.5

Additional remarks : See Annex

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

Date of issue : 31-3-2016
Valid from : 20-4-2016
Valid until : 31-3-2021


ing. J.L. van Vliet
Managing Director


Certification decision by

Annex of EU type-examination certificate NL07-400-1002-100-01

Date of original certificate : 11-10-2007
 Date of revision : 31-3-2016
 Project no. : P140450-01

1. Scope

1.1 General:

maximum tripping speed	: 3.5 m/s
guide rails	: Machined / cold drawn
guide rail thickness	: 9 – 20 mm
minimum gripping width on guide rail	: 30 mm
lubrication means (oil) of quality	: HLP-oils, (DIN 51524, Part 2)

1.2 Permissible total mass for safety gear operation:

Guide rail surface	min. – max. total mass
Dry cold drawn guide rails	: 1201 – 4100 kg
Oiled cold drawn guide rails	: 1192 – 3700 kg
Dry machined guide rails	: 1169 – 5498 kg
Oiled machined guide rails	: 1118 – 5300 kg

1.3 Brake force allowed for ascending car overspeed protection:

Guide rail surface	min. – max. brake force
Dry cold drawn guide rails	: 19216 – 65600 N
Oiled cold drawn guide rails	: 19072 – 59200 N
Dry machined guide rails	: 18704 – 87968 N
Oiled machined guide rails	: 17888 – 84800 N

2. Conditions

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

- The safety gear and/or ascending safety device shall be adjusted according to the specific load graphs related to μ -factor, bending of the housing and spring compression.
- The safety gear shall be activated by an overspeed governor fulfilling the requirements of EN 81-20 chapter 5.6.2.2.1 (e.g. max. nominal speed 2.7 m/s).
- The mass stated may differ 7.5% from the mass adjustment (EN 81-50 5.3.4).
- The braking force for the lift shall be adjusted in such a way that it will not allow a retardation of the empty car up in excess of 1 g_n during the stopping phase.
- In case of upward braking it must be assured that the construction of the guide rails is capable to withstand the forces applied.
- The maintenance instructions shall be provided with the safety component.

The safety gear can be used as stopping element as part of a protection means against unintended car movement.

- o The safety gear and overspeed governor combination shall ensure that the values required by EN 81-20 clauses 5.6.7.5 are not exceeded.

- The operation distance of the safety gear is 13.7 mm maximum and the maximum tripping speed is 2.0 m/s.
- These values shall be verified by the installer of the complete lift.
- The safety gear will activate even with very low speeds.
- The safety gear can be adopted for the use on EN 81-77 compliant lifts, to comply with 5.4.2 of the EN 81-77 the safety gear shall be fitted with additional retainer on each housing to prevent accidental tripping.

3. 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 EU-type examination 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 EU-type examination certificate.

4. CE marking and EU Declaration of conformity

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

An EU-type certified safety component shall be random checked, for example 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 on random checking by Liftinstituut, see regulation 2.0.1 'Regulations for product certification' on www.liftinstituut.com.

Prepared by:



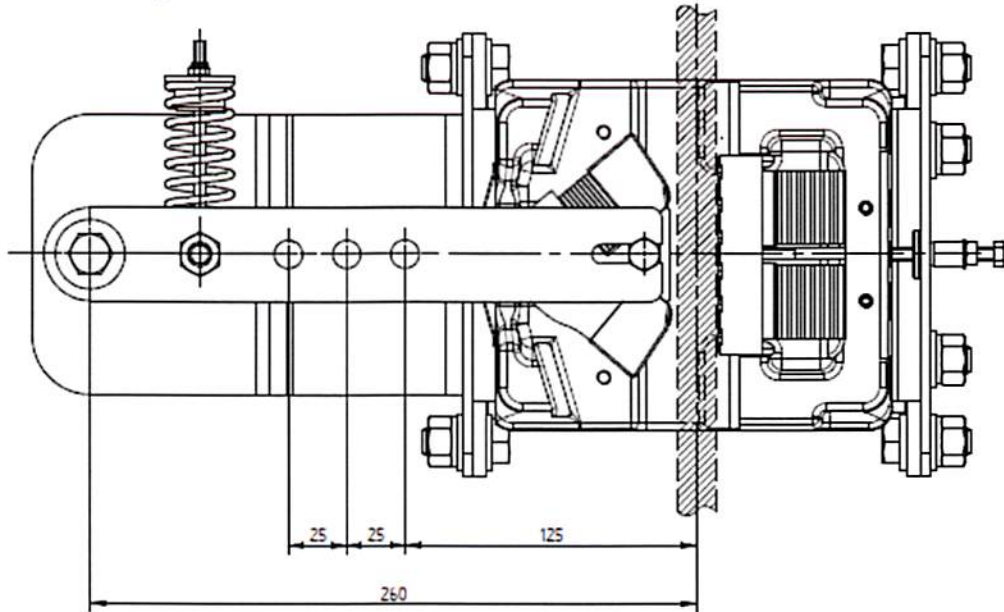
R.E. Kaspersma
Product Specialist Certification

Certification decision by:

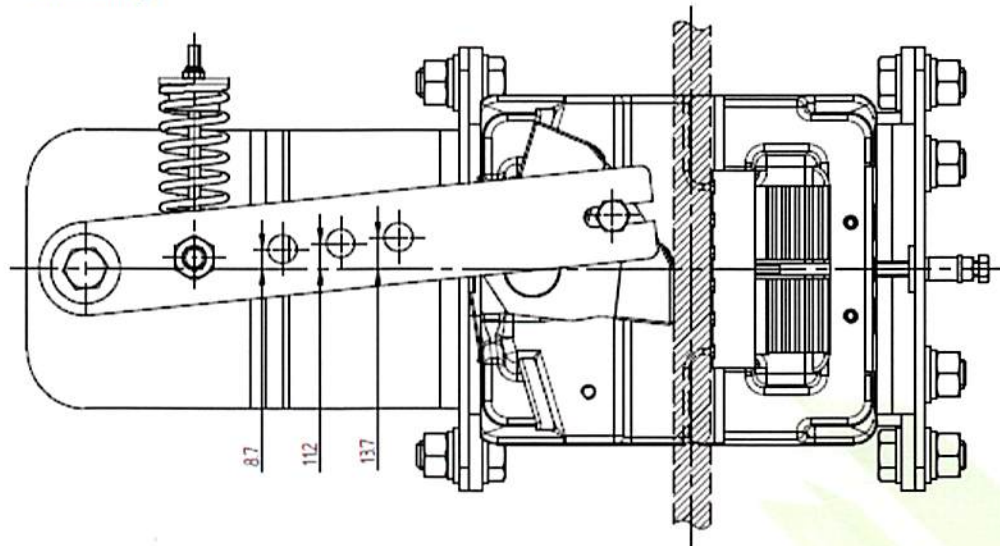


Aktivierungswege: Bremsfangvorrichtung Typ - PC24DA/DO/UP / GA/GO/GU

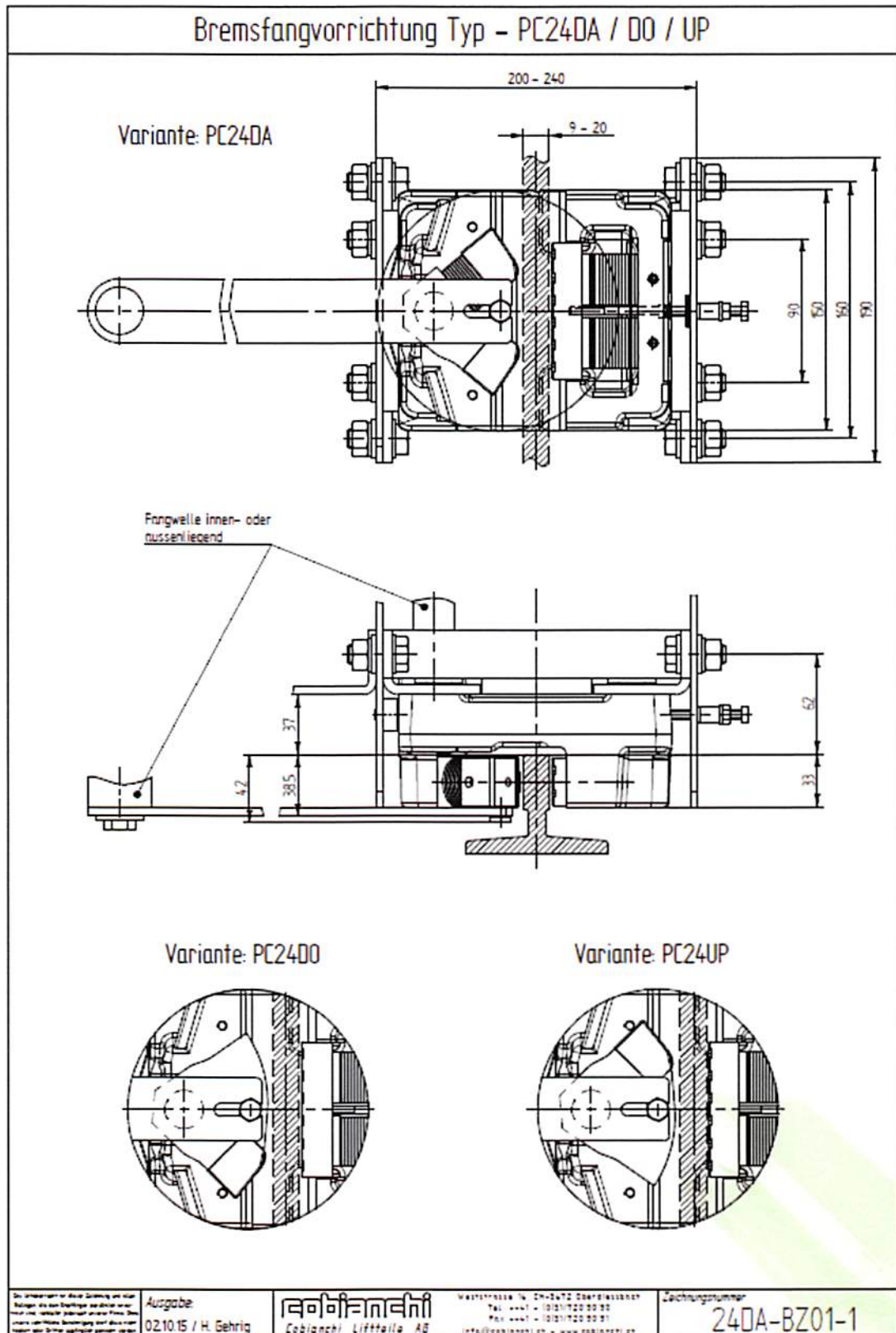
Neutrale Lage:



Endstellung:



Die Verantwortung für diese Zeichnung ist klar festgelegt. Die nachfolgenden Angaben sind nur für den Fall, dass die Zeichnung ohne weitere Erläuterung verwendet werden muss, gültig.	Ausgabe: 02.10.15 / H. Gehrig	Cobianchi Liffitalia AG	Hauptpostfach Nr. CH-2672 Oberdiswil Tel. +41 71 220 00 00 Fax +41 71 220 00 01 info@cobianchi.ch - www.cobianchi.ch	Zeichnungsnummer 24DA-BZ02-1
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REVISIONS OF THE CERTIFICATE AND ANNEX BELONGING TO THE CERTIFICATE

Rev.:	Date	Summary of revision
-	October 11 th , 2007	Original
1.1	March 25 th , 2009	Editorial changes, new report and annex layout and updated drawings and graphs
2	December 10 th , 2010	New brake element
3	October 10 th , 2013	Introduction of sliding shoe
4	September 25 th , 2015	Adoption of EN 81-20/50
5	March 31 st , 2016	Update to 2014/33/EU