



liftinstituut
SINCE 1933



EU-TYPE EXAMINATION CERTIFICATE

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

Certificate no. : NL08-400-1002-100-02 Revision no.: 5

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

Trademark : Cobiانchi

Type no. : PC13DA / PC13DO / PC13UP / PC13GA / PC13GO and
PC13GU

Name and address of the manufacturer : Cobiانchi Liffteile AG
Weststrasse 16
3672 Oberdiessbach, Switzerland

Name and address of the certificate holder : Cobiانchi Liffteile AG
Weststrasse 16
3672 Oberdiessbach, Switzerland

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

Certificate based on the following standard : EN81-20:2020, EN 81-50:2020
EN 81-1:1998 + A3:2009, EN 81-2:1998 + A3:2010

Test laboratory : Testtower Cobiانchi Liffteile AG
Thun, Switzerland

Date and number of the laboratory report : November 5, 2010, Testreport NL08-400-1002-100-02

Date of EU-type examination : August 2010 – October 2010, October 2013, March 2016,
March 2021

Additional document with this certificate : Report belonging to the EU-type examination certificate
no.: NL08-400-1002-100-02 Rev. 5


Additional remarks : This revision replaces certificate NL08-400-1002-100-02 rev. 4
of March 31, 2016

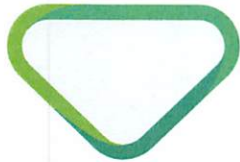
Conclusion : The safety component meets the requirements of the Lifts
Directive 2014/33/EU taking into account any additional remarks
mentioned above.

Amsterdam

Date : 15-03-2021
Valid until : 15-03-2026


ing A.J. van Ommen
International Business
Manager


Certification decision by



**Annex of type-examination certificate
NL08-400-1002-100-02**

Date of original certificate : March 26, 2009
Revision number / date : 5/ March 15, 2021
Project number : P210023

1. Description

Progressive safety gear for cold drawn and machined guide rails with dry or lubricated surface; down or bi-directional.

GENERAL DATA

2.1 General Specifications PC13DA / PC13DO / PC13UP / PC13GA / PC13GO and PC13GU:

General	
maximum tripping speed	: 3.5 m/s
guide rails	: Machined / Cold Drawn
guide rail thickness	: 5 – 16 mm
minimum gripping width on guide rail	: 20 mm
lubrication means (oil) of quality	: HLP-oils (DIN 51524, Part 2)

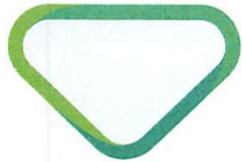
2.2 Permissible total mass for safety gear operation:

Guide rail surface	: min. – max. total mass
Dry cold drawn guide rails	: 177 – 2200 kg
Oiled cold drawn guide rails	: 176 – 2200 kg
Dry machined guide rails	: 219 – 2600 kg
Oiled machined guide rails	: 268 – 2600 kg

2.3 Brake force allowed for ascending car overspeed protection:

Guide rail surface	: min. – max. brake force
Dry cold drawn guide rails	: 2832 – 35200 N
Oiled cold drawn guide rails	: 2816 – 35200 N
Dry machined guide rails	: 3504 – 41600 N
Oiled machined guide rails	: 4288 – 41600 N

See annex 1 for a general overview of the product.



2. Conditions

Additional to or in deviation of the applicable demands in the considered requirements / standards (see certificate and/or page 1 of this report), the following conditions shall be taken into account:

- The safety gear and/or ascending safety device shall be adjusted according 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 81-20:2014 clause 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 81-50:2014 clause 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.
 - The safety gear and overspeed governor combination shall ensure that the values required by EN 81-20 clause 5.6.7.5 are not exceeded.
 - The operation distance of the safety gear is 11.5 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 type-examination Liftinstituut B.V. issues a type-examination certificate.

The type-examination certificate is only valid for products which are in conformity with the same specifications as the type certified product. The 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 type-examination certificate.



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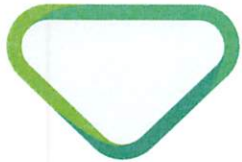
4. CE marking and EC Declaration of conformity

Every product that is placed on the market in complete conformity with the examined type must be provided with a CE marking according to annex III of the Directive under consideration that conformity with eventually other applicable Directives is proven. Also every product must be accompanied by an EC 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 type-examination certificate.

Prepared by:

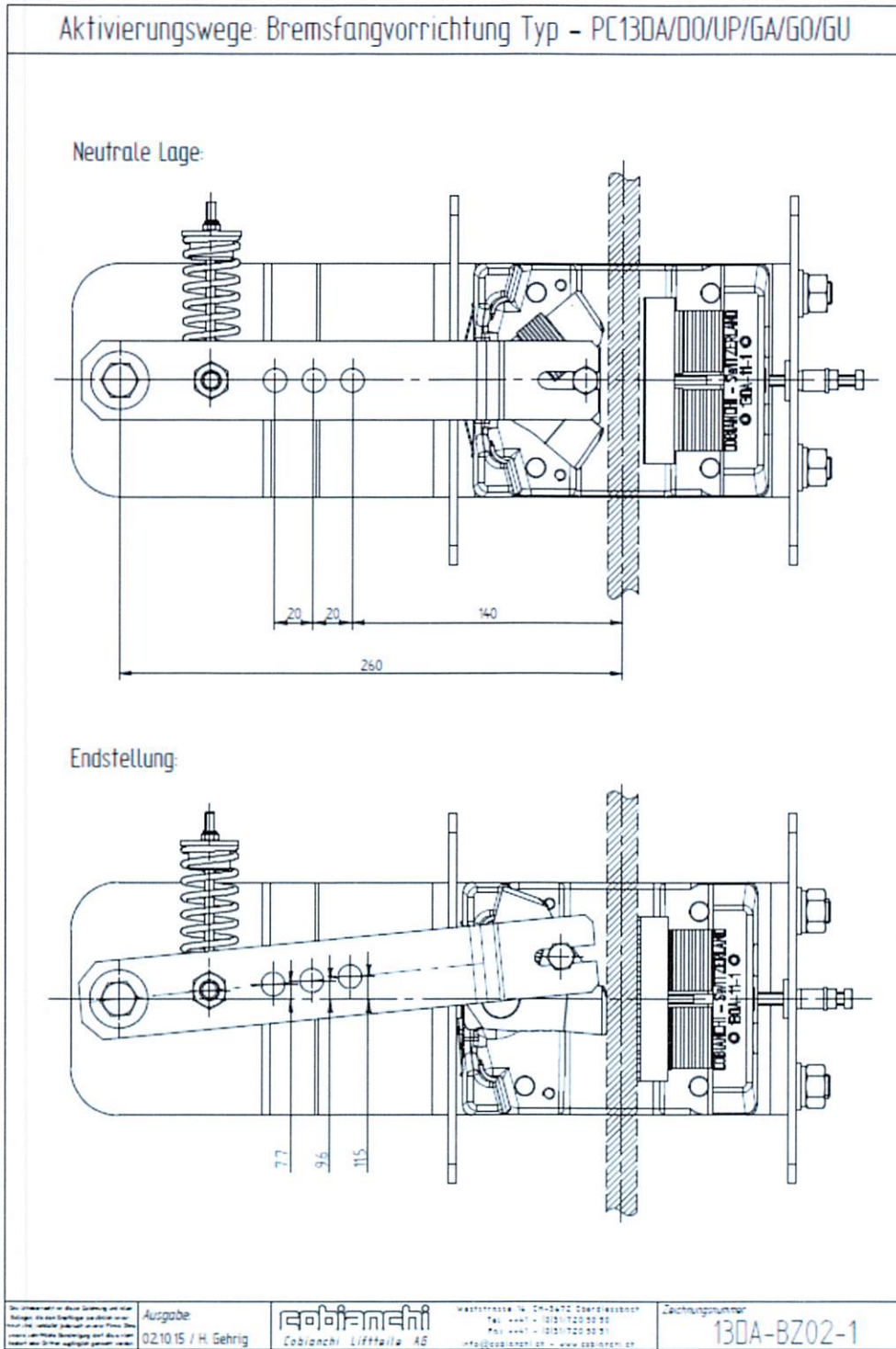
A. van den Burg
Product Specialist Certification
Liftinstituut

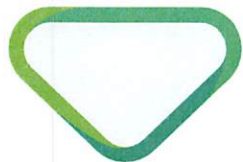
Certification decision by:



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Annex 1. General overview of the product

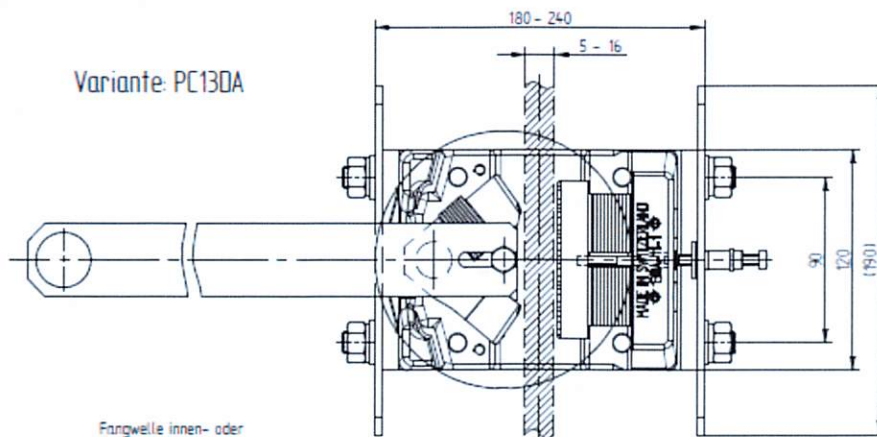




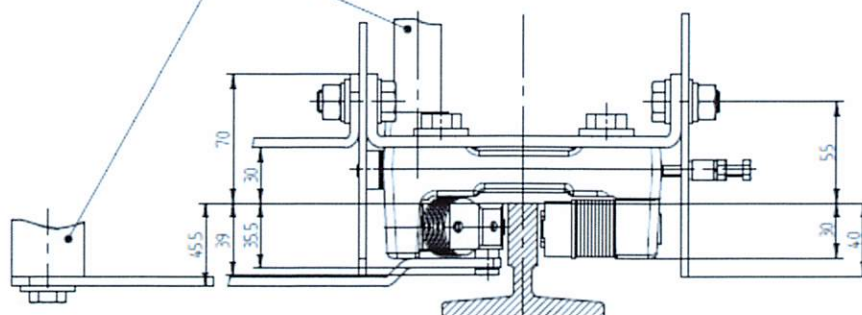
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Bremsfangvorrichtung Typ - PC13DA / DO / UP

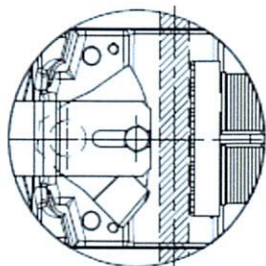
Variante: PC13DA



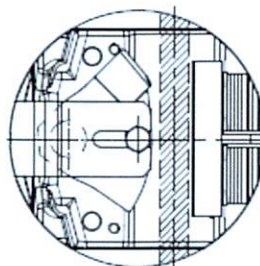
Fangwelle innen- oder
nussenliegend



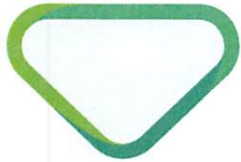
Variante: PC13DO



Variante: PC13UP



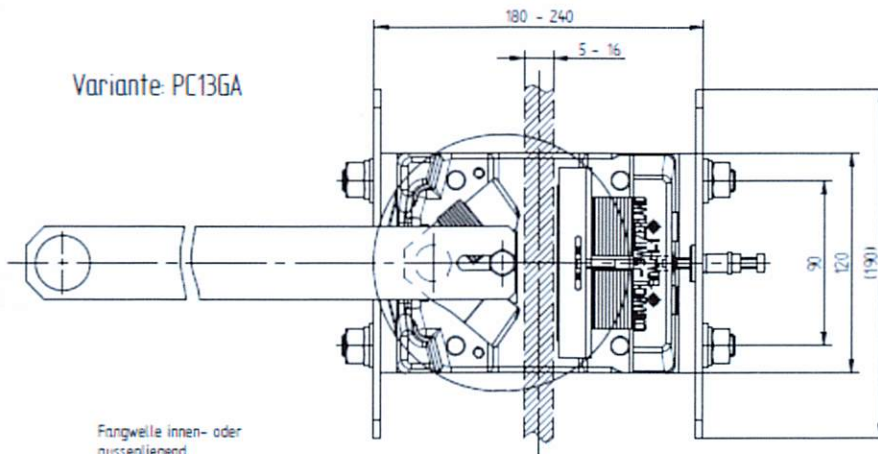
<small>Alle Linienzahlen in dieser Zeichnung sind nach Maßgabe der nachfolgenden Tabelle anzunehmen. Sollten sich Änderungen ergeben, so sind diese durch die jeweilige Zeichnung zu berücksichtigen. Sollten sich Änderungen ergeben, so sind diese durch die jeweilige Zeichnung zu berücksichtigen.</small>	Ausgabe 02.10.15 / H. Gehrig	 Cobianchi Liftteile AG	Werkstrasse 14, CH-3472 Coarlassioner Tel. +41 71 811 120 99 90 Fax. +41 71 811 120 99 91 info@cobianchi.ch - www.cobianchi.ch	Zeichnungsnummer 130A-BZ01-1
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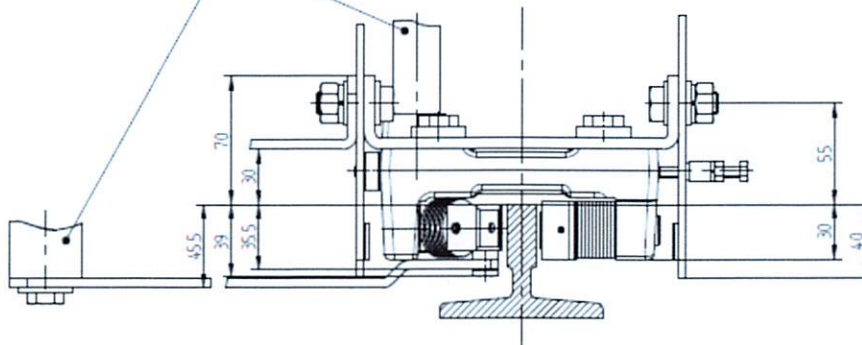
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Bremsfangvorrichtung Typ - PC13GA / GO / GU

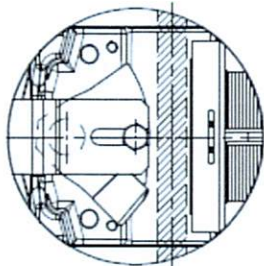
Variante: PC13GA



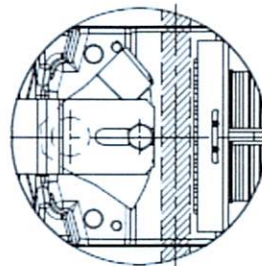
Fangwelle innen- oder
ausenliegend



Variante: PC13GO



Variante: PC13GU



Die Firma stellt in dieser Zeichnung ein Bild
dar, das den Gegenstand darstellt, wie er
aus der Fabrik geliefert wird. Diese
Zeichnung ist keine Garantie für die
Richtigkeit der Dimensionen.

Ausgabe:
02.10.15 / H. Gehrig

सबानिनिवर्ती
Cobianchi Liffville AG

Weststrasse 14, CH-2472 Oberrieden
Tel: +41 - (0)21 720 92 92
Fax: +41 - (0)21 720 92 91
info@cobianchi.ch - www.cobianchi.ch

Zeichnungsnummer
13GA-BZ01-1



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

Title	Document number	Date
request	150121	January 21, 2015
test protocol intermediate PC13GO	170330	March 30, 2017
test protocol intermediate PC13GO	2020	July 14, October 22 & 27, 2020
PC13XX_TCF	210118	January 18, 2021

Annex 3. Reviewed deviations from the standards

EN xx-x par.	Requirement	Accepted design
x.x.x		

Annex 4. Revision of the certificate and its annex

Rev.:	Date	Summary of revision
-	March 26 th , 2009	Original
1	November 5 th , 2010	New brake element
2	October 10 th , 2013	Introduction of sliding shoe
3	September 25 th , 2015	Adoption of EN 81-20/50
4	March 31 st , 2016	Update to 2014/33/EU
5	March 15, 2021	Recertification after 5 years, Update to EN 81-20:2020, EN81-50:2020