



liftinstituut
SINCE 1933



EU-TYPE EXAMINATION CERTIFICATE

Issued by Liftinstituut B.V.
identification number Notified Body 0400,
commissioned by Decree no. 2022-0000107366

Certificate no. : NL13-400-1002-100-05 Revision no.: 3
Description of the product : Progressive safety gear working in the up or down direction for
dry machined guide rails
Trademark : Cobianchi
Type no. : PC100 ES / US
Name and address of the manufacturer : Cobianchi Liftteile AG
Weststrasse 16
CH-3672 Oberdiessbach, Switzerland
Name and address of the certificate holder : Cobianchi Liftteile AG
Weststrasse 16
CH-3672 Oberdiessbach, Switzerland
Certificate issued on the following requirements : Lifts Directive 2014/33/EU
Certificate based on the following standard : EN 81-20:2020, EN 81-50:2020
EN 81-1:1998 + A3:2009
Test laboratory : None
Date and number of the laboratory report : None
Date of EU-type examination : November 2022
Additional document with this certificate : Annex belonging to the EU-type examination certificate
no.: NL13-400-1002-100-05 Rev. 3
Additional remarks : Maximum nominal speed 4,00 m/s
Maximum tripping speed 5,06 m/s
Load range 1090 – 5000 kg
Brake force range 17440 – 80000 N

This revision replaces certificate NL13-400-1002-100-05 Rev. 2
of 07-07-2017
Conclusion : The safety component meets the requirements of the Lifts
Directive 2014/33/EU taking into account any additional remarks
mentioned above.

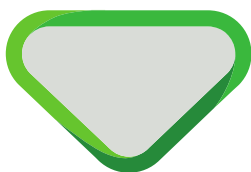
Amsterdam

Date : 02-11-2022
Valid until : 02-11-2027


ing A.J. van Ommen
International Business
Manager



Certification decision by



**Annex of EU-type examination certificate
NL13-400-1002-100-05**

Date of original certificate : October 10, 2013
Revision number / date : 3 / November 2, 2022
Project number : P220375

1. Description

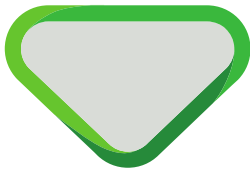
1.1 General:

Maximum nominal speed	4,00 m/s
Maximum tripping speed	5,06 m/s
Guiderails	Savera Extra or equal, machined
Guide rail thickness	16 – 31.75 mm
Minimum gripping width on guide rail	38 mm
Allowable mass range (P+Q)	1090 – 5000 kg
Brake force	17440 – 80000 N

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:

- All the parameters listed in chapter 1 should be met.
- 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 § 5.6.2.2.1 (e.g. max. nominal speed 4.0 m/s) and /or according to the requirements of EN81-1 § 9.9.1.
- 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 more than 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.



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

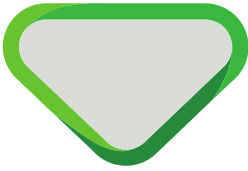
Every product that is placed on the market in complete conformity with the examined type must be provided with a CE marking according to art. 18 of the Lift directive 2014/33/EU under consideration that conformity with eventually other applicable Directives is proven. Also every product must be accompanied 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.

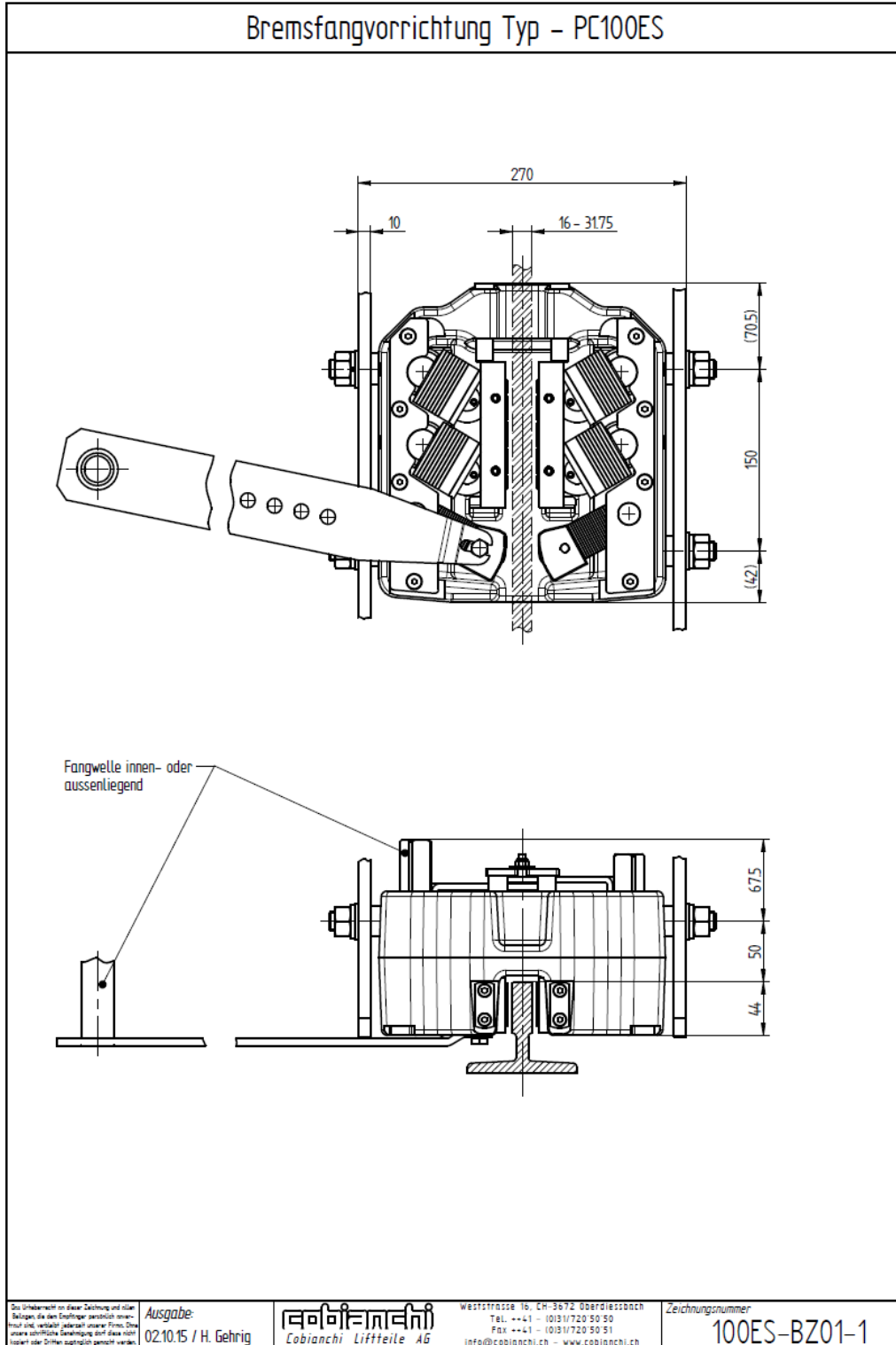
Prepared by:

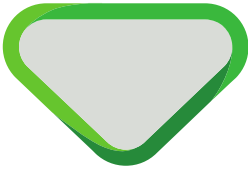
E. Bakker
Product Specialist Certification

Certification decision by:

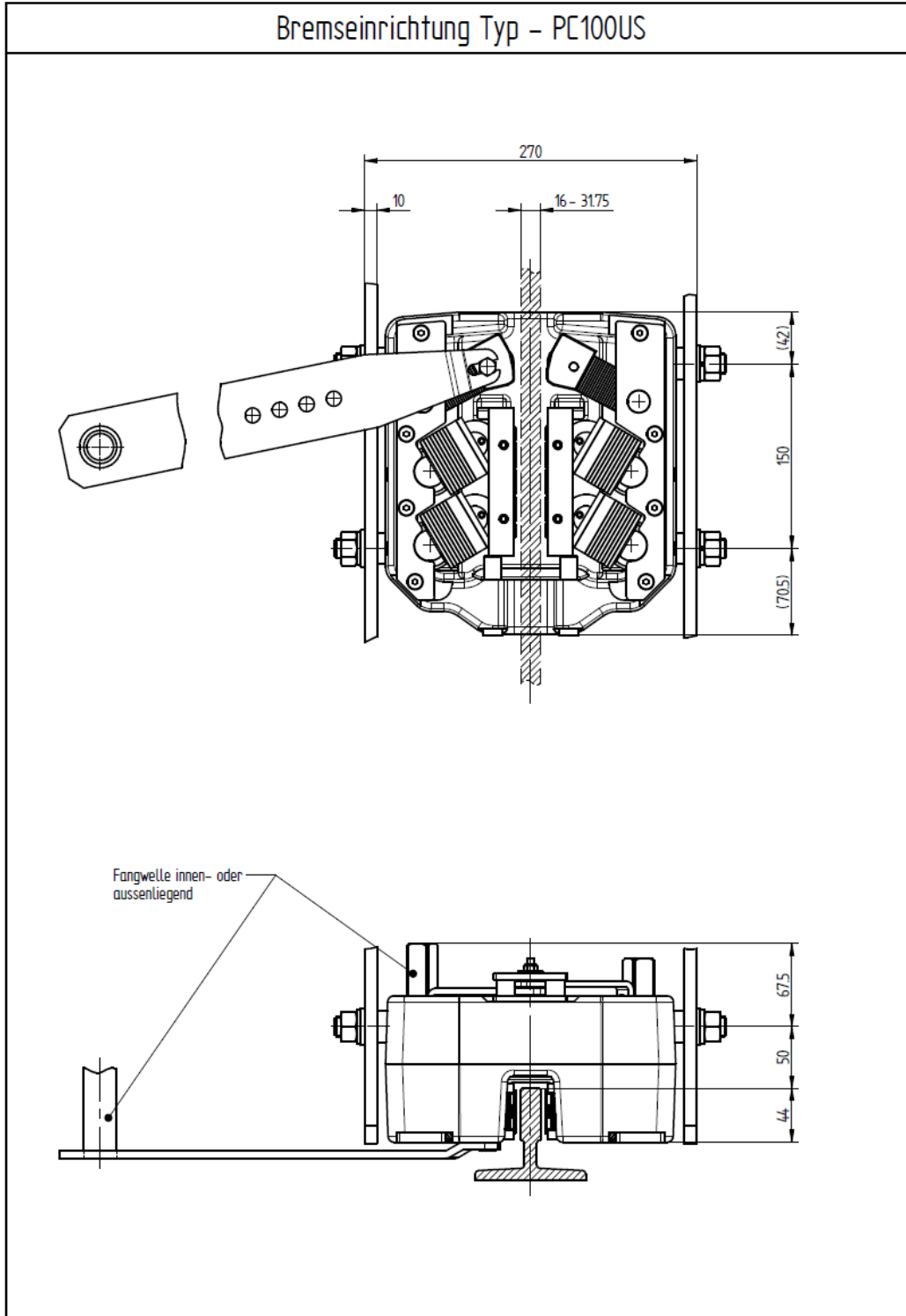


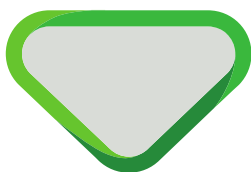
Annex 1.a Basic lay-out of PC100 ES





Annex 1.b Basic lay-out of PC100 US





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

Title	Document number	Date
Betriebsanleitung PC100ES, PC100US	-	Sept., 2013
Berechnung PC100US	03.09.13 / HG	Sept. 3 rd , 2013
Berechnung PC100ES	03.09.13 / HG	Sept. 3 rd , 2013
Reibwerte	100ES-DOK02-1	Sept. 3 rd , 2013
Gehäuseausdehnung	100ES-DOK02-2	Sept. 3 rd , 2013
Tellerfeder – Diagramm	100ES-DOK03-1	Sept. 3 rd , 2013
FE-Analyse PC100	-	April, 2008
Drawing of PC100ES	100ES-BZ01-1	Oct. 2 nd , 2015
Drawing of PC100US	100US-BZ01-1	Oct. 2 nd , 2015
Drawing Zusammenstellung	100ES-BA01-1	Sept. 11 th , 2013
Drawing Auslösewelle	100ES-06-01	Sept. 3 rd 2021
Drawing Wellenendstück	100E-06-02	Sept. 3 rd 2021
Drawing Flanke	100E-10-1	Sept. 25 th 2020

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
-	October 10 th , 2013	Original
1	September 24 th , 2015	Adoption of EN 81-20/50
2	July 7 th , 2017	Implementation of Directive 2014/33/EU
3	November 2, 2022	Certification renewal. Standard version updated. Annex 2 updated with changes.