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TYPE EXAMINATION CERTIFICATE FOR LIFTCOMPONENTS

Issued by Liftinstituut B.V.

Certificate no. : NL19-400-1002-100-08 Revision no.: 1

Description of the product : Progressive safety gear for machined guide rails with lubricated surface; up or down

Trademark : Cobianchi Lifteile AG

Type no. : Cobianchi, PC250E / PC250U

Name and address of the manufacturer : Cobianchi Lifteile AG
Weststrasse 16
CH-367 2 Oberdiessbach, Switzerland

Name and address of the certificate holder : Cobianchi Lifteile AG
Weststrasse 16
CH-367 2 Oberdiessbach, Switzerland

Certificate based on the following standard : EN 81-20:2020
EN 81-50:2020

Test laboratory : None

Date and number of the laboratory report : None

Date of type examination : August 2024

Additional document with this certificate : Report belonging to the type examination certificate no.: NL19-400-1002-100-08 rev.1

Additional remarks : This revision replaces certificate NL19-400-1002-100-08 of 08-10-2019

Conclusion : The product meets the requirements / standards referred to in this certificate considering any additional remarks mentioned above

Amsterdam

Date : 04-09-2024
Valid until : 04-09-2029

Certification decision by

W. Visser
Certification Expert



Annex of EU-type examination certificate NL19-400-1002-100-08

Date of original certificate : 08-10-2019
Revision number / date : 01 / 04-09-2024
Project number : P240189

1. Description

The PC250U and PC250E is a progressive safety gear type for machined guide rails with lubricated surface. It is used in the up and down direction.

The safety gear can be used as a safety gear and/or as the stopping element of the protection against uncontrolled upward movement and/or as the stopping element of the unintended car movement protection in up or downward direction.

For application of the safety gear as stopping element of the unintended car movement protection, for calculation purposes, an operation distance of the safety gear of 53 mm maximum shall be taken into account.

2.1 General:

maximum tripping speed	: 2.63 m/s
guide rails	: Machined
guide rail thickness	: 15,88 – 31,75 mm
minimum gripping width on guide rail	: 40 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
Oiled machined guide rails	: 8300 – 25000 kg

2.3 Brake force allowed for ascending car overspeed protection:

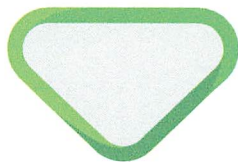
Guide rail surface	min. – max. brake force
Oiled machined guide rails	: 132800 – 400000 N

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 par.5.6.2.2.1(e.g. max. nominal speed 2.0 m/s).
- The mass stated may differ 7.5% from the mass adjustment (EN 81-50 par. 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 1g during the stopping phase.



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- 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 § 5.6.7.5 are not exceeded.
 - o The operation distance of the safety gear is 53 mm maximum and the maximum tripping speed is 2.0 m/s.
 - o These values shall be verified by the installer of the complete lift.
 - o The safety gear will activate even with very low speeds.
- The safety gear can be adopted for the use on EN 81-77:2018 compliant lifts, to comply with § 5.4.2 of the EN 81-77:2018 the safety gear is fitted with a 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 annex III of the Lifts 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 EC 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:

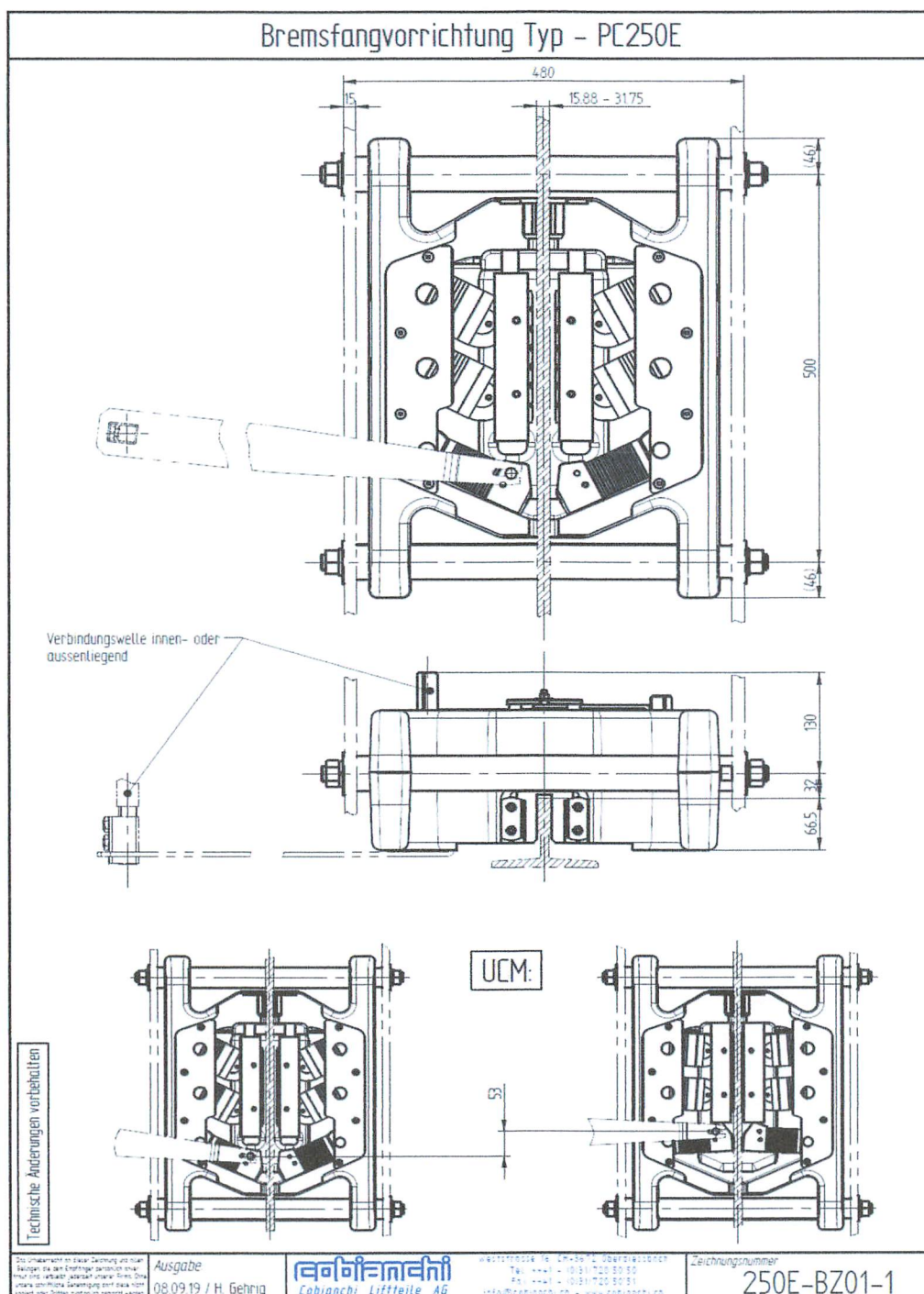
W. Visser
Certification Expert



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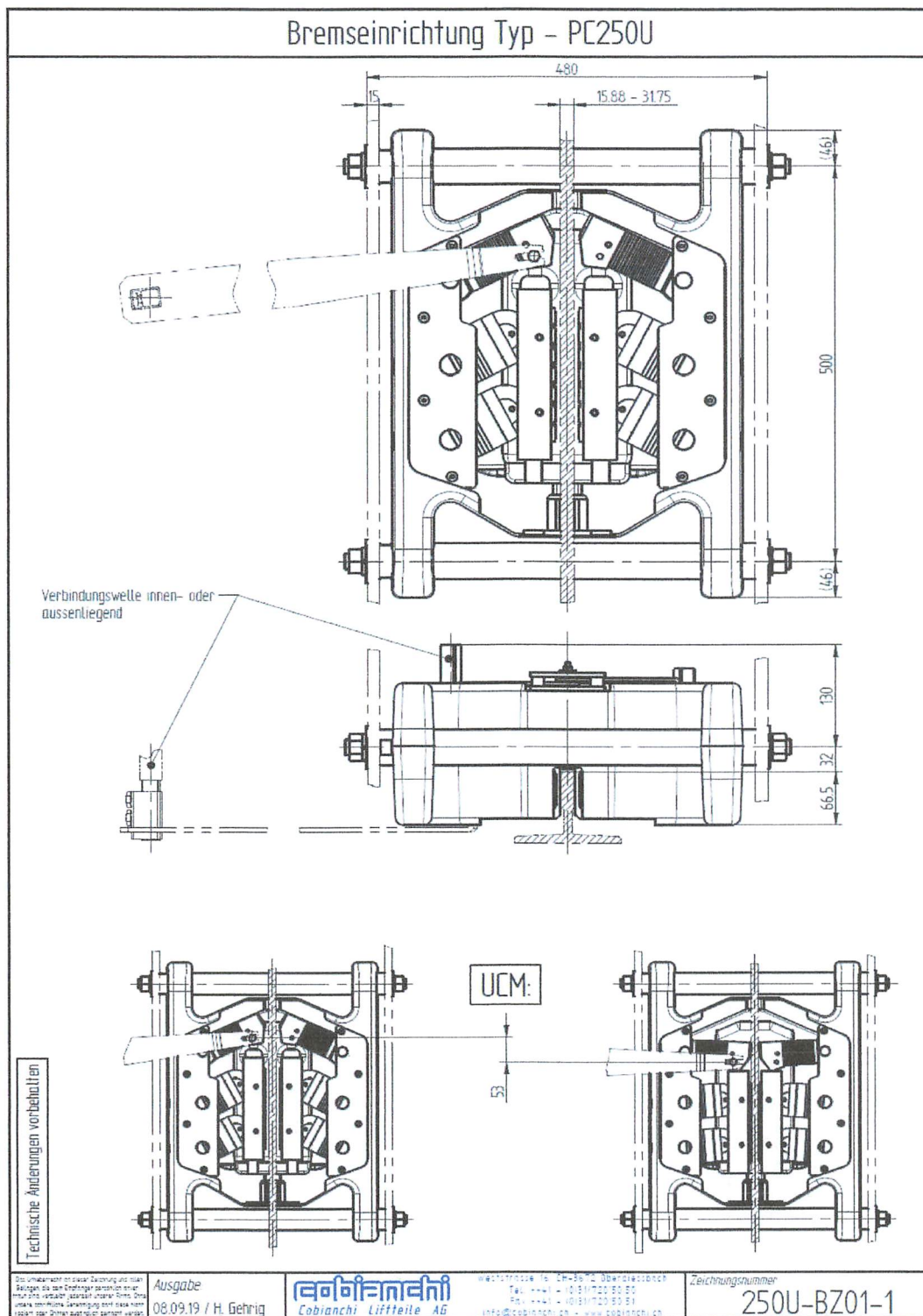


Annex 1. General overview of the product





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

Title	Document number	Date
Drawing PC250E	250E-BZ01-1	08-09-2019
Drawing PC250U	250U-BZ01-1	08-09-2019
Reibwertkurven	250E-DOK02-1	08-09-2019
Gehäuseausdehnung	250E-DOK02-2	08-09-2019
Tellerfedern	250E-DOK03-1	08-09-2019
Einzugheber	250E-DOK03-2	08-09-2019
Betriebsanleitung PC250E	-	12-09-2019
Berechnung Aufnahmeachsen 250E	-	12-09-2019
Berechnung Einstellmass 250E	-	10-09-2019
Berechnung Einstellmass 250U	-	10-09-2019
Festigkeitsbeurteilung Gehäuse PC250E	-	06-09-2019
Corex HLP	-	-
PC250E_Kennlinien_Tellerfedern_Schnorr	-	-

Annex 4. Revision of the certificate and its annex

Rev.:	Date	Summary of revision
-	10-12-2021	Original
1	04-09-2024	Renewal ; No changes Declaration of the safety gear to be used for UCMP added

--- End of report ---