



liftinstituut
SINCE 1933



EU-TYPE EXAMINATION CERTIFICATE

Issued by Liftinstituut B.V.
identification number Notified Body 0400,
commissioned by Decision no. 2023-0000172941

Certificate no. : NL07-400-1002-100-01 Revision no.: 7

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 : Cobiانchi

Type no. : PC24DA / PC24DO / PC24UP / PC24GA / PC24GO, PC24GU, PC24GA-F, PC24GO-F und PC24GU-F

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

Name and address of the certificate holder : Cobiانchi 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 : Parts of: EN 81-20:2020, EN 81-50:2020 ; EN 81-21:2022
EN 81-1:1998 + A3:2009, EN 81-2:1998 + A3:2010

Test laboratory : Testtower Cobiانchi Liftteile AG
Thun, Switzerland

Date and number of the laboratory report : December 10, 2010; March 2024

Date of EU-type examination : May 2025

Additional document with this certificate : Annex belonging to the EU-type examination certificate
no.: NL07-400-1002-100-01 Rev. 7

Additional remarks : This revision replaces certificate NL07-400-1002-100-01 Rev. 6
of 27-05-2020

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

Authorised by

W.G. Kasteleijn
Product Manager Certification

Amsterdam

Date : 22-05-2025
Valid until : 22-05-2030



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

Date of original certificate : 11-10-2007
Revision number / date : 7 /22-05-2025
Project number : PR-BUC-000716 (P240189)

1. Description

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)
Standard safety gear	:	PC24DA / PC24DO / PC24UP / PC24GA / PC24GO / PC24GU,
Freeze safety gear (-40°C)	:	PC24GA-F / PC24GO-F / PC24GU-F

1.2 Permissible total mass for safety gear operation:

		Min. – max. total mass	
Guide rail surface		Standard	Freeze -40°C
Dry cold drawn guide rails	:	1201 – 4100 kg	1201 – 3000 kg
Oiled cold drawn guide rails	:	1192 – 3700 kg	
Dry machined guide rails	:	1169 – 5498 kg	1169 – 4000 kg
Oiled machined guide rails	:	1118 – 5300 kg	

1.3 Brake force allowed for ascending car overspeed protection:

		Min. – max. brake force	
Guide rail surface		Standard	Freeze -40°C
Dry cold drawn guide rails	:	19216 – 65600 N	19216 – 48000 N
Oiled cold drawn guide rails	:	19072 – 59200 N	
Dry machined guide rails	:	18704 – 87968 N	18704 – 64000 N
Oiled machined guide rails	:	17888 – 84800 N	

See annex 1 for a general overview of the product.



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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 a triggering device with its actuation means for tripping (e.g. overspeed governor or breakage of suspension means) fulfilling the requirements of EN 81-20:2020 clause 5.6.2.2.1 (e.g. max. nominal speed 2.7 m/s) and 5.6.2.2.2 as long as the maximum tripping speed of 3.5 m/s will not be exceeded.
- 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.
 - 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.
- For low temperatures indicated with an F in the type indication an other housing is used this will be indicated with the words Freeze on the housing. The safety gear can only be used on dry guide rails and within the range as indicated in chapter 1. The safety gear is safe to use up to -40°C.
- The safety gear types PC24GA / PC24GO / PC24GU can be adopted as stopping gear according to EN 81-21 par. 3.3 for the use in a pre-triggered stopping system according to EN 81-21 par. 5.5.2.3. Any other part of the pre-triggering stopping system is excluded from this approval.



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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 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 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

Authorised by:

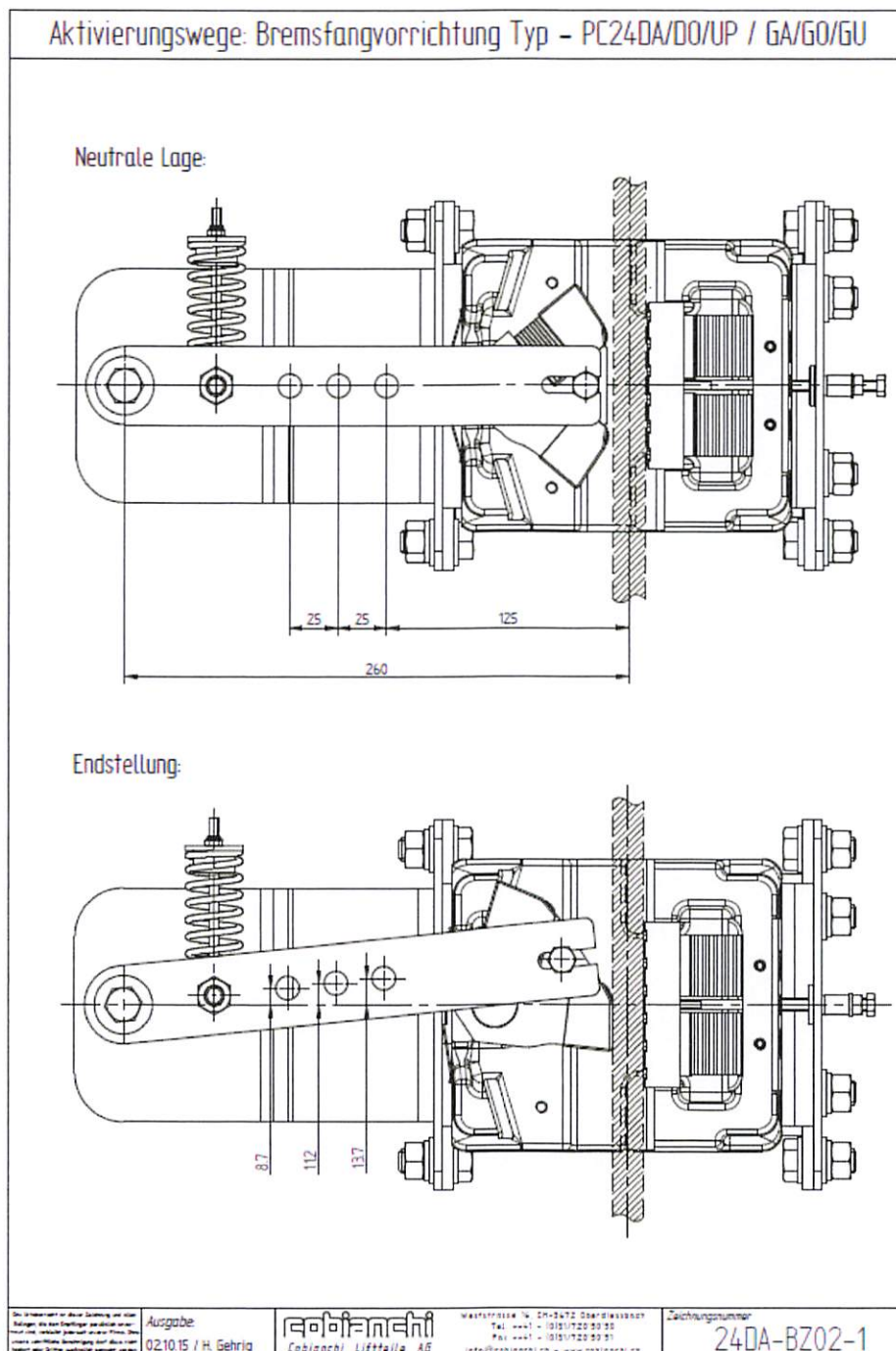
W.G. Kasteleijn
Product Manager Certification



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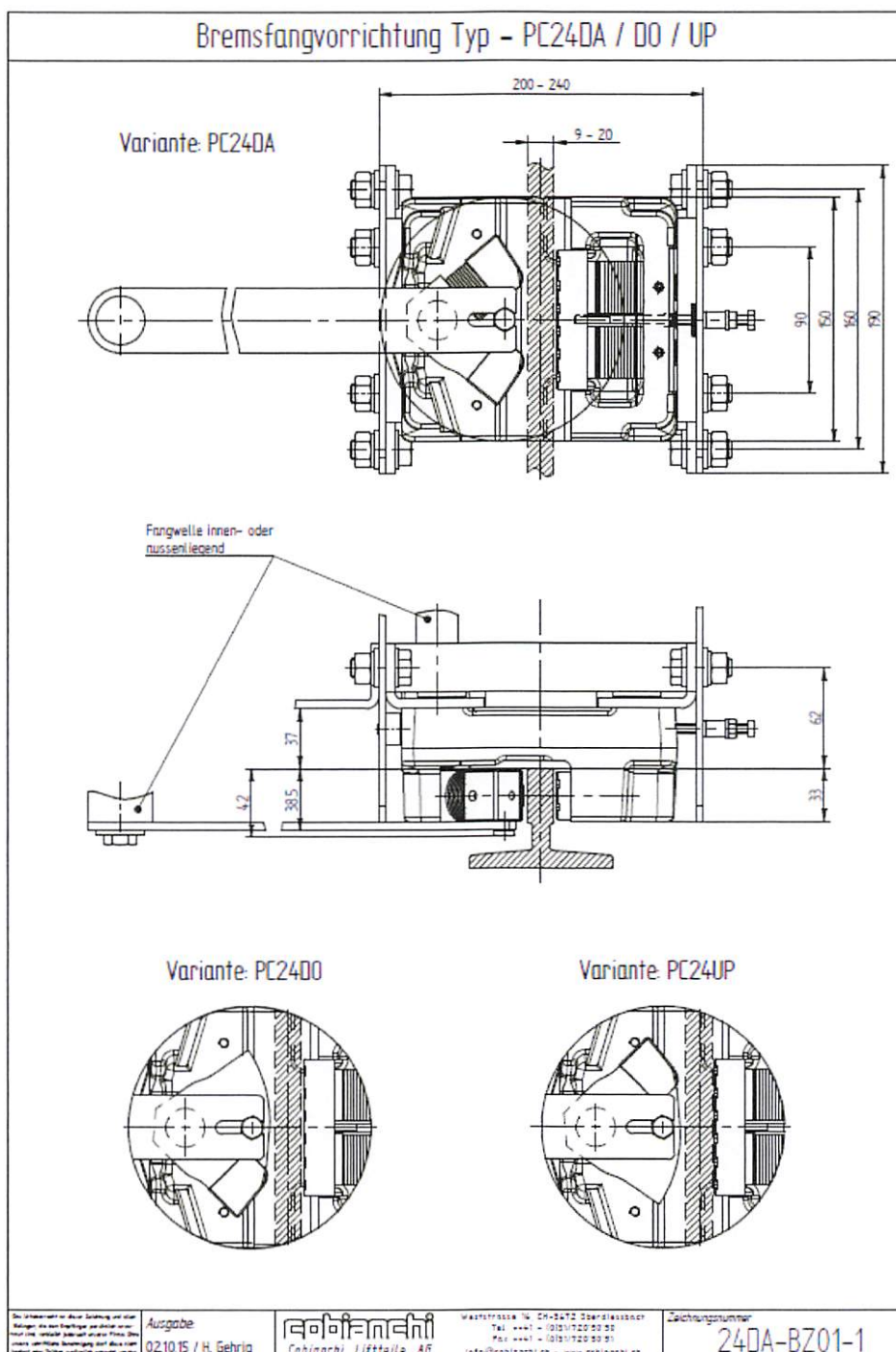


Annex 1. General overview of the product



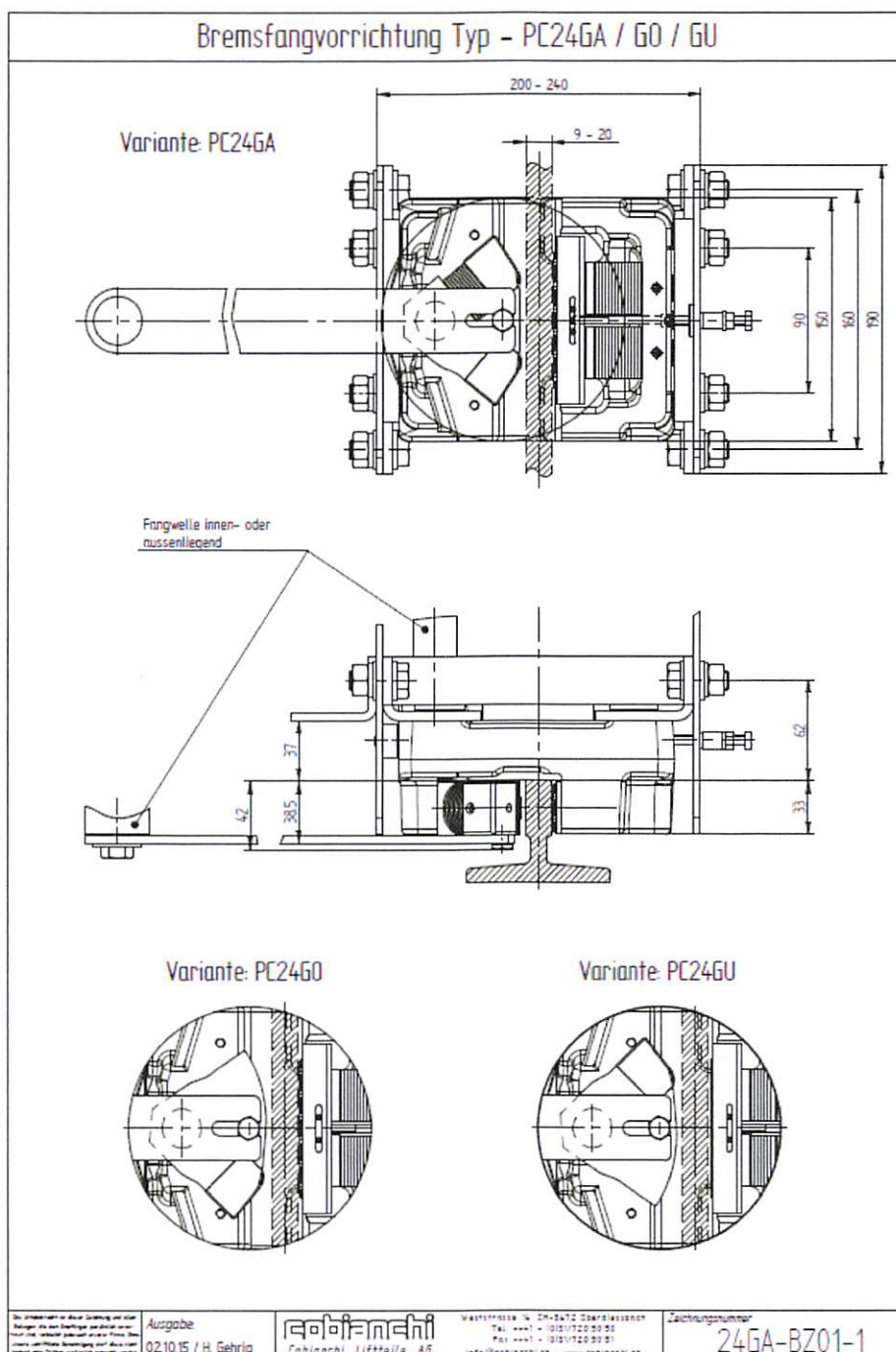


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Annex 2. Documents of the Technical File which were subject of the examination

The used technical documents which were subject of the examination are listed in the Liftinstituut technical file: 1002-100-01 rev.7 , belonging to the certification.

Annex 3. Revision of the certificate and its annex

Rev.:	Date	Summary of revision
-	11-10-2007	Original
1.1	25-03-2009	Editorial changes, new report and annex layout and updated drawings and graphs
2	10-12-2010	New brake element
3	10-10-2013	Introduction of sliding shoe
4	25-09-2015	Adoption of EN 81-20/50
5	31-03-2016	Update to 2014/33/EU
6	27-05-2020	Update to include Freeze version (-40°C)
7	22-05-2025	Renewal certificate Introduction PC24 as pre-triggered stopping gear according to EN 81-21:2022 par. 5.5.2.3.

--- End of report ---