



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. : NL16-400-1002-100-04 Revision no.: 1

Description of the product : Progressive safety gear for cold drawn round hollow and round massive guide rails with oiled surface; up, down or bi-directional

Trademark : Cobianchi

Type no. : PC14RU / PC14RO

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 : Lift directive 2014/33/EU

Certificate based on the following standard : Parts of EN 81-20:2020 and EN 81-50:2020: EN 81-20:2014, EN 81-50:2014, EN 81-1/2:1998 + A3:2009

Test laboratory : LNE, Laboratoires de Trappes, Trappes, France
DNV, Høvik, Norway

Date and number of the laboratory report : November 3, 2006 / F08089
November 4, 2011, 104980-2011-CE-NOR

Date of EU-type examination : November 25, 2021

Additional document with this certificate : Annex belonging to the Eu type examination certificate no.: NL16-400-1002-100-04 rev.1

Additional remarks : This revision replaces certificate: NL16-400-1002-100-04 rev.- of November 3, 2016

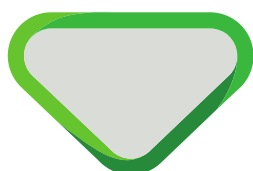
Conclusion : The safety component meets the requirements of the Lifts Directive 2014/33/EU taking into account any additional remarks mentioned above.

Amsterdam

Date : 02-12-2021
Valid until : 02-12-2026


ing A.J. van Ommen
International Business
Manager


Certification decision by



**Annex of EU-type examination certificate
NL16-400-1002-100-04**

Date of original certificate : November 3, 2016
Revision number / date : 1 / 02-12-2021
Project number : P210423

1. Description

Progressive safety gear for cold drawn round hollow and round massive guide rails with oiled surface; up, down or bi-directional.

1.1 General Specifications for PC14RU and PC14RO:

maximum tripping speed	:	2.6 m/s
guide rails	:	Cold Drawn Hollow or Massive
guide rail diameter	:	45 - 50 and 55 - 60 mm
lubrication means (oil) of quality	:	API CD SAE 30

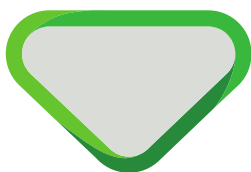
1.2 Permissible total mass for safety gear operation:

Guide rail surface		min. – max. total mass
Oiled cold drawn massive guide rails 45 - 50 and 55 - 60 mm	:	410 – 1760 kg
Oiled cold drawn hollow guide rails 45 - 50 and 55 - 60 mm with minimum thickness of 5 mm	:	410 – 900 kg
Oiled cold drawn hollow guide rails 45 - 50 and 55 - 60 mm with minimum thickness of 7 mm	:	410 – 1200 kg

1.3 Brake force allowed for ascending car overspeed protection:

Guide rail surface		min. – max. brake force
Oiled cold drawn massive guide rails 45 - 50 and 55 - 60 mm	:	6560 – 28160 N
Oiled cold drawn hollow guide rails 45 - 50 and 55 - 60 mm with minimum thickness of 5 mm	:	6560 – 14400 N
Oiled cold drawn hollow guide rails 45 - 50 and 55 - 60 mm with minimum thickness of 7 mm	:	6560 – 19200 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:

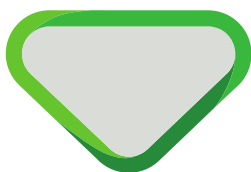
On this certificate the following conditions apply:

- 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 has one type of moving brake shoe which is suitable for $\varnothing$ 45-60 mm.
- The safety gear has two types of rotating brake shoes. One type is suitable for $\varnothing$ 45-50 mm the other type is suitable for $\varnothing$ 55-60 mm.
- The safety gear shall be activated by an overspeed governor fulfilling the requirements of EN 81-1 chapter 9.9 and EN 81-20 chapter 5.6.2.2.1.1 (e.g. max. nominal speed 2.0 m/s)
- The mass stated may differ 7.5% from the mass adjustment (EN81-50:2020, clause 5.3.4 a)
- 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.

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.



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4. CE marking and EU Declaration of conformity

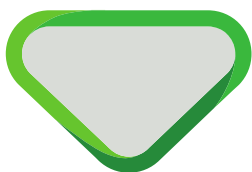
Every product that is placed on the market in complete conformity with the examined type must be provided with a CE marking according to art. 18 of the Lift directive 2014/33/EU under consideration that conformity with eventually other applicable Directives is proven. Also every product must be accompanied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

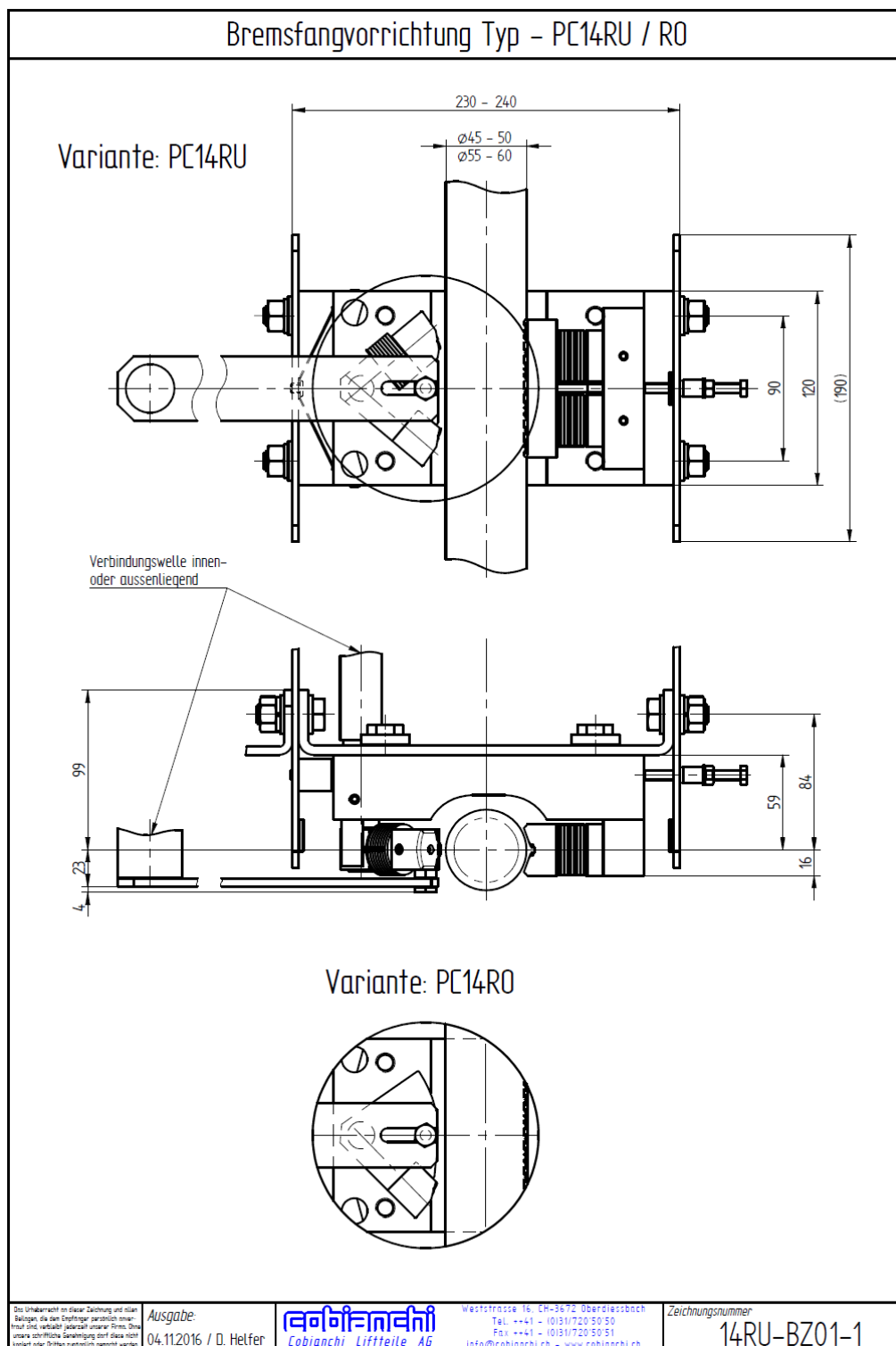
Certification decision by:

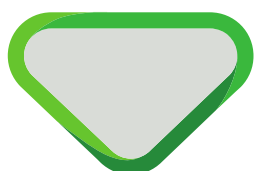


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Annex 1. General overview of the product





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

Title	Document number	Date
Adjustment-settings	PC14RO-PC14RU	21-09-11
Drawings	PC14RO-PC14RU	Various from 12-12-02 to 09-06-20
Prüfergebnisse	14RU-DOK01-3	14-03-2006
Prüfergebnisse	14RU-DOK01-3	10-07-2006
Prüfergebnisse	14RU-DOK01-3	03-11-2006
Berechnung	14RU-DOK01-1	04-01-2007
EC-Type examination	104980-2011-CE-NOR	11-04-2011
EC-Type examination	F080895 / CQPE/1	12-12-2005
EC-Type examination	CQPE/2 0071/0106/01	30-11-2006
EC-Type examination	CQPE/3 0071/0106/02	30-11-2006
Prüfergebnisse PC14RU/ PC14RO	-	03-11-2006
Operating instructions PC14RU/ PC14RO	PX14RX_E	April 2016
General drawing	14RU-BA01-01	21-09-2011
Bremseinsatz ø60 mm	14RU-09-2	03-10-2006
Bremskopf ø60 mm	14RU-09-4	18-12-2006
Bremsbacke flach	14RU-16-2	11-10-2007
Bremskopf ø50 mm	14RU-09-3	18-12-2006
Bremseinsatz ø50	14RU-09-1	03-10-2006

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
-	November 3 rd , 2016	Original
1	December 02 th , 2021	Recertification after 5 years, Update to EN 81-20:2020, EN81-50:2020