



Industrie Service

EU TYPE-EXAMINATION CERTIFICATE

According to Annex IV, Part A of 2014/33/EU Directive

Certificate No.: EU-SG 505

Certification Body of the Notified Body: TÜV SÜD Industrie Service GmbH
Westendstr. 199
80686 Munich – Germany
Identification No. 0036

Certificate Holder: Cobianchi Lifteile AG
Weststrasse 16
3672 Oberdiessbach – Switzerland

Manufacturer of the Test Sample: Cobianchi Lifteile AG
Weststrasse 16
3672 Oberdiessbach – Switzerland
(Manufacturer of Serial Production – see Enclosure)

Product: Progressive safety gear, braking device as part of the protection device against overspeed for the car moving in upwards direction

Type: PC30 _ _

Directive: 2014/33/EU

Reference Standards: EN 81-20:2014
EN 81-50:2014
EN 81-1:1998+A3:2009
EN 81-2:1998+A3:2009

Test Report: EU-SG 505 of 2016-01-27

Outcome: The safety component conforms to the essential health and safety requirements of the mentioned Directive as long as the requirements of the annex of this certificate are kept.

Date of Issue: 2016-01-27

Date of Validity: from 2016-04-20

Werner Rau

Werner Rau

Certification Body "lifts and cranes"



Annex to the EC Type-Examination Certificate No. EU-SG 505 of 2016-01-27



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1 Scope of application

1.1 Generally

Following application possibilities refer to a brand new pair of safety gear depending on manufacture and condition of the guide rail running surface and maximum rated and tripping speed. The safety component can fulfil separately and in combination two security features according 1.2 and 1.3.

Guide rails to be used

Blade width 7 – 16 mm

Blade width using exclusively according 1.2 or 1.3 5 – 20 mm

Notes:

* Mineral oils without additives (e.g. lubrication oils C according DIN 51517, part 1)

1.2 Using as a progressive safety gear (acting downwards) - permissible total mass of car and rated load depending on maximum rated and tripping speed

Manufacturing of running surface	Condition guide rail	Minimum running surface width [mm]	Max. rated speed [m/s]	Max. tripping speed [m/s]	Total mass [kg] min. – max.
drawn	dry	32	2.00 – 2.17	2.50	225 – 3124
	oiled*	32	2.00 – 2.17	2.50	215 – 3205
	dry / oiled*	20	2.00 – 2.17	2.50	225 – 2038
machined	dry	32	2.00 – 2.17	2.50	195 – 3238
	oiled*	32	2.00 – 2.17	2.50	212 – 3533
	dry / oiled*	20	2.00 – 2.17	2.50	225 – 2038

1.3 Using as a braking device - part of the protection device against overspeed for the car moving in upwards direction (acting upwards) - permissible brake forces

Manufacturing of running surface	Condition guide rail	Minimum running surface width [mm]	Max. rated speed [m/s]	Max. tripping speed [m/s]	Brake force [N] min. – max.
drawn	dry	32	2.00 – 2.17	2.50	3530 – 49040
	oiled*	32	2.00 – 2.17	2.50	3378 – 50306
	dry / oiled*	20	2.00 – 2.17	2.50	3532 – 31984
machined	dry	32	2.00 – 2.17	2.50	3059 – 50830
	oiled*	32	2.00 – 2.17	2.50	3338 – 55458
	dry / oiled*	20	2.00 – 2.17	2.50	3532 – 31984

2 Terms and Conditions

2.1 Above mentioned safety component represents only a part at the protection device against overspeed for the car moving in upwards direction. Only in combination with a detecting and triggering component in accordance with the standard (two separate components also possible), which must be subjected to an own type-examination, can the system created fulfil the requirements for a protection device.

2.2 The forces acting on the guide rails shall be safety absorbed.

**Annex to the EC Type-Examination Certificate
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- 2.3 Mass configuration of the lift installation with regard to the permissible total mass and braking forces to be construed in a way that comply with the valid values of deceleration according standard EN 81-20 based on safety function (max. deceleration of the empty car in up direction not more than $1g_n$).
- 2.4 The installer of the complete lift must create an examination instruction to fulfil the overall concept of the protection device, add it to the lift documentation and provide any necessary tools or measuring devices, which allow a safe examination (e. g. with closed landing doors).
- 2.5 The identification drawings No. 30DA-BZ01-1 and 30DO-BZ01-1 including stamp dated 2016-01-27 shall be included to the EU type-examination for the identification and information of the general construction and operation and distinctness of the approved type.
- 2.6 The EU type-examination certificate may only be used in combination with the corresponding annex and enclosure (List of authorized manufacturer of the serial production). The enclosure will be updated immediately after any change by the certification holder.

3 Remarks

- 3.1 The working direction will be marked at the blank after the type designation PC30 __ by code letters (DA, DO, UP).
- 3.2 Pursuant to the comment standard EN 81-50, the total mass determined for adjustment purposes may be 7.5 % higher or lower.
- 3.3 The progressive safety gear can also be used to a counterweight in compliance with the permissible total mass according table 1.2 of this certificate till permissible tripping speed.
- 3.4 Examination of compliance with other requirements according standard, reduction of braking forces due to wear-and-tear or alterations to the installation due to the installation's operation such as alterations to the running surfaces of the guide rails, are not part of this type-examination.
- 3.5 This EU type-examination certificate was issued according to the following standards:
 - EN 81-1:1998 + A3:2009 (D), Annex F.3 and F.7
 - EN 81-2:1998 + A3:2009 (D), Annex F.3
 - EN 81-20:2014 (D), part 5.6.2.1.1.2 and part 5.6.6.11
 - EN 81-50:2014 (D), part 5.3 and 5.7

A revision of this EU type-examination certificate is inevitable in case of changes or additions of the above mentioned standards or of changes of state of the art.

**Enclosure to the EU Type-Examination Certificate
No. EU-SG 505 of 2016-01-27**



Industrie Service

Authorised Manufacturer of Serial Production – Production Sites (valid from: 2016-01-27):

Company	Cobianchi Lifteile AG
Address	Weststrasse 16 3672 Oberdiessbach – Switzerland

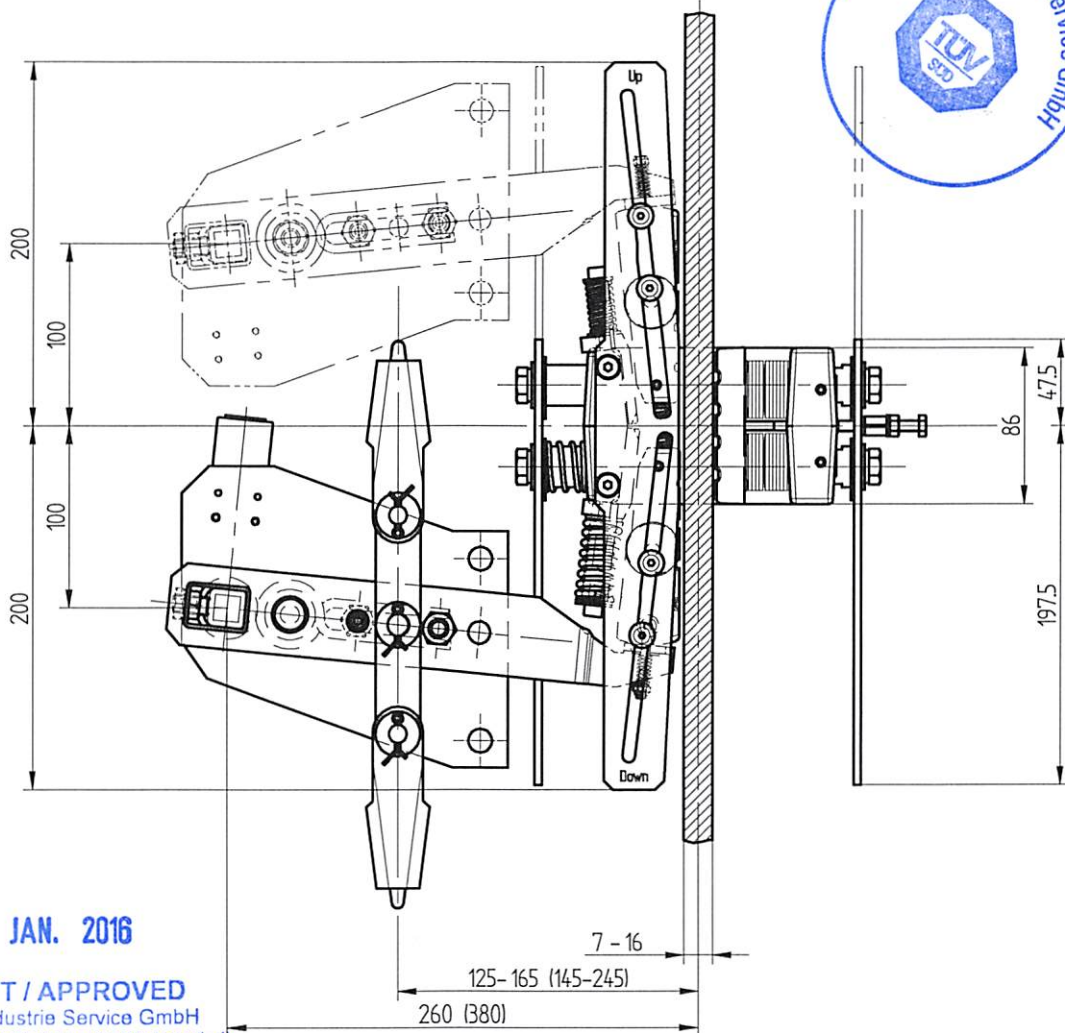
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Bremsfangvorrichtung Typ - PC30DA



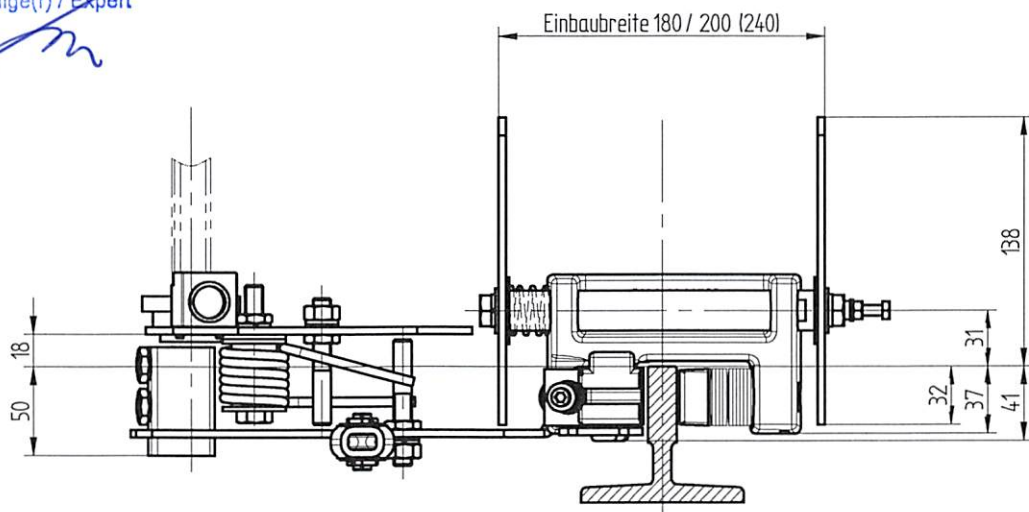
Ausführung mit
Heberangriff oben

Ausführung mit
Heberangriff unten



2 7. JAN. 2016

GEPRÜFT / APPROVED
TUV SUD Industrie Service GmbH
Prüflaboratorium für Produkte der Fördertechnik
Westendstraße 199
80686 München
Sachverständige(r) / Expert



Das Urheberrecht an dieser Zeichnung und allen
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unsere schriftliche Genehmigung darf diese nicht
kopiert oder Dritten zugänglich gemacht werden.

Ausgabe:
19.01.16 / D. Helfer

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Cobianchi Lifteile AG

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Zeichnungsnummer

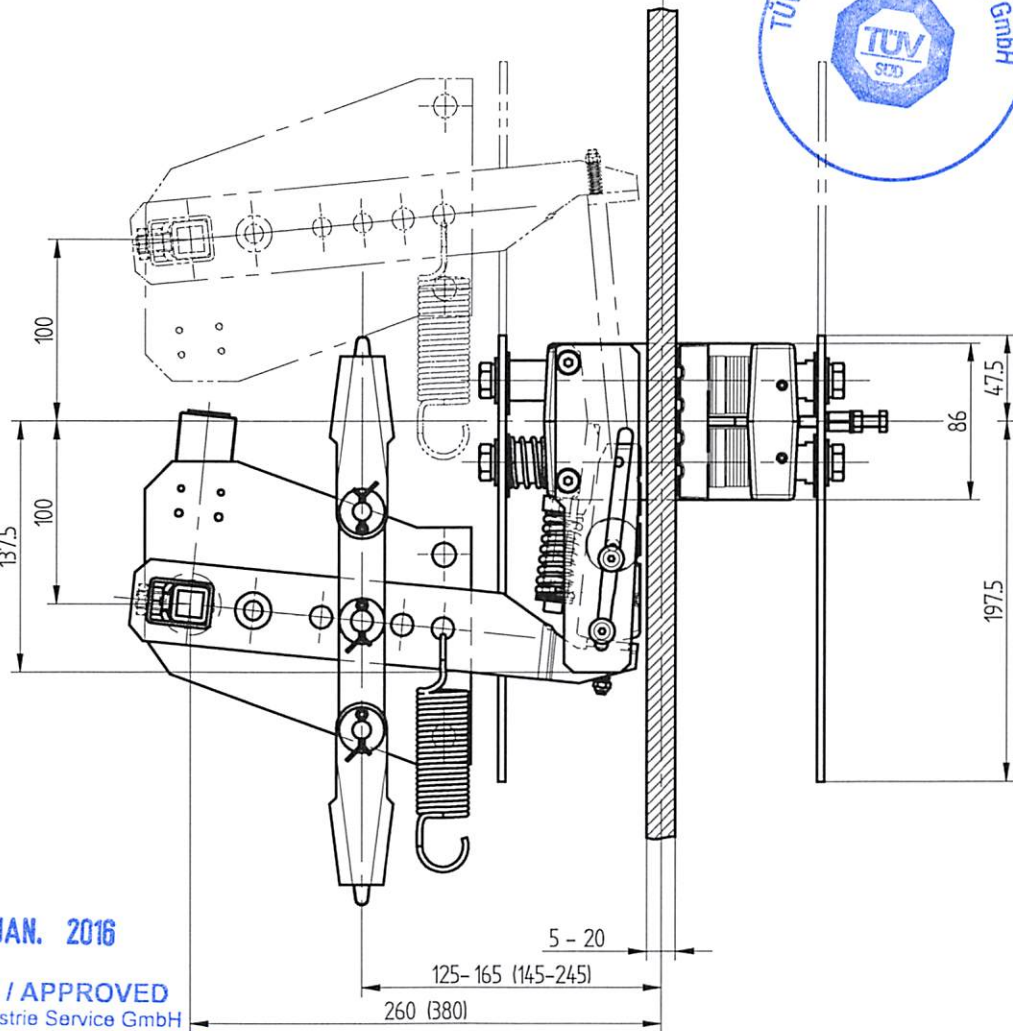
30DA-BZ01-1

Bremsfangvorrichtung Typ - PC3000 / PC30UP



Ausführung mit
Heberangriff oben

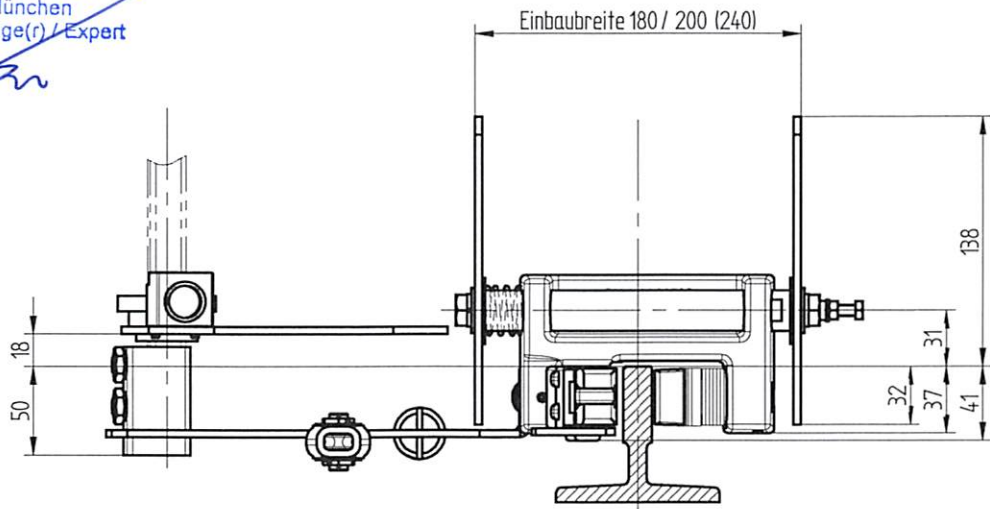
Ausführung mit
Heberangriff unten



27. JAN. 2016

GEPRÜFT / APPROVED
TÜV SÜD Industrie Service GmbH
Prüflaboratorium für Produkte der Fördertechnik
Westendstraße 199
80688 München
Sachverständige(r) / Expert

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Dargestellt ist die Bremsfangvorrichtung PC3000.
Die Bremsenrichtung aufwärts PC30UP ist analog,
jedoch um 180° gedreht.

Das Urheberrecht an dieser Zeichnung und allen
Beilagen, die dem Empfänger persönlich anver-
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Zeichnungsnummer

3000-BZ01-1