

# TYPE EXAMINATION CERTIFICATE FOR LIFTCOMPONENTS

Issued by Liftinstituut B.V.

Certificate no. : NL16-400-1002-196-05 Revision nr.: 1

Description of the product : Apron for reduced pit height

Trademark, type : Agui, Teleopic apron

Name and address of the manufacturer : TALLERES AGUI, S.A.  
Polígono Industrial Lintzirin-Gaina  
Parcela B-1  
20180 Oiartzun  
Gipuzkoa Spain

Name and address of the certificate holder : TALLERES AGUI, S.A.  
Polígono Industrial Lintzirin-Gaina  
Parcela B-1  
20180 Oiartzun  
Gipuzkoa Spain

Certificate issued on the following requirements : Lifts Directive 2014/33/EU

Certificate based on the following standard : Parts of : EN 81-21:2018, EN 81-20:2014

Test laboratory : None

Date and number of the laboratory report : None

Date of type examination : Aug. – Nov. 2016, May – July 2018

Additional document with this certificate : Report belonging to the type examination certificate no.: NL16-400-1002-196-05 Rev.1


Additional remarks : None

Conclusion : The lift component meets the requirements referred to in this certificate taking into account any additional remarks mentioned above.

Amsterdam

Date : 24-07-2018  
Valid until : 22-11-2021

  
ing. P.J. Peeters  
Manager

  
Certification decision by

## Report type-examination

Report belonging to type-examination : NL16-400-1002-196-05  
certificate no.  
Date of issue of original certificate : 22-11-2016  
Concerns : Component  
No. and date of revision : 1, 24-07-2018  
Requirements : Lifts Directive 2014/33/EU  
Parts of standards:  
EN 81-21:2018,  
EN 81-20:2014  
Project no. : P160225-01, P180167

### 1. General specifications

Name and address manufacturer : TALLERES AGUI, S.A.  
Polígono Industrial Lintzirin-Gaina  
Parcela B-1  
20180 Oiartzun  
Gipuzkoa Spain  
Description of component : Apron for reduced pit height  
Type : Telescopic apron  
Laboratory : -  
Address of examined component : Paseo de Ergobia, 25 Apto 79  
E-20115 Astigarraga  
Gipuzkoa, Spain,  
Polígono Industrial Lintzirin-Gaina  
Parcela B-1  
20180 Oiartzun  
Gipuzkoa Spain  
Data of examination : Aug. – Nov. 2016, May – July 2018  
Examination performed by : E. Verkaik

## 2. Description component

The Agui telescopic apron is to be installed whenever the pit depth is insufficient in order to install a car apron with length according to EN 81-20:2014.

It has two stable positions: in retracted position during normal operation of the car and extended position, only used during maintenance and rescue operations.

The apron is composed by a fixed part and an extendable part. The fixed part is mounted to the car sill support and stiffened by two angular profiles at both sides. The extendable part can consist of two or three plates and can slide down into the fixed part of the apron, by a telescopic sliding system, which provides stiffness of the apron in the extended position.

In the highest position the extendable part is held in place by a self-closing lock and this position is checked by a safety contact. This contact is in the safety circuit of the lift, which enables/disables normal operation of the lift.

Extending is performed from a landing, by using a triangular key. The extendable part will slide down in extended position by gravity, retained by hand, and the lowest position is also held in place by a self-closing lock.

In the extended position, the dimensions of the apron fulfil at least the demands of a car apron in EN 81-21:2018 and EN 81-20:2014.

To put the extended part in highest retracted position again is possible from the pit floor.

The bolts at the flat side of the apron are Flange Socket Button Head Screws according ISO 7380-2.

## 3. Examinations and tests

The examination covered a check whether compliance with the Lift Directive 2014/33/EU is met, if possible based on the harmonized product standards EN 81-21:2018 and EN 81-20:2014.

Issues not covered by or not complying these Standards are directly related to the above mentioned essential requirements based on the risk assessment, where applicable with the aid of harmonized A-and B-standards.

The examination included:

- Examination of the technical file (See annex 2).
- Check of strength and dimension demands according to EN 81-21:2018 and EN 81-20:2014.
- Examination of the representative model in order to establish conformity with the technical file.
- Inspections and tests to check compliance with the requirements.



## 4. Results

After the final examination the product and the technical file were found in accordance with the requirements. The functional tests passed without remarks. The strength tests passed without remarks and did not lead to permanent deformations or loss of stability.

## 5. Conditions

On the type-examination certificate the following conditions apply:

### General

- A direction dependent safety switch shall prevent further downwards inspection and rescue movement in the zone where the car apron, if not in retracted position, can collide with the pit floor.
- The retracted position of the apron must be guarded by a safety contact. This contact must be connected in the safety circuit of the lift.
- Minimum applicable car entrance opening 500 mm
- Maximum applicable car entrance opening 1400 mm
- The apron's width must be at least the width of the car entrance opening.
- Each car door that has the telescopic car apron installed, must be equipped with a car door locking device. This device must only be unlockable from the rescue landing, from outside of the car.
- Minimum required pit depth depends on free space underneath the apron in retracted position.
- Sliding up from the extended position back to retracted position is only allowed to be performed from the pit.
- When applied on a traction lift with re-levelling function, the maximum UCM distance in upwards direction must take into account only the fixed part of the rotatable apron.
- The unlocking zone of the lift must take into account only the fixed part of the telescopic apron.
- The bolts at the flat side of the apron are Flange Socket Button Head Screws according ISO 7380-2.
- Prescribed labels, according to the installation manual, must be placed on the fixed part of the apron and in the control cabinet, see Annex 1.
- Where no specific condition is recorded in this section, the applicable requirements of EN 81-20:2014 and EN 81-21:2018 shall be fulfilled.



## 6. Conclusions

Based upon the results of the type-examination Liftinstituut B.V. issues a type-examination certificate.

The type-examination certificate is only valid for products which are in conformity with the same specifications as the type certified product. The 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 type-examination certificate.

Prepared by:

*E. Verkaik*  
Product Specialist Certification  
Liftinstituut B.V.

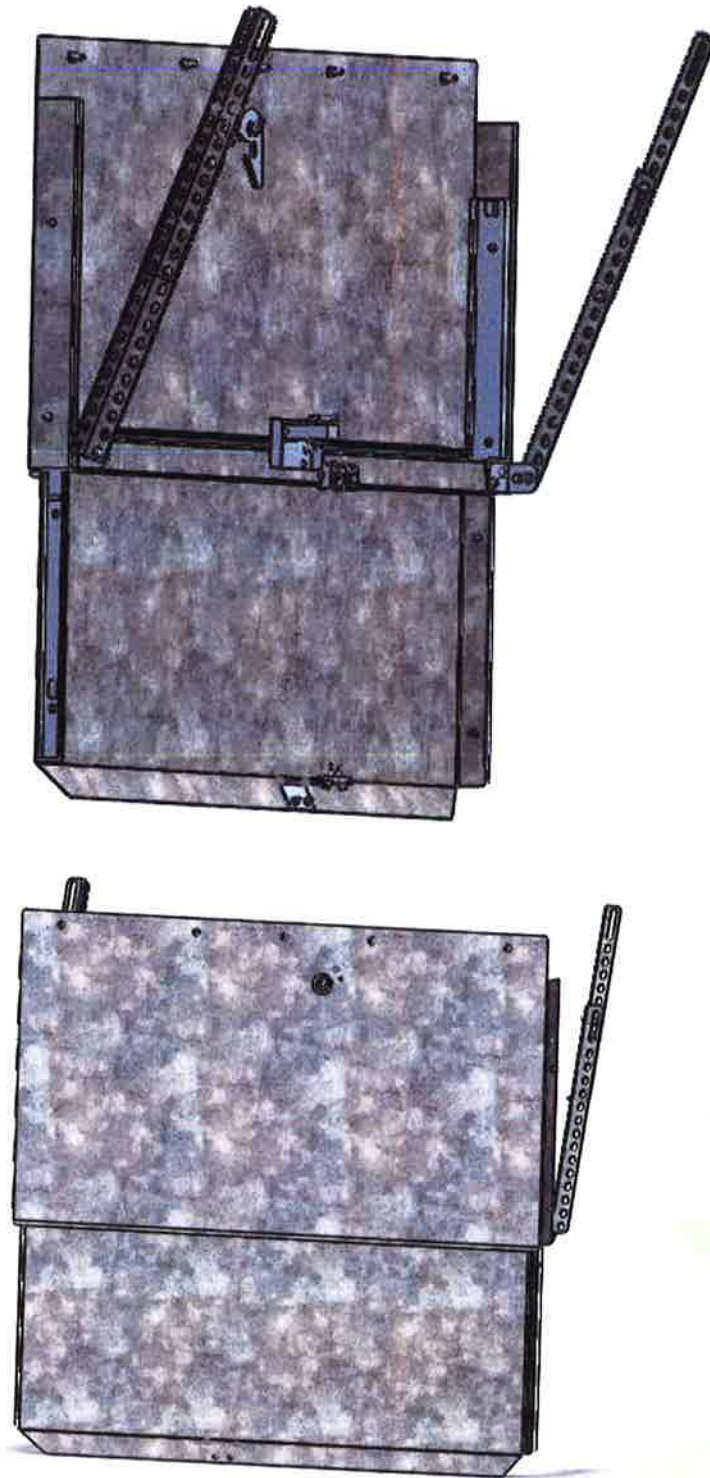
Certification decision by:



## Annexes

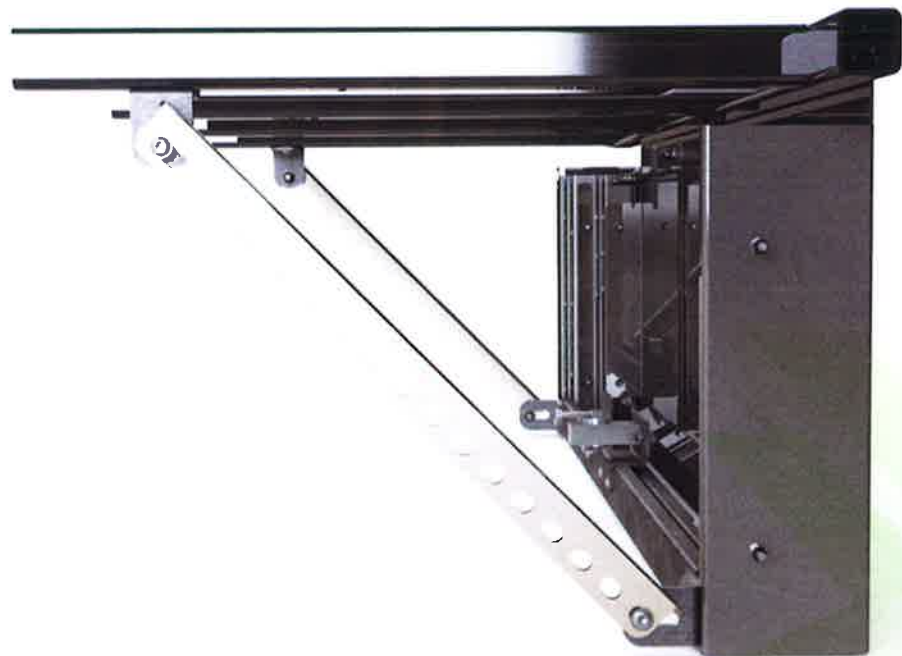
### Annex 1 : Basic lay-out

TELESCOPIC APRON 2 parts:





## TELESCOPIC APRON 3 parts:





Prescribed labels:

<p><b>OKATT</b> <b>BEDIENUNGSANLEITUNG</b> <b>OPERATING MANUAL</b></p> <p><b>Die Vorrichtung ist nur von Aufzugstechniker zu betätigen!</b> <i>Repositioning the apron only by a lift technician!</i></p> <p>1. Schürze mit der Hand festhalten. <i>Hold the apron with one hand</i></p> <p>2. Vorrichtung mithilfe eines dreieckigen Schlüssels betätigen. <i>Unlock the apron with a triangular key</i></p> <p>3. Ausklappen mit der Hand begleiten. <i>Join the extension with the hand</i></p> <p>4. Personen befreien. <i>Release the passengers</i></p>    	<p><b>OKATT</b> <b>BEDIENUNGSANLEITUNG</b> <b>OPERATING MANUAL</b></p> <p><b>Die Vorrichtung ist nur von Aufzugstechniker zu betätigen!</b> <i>Repositioning the apron only by a lift technician!</i></p> <p>1. Trägerelemente entriegeln. <i>Unlock the apron.</i></p> <p>2. Unteren Teil der Schürze einziehen. <i>Pull up the telescopic part of the apron</i></p>   	<p><b>OKATT</b></p> <p><b>SCHÜRZE MUSS VOR PERSONENBEFREIUNG VOLLSTÄNDIG AUSGEFAHREN SEIN</b> <i>APRON SHALL BE FULLY EXTENDED BEFORE RESCUING PASSENGERS</i></p>  <p><b>SCHÜRZE DARF NUR AUS DER SCHACHTGRUBE EINGEKLAFFT WERDEN!</b> <i>PUTTING BACK THE APRON INTO THE RETRACTED POSITION HAS TO BE DONE FORM THE PIT FLOOR!</i></p>
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<b>Annex 2 Documents of the Technical File which were subject of the examination</b>
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title	document number	date
APRON TELESCOPIC 3 STEPS	rev. 0	-

<b>Annex 3 Revision overview</b>
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## REVISIONS OF THE CERTIFICATE

Rev.:	Date	Summary of revision
-	22-11-2016	Original
1	24-07-2018	EN 81-1&2:1998 +A3:2009 removed, new EN 81-21:2018, address changed

## REVISIONS OF THE REPORT, BELONGING TO THE CERTIFICATE

Rev.:	Date	Summary of revision
-	22-11-2016	Original
1	24-07-2018	EN 81-1&2:1998 +A3:2009 removed, new EN 81-21:2018, address changed, telescopic part from 3 plates added