

TYPE EXAMINATION CERTIFICATE FOR LIFTCOMPONENTS

Issued by Liftinstituut B.V.

Certificate no. : NL14-400-1002-196-01 Revision no.: 1

Description of the product : Apron for reduced pit height

Trademark, Type : Agui, Rotatable apron

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

Name and address of the certificate holder : TALLERES AGUI, S.A.
Poligono Industrial Lintziin-Gaina.
Parcela B-1
E-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 : Nov. – Dec. 2014, Dec. 2019

Additional document with this certificate : Report belonging to the type examination certificate no.: NL14-400-1002-196-01 Rev.1

Additional remarks : This revision replaces certificate NL14-400-1002-196-01 of 18-12-2014

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

Amsterdam

Date : 18-12-2019
Valid until : 18-12-2024



ing. P.J. Peeters
Manager Certification



Certification decision by

Report type-examination

Report belonging to type-examination : NL14-400-1002-196-01
certificate number

Date of issue of original certificate : 18-12-2014

Certificate applies to : Component

Revision number / date : 1, 18-12-2019

Requirements : Lifts Directive 2014/33/EU
Parts of standards:
EN 81-20:2014
EN 81-21:2018,

Project number : P140256-01, P190411

1. General specifications

Name and address manufacturer : TALLERES AGUI, S.A.
Poligono Industrial Lintziin-Gaina.
Parcela B-1
E-20180 Oiartzun-Gipuzkoa, Spain

Description of component : Apron for reduced pit height

Type : Rotatable apron

Laboratory : -

Address of examined component : Poligono Industrial Lintziin-Gaina.
Parcela B-1
E-20180 Oiartzun-Gipuzkoa, Spain

Data of examination : Nov. – Dec. 2014, Dec. 2019

Examination performed by : E. Verkaik

2. Description component

The Agui patented rotatable 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 and EN 81-21:2018.

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

There are four versions possible with different main dimensions, see drawing DIMENSIONS.

The apron is composed by a fixed vertical part with 105 - 330 mm height (depending on the version), which is joined to the car sill support, and a rotatable and extendable part.

The rotatable and extendable part can consist of two sections; the middle section is hinged to the fixed vertical part of the apron and the lowest section can slide down connected to the middle section by two guide bars.

In horizontal position the apron is secured 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.

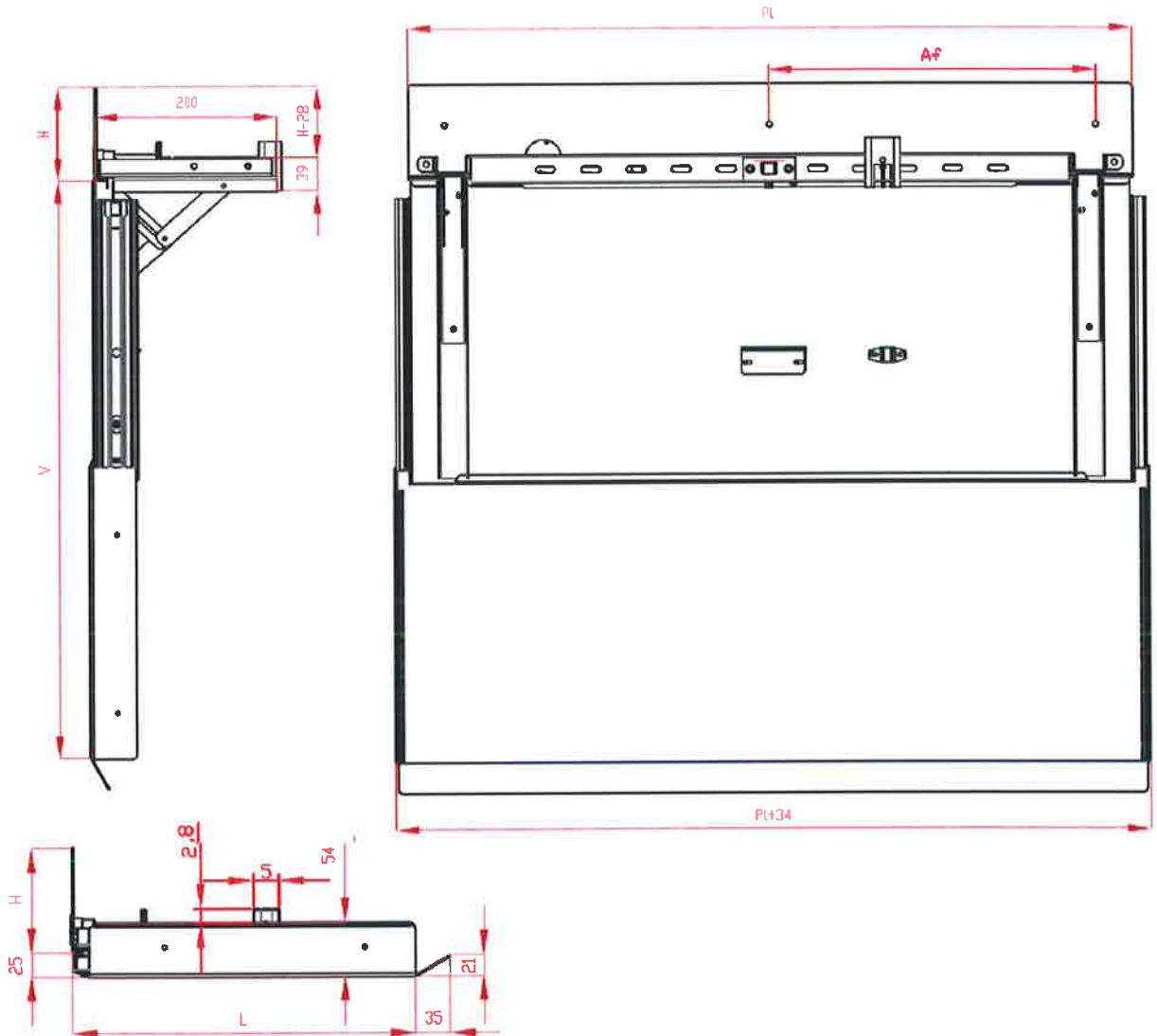
Rotating is performed from a landing, by using a triangular key. The rotatable and extendable part will be put in vertical and extended position by gravity, retained by hand.

The vertical position is locked by two folding arms. In this position the apron fulfils at least the demands of a car apron in EN 81-20:2014 and EN 81-21:2018.

It is possible to put the rotatable apron in horizontal retracted position again from the pit floor.

See annex 1 for a general overview of the product.

DIMENSIONS:



	PL	H	L	V
600-1000		105 - 125	335	645
		130 - 200	320	625
		205 - 280	290	550
		285 - 330	255	465

*Frame screw distance: $Af = PL \cdot 0,45$ mm and $\varnothing 8$ mm.
Other dimension on demand.

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.

The examination included:

- Examination of the technical file (See annex 2).
- Check of strength and dimension demands according to EN 81-20:2014 and EN 81-21:2018.
- 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 load tests passed without remarks and did not lead to permanent deformations or loss of stability.

5. 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:

- A direction dependent safety switch shall prevent further downwards inspection and rescue movement in the zone where the car apron, if not in horizontal position, can collide with the pit floor.
- The horizontal position of the apron must be guarded by a safety contact. This contact must be connected in the safety circuit.
- Minimum applicable car entrance opening 600 mm.
- Maximum applicable car entrance opening 1000 mm.
- The apron's width must be at least the width of the car entrance opening.
- Each car door that has rotatable 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 horizontal position.

- Rotating of the apron back to horizontal 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 vertical part of the rotatable apron.
- The unlocking zone of the lift must only take the vertical part of the rotatable apron into account.
- Prescribed labels, according to the installation manual, must be placed on the vertical part of the apron and in the control cabinet, see Annex 2.

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




Annex 2 Prescribed labels








**APRON SHALL
BE FULLY EXTENDED
BEFORE RESCUING
PASSENGERS**


**Putting back the apron
into the retracted position
has to be done from
the pit floor!**



OPERATING MANUAL

**Repositioning the apron only
by a lift technician!** 

1. Hold the apron with one hand 
2. Unlock the apron with a triangular key 
3. Join the extension with the hand 
4. Release passengers 



Safety advice: Passengers release
If a landing or an emergency
release upstairs is not possible:


1. Open the door
2. Unlock the telescopic door apron
with a triangular key
3. Release passengers








**Repositioning the apron
only by a lift technician!**



OPERATING MANUAL

**Repositioning the apron only
by a lift technician!** 

1. Hold the apron with one hand 
2. Unlock the apron with a triangular key 
3. Join the extension with the hand 
4. Release passengers 



Annex 3 Documents of the Technical File which were subject of the examination

Title	Document number	Date
USER MANUAL APRON	-	-
CAR APRON Rev.1	-	-
ROTATABLE APRON - USER MANUAL	Rev.5	-

Annex 4 Revision of the certificate and its report

Rev.:	Date	Summary of revision
-	18-12-2014	Original
1	18-12-2019	New Lifts Directive 2014/33/EU and standards EN 81-20:2014 and EN 81-21:2018