

Certificate

on a Voluntary Type Examination

Registration No.

01/208/FB/18/7068Ae1

The TÜV Rheinland Certification Body for Lifts and their Safety Components at TÜV Rheinland Industrie Service GmbH hereby certifies to

Company

**W + W
Aufzugskomponenten GmbH u. Co. KG
Erkrather Str. 264-266
D-40233 Düsseldorf
Germany**

Product

that the product

automatically retractable telescopic apron

Type

TekoS – 450 mm

fulfils the requirements of the Directive 2014/33/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to lifts and safety components for lifts.

Evidence was obtained in a verification for conformity that was carried out on 2018-09-28.

Examination report No. 01/208/FB/18/7068Ae1

Document(s) forming the basis for the examination

Directive 2014/33/EU
DIN EN 81-20: 2014-11
DIN EN 81-21: 2018-07

Use

Use of car aprons in lifts with reduced pit depths

This Certificate covering the placing of the product on the market will be valid until 2023-09-27 provided the as-built condition of the product is in conformity with the technical dossier examined (use in compliance with the Instruction Manual examined).

Cologne, 2018-09-28


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TÜV Rheinland Certification Body
for Lifts and their Safety Components at TÜV Rheinland Industrie Service GmbH

Notified under No. 0035

TÜV Rheinland Industrie Service GmbH, Am Grauen Stein, 51105 Köln (Germany)

Intended use:

The car apron is in principle suitable for use in all lifts in accordance with DIN EN 81-20 and DIN EN 81-21. When extended, it meets the requirements detailed in 5.4.5 of DIN EN 81-20 and in 5.8 of DIN EN 81-21.

The apron may be used also in wells whose pit depth is reduced and so deviates from DIN EN 81-20.

It is up to the installer to determine the minimum pit depth required on a case-by-case basis.

The car apron is suitable for:

- unidirectionally opening sliding doors
- centrally opening sliding doors
- hinged doors in combination with a car door

The car apron is not suitable for lifts with control of docking operations.

Description:

- The car apron in question is a telescopic apron consisting of one fixed and one movable part.
- When it comes into contact with the pit, the apron retracts automatically. When the car ascends again, the apron extends automatically to its total length.
- The overall length is always 750 mm, plus the chamfer referred to in 5.4.5.1 of DIN EN 81-20.
- TekoS-450 mm is provided with an electric safety contact designed to monitor the extended position of the apron. Even a minor retraction of the apron causes the fail-safe circuit to break to prevent the normal use of the lift, except for the use within a defined area in the pit.

**Particular
conditions:**

- As soon as they have been installed, the telescopic aprons shall be tested for proper functioning. The effectiveness of the electric safety contact designed to monitor the position of the apron shall be checked, if necessary. The results are to be documented in the examination and maintenance register. This applies to corrective maintenance or repair work as well.
- In the pit a warning sign "Caution: Risk of Crushing" has to be attached.
- The requirements of 5.2.5.8.2 of DIN EN 81-20 are to be complied with.
- If the apron is not in the extended position and if the car is not in a range of 1 m above the lowest landing door level, the electric safety device has to render the normal use of the lift impossible.
- Prior to assembly of the apron care must be taken to ensure that the door sill grooves are free from any holes. Otherwise the mechanical parts may be damaged by the ingress of dirt and water.

Cologne, 2018-09-28


Georg Theisen
Head of the Certification Body for Lifts
and their Safety Components,
notified under No. 0035