

# Mounting instruction

## 4-part telescopic car apron

TekoS - 265mm



## Intended use:

The 4-part telescopic car apron prevents the inadvertent fall of persons into the lift shaft beneath the car. The apron must cover at least the clear width of the cabin door with the lowest sheet. In case of early opening doors it has to be made sure that the area where the lift comes to a stop at a landing is mechanically adjusted in a way that there is no gap below the fix part of the car apron when the doors begin to open. The use of the apron during docking operations is not allowed. If the pit depth does not correspond to the requirements of EN81-1/2 (if it is reduced), the car apron can be used for pit depths of at least 265mm. By creating a temporary clearance in order to fulfil par. 5.7.1.1 of EN81-1/2, the necessary safety distances below the apron will then have to be realised.

\*pit depth= space between the top edge of the cabin door sill and the shaft floor, when buffers are completely compressed.

## Cabin door locking device:



The producer generally postulates an additional cabin door locking device if the client does not provide for equivalent safety measures, in order to prevent that locked in persons try to release themselves. In case of revolving doors, according to the construction it is often not possible to release oneself even if there is no cabin door locking device.

## Warning notices:



The 4-part telescopic apron is only suitable for mounting at a door sill of a lift car.



The assembly has to be effected by qualified persons\* only. When mounting all corresponding safety regulations and measures for the assembly of lifts are to be considered.



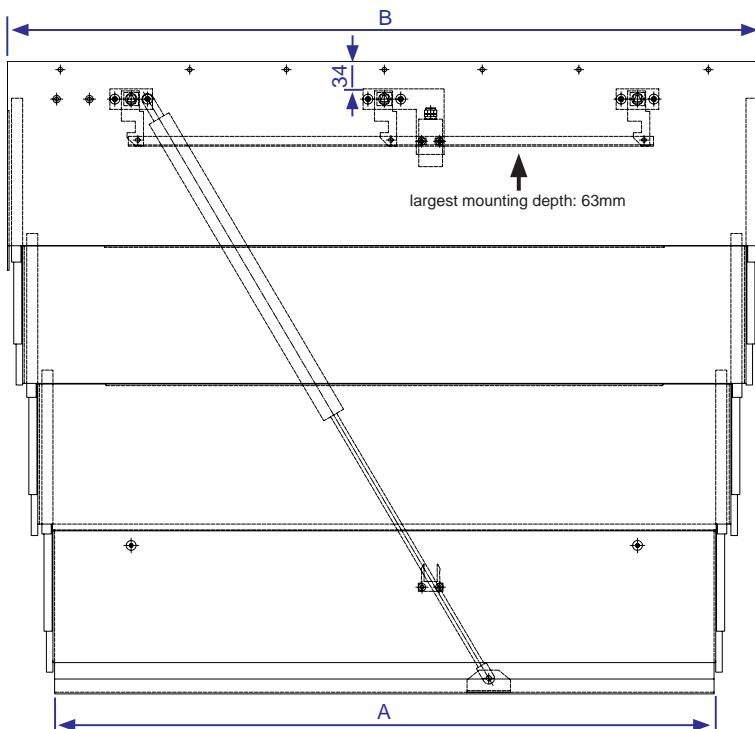
Assembly, disassembly and maintenance can only be carried out if the lift system is switched off.



All indications in the mounting instruction including the service notes on page 7 are absolutely to be followed..

Keep the instruction for later use!

## Dimensioned drawing:



Door width	A	B	Weight
650- 700	709	820	16,5kg
750- 800	809	920	18,0kg
850- 900	909	1020	19,5kg
950-1000	1009	1120	21,0kg
1050-1000	1109	1220	23,5kg

All length indications in mm

\*Qualified persons have technical knowledge acquired by professional training, work experience and contemporary occupational activity. (TRBS 1203)



## Scope of delivery



### Scope of delivery:

- 1 pc. telescopic apron, 2mm galvanised sheet steel, incl. monitoring switch
- 1 pc. yellow adhesive label for machine room (German) 80x110
- 1 pc. yellow adhesive label for apron (German) 90x105
- 2 pcs. angles for fixing the telescopic apron at the door sill of the cabin
- 2 sets fastening material (angles, diagonal strut)
- 1 set bag with small parts (screws, nuts, etc.)
- 1 pc. detailed mounting instruction, German



Construction in stainless steel

Art.no.	Description
79920	TekoS-265 Door width 650- 700mm
79921	TekoS-265 Door width 750- 800mm
79922	TekoS-265 Door width 850- 900mm
79923	TekoS-265 Door width 950-1000mm
79924	TekoS-265 Door width 1050-1100mm

Art.no.	Description
79930	TekoS-265 Door width 650- 700mm VA*
79931	TekoS-265 Door width 750- 800mm VA*
79932	TekoS-265 Door width 850- 900mm VA*
79933	TekoS-265 Door width 950-1000mm VA*
79933	TekoS-265 Door width 1050-1100mm VA*

\* Front sheet in stainless steel, grain size 240, the rest in galvanised sheet steel

### Individual parts:



TekoS-265  
Mounting angle left  
Art.no.79977

TekoS-265  
Mounting angle right  
Art.no. 79978

TekoS-265  
Fixation kit A  
Art.no. 79979

## Safety labels TekoS-265 for foreign countries

### Adhesive labels for apron + machine room + mounting instruction

If the apron is used in non-German speaking countries, the safety labels to be glued on the apron and in the machine room have to be ordered separately in the respective national language.



79971	Safety labels TekoS-265 English
79972	Safety labels TekoS-265 French
79973	Safety labels TekoS-265 Italian

79974	Safety labels TekoS-265 Spanish
79975	Safety labels TekoS-265 Portuguese
79976	Safety labels TekoS-265 Russian

Other languages on request



## Mounting advice:

It is recommended to accomplish the assembly with two persons, with the cabin standing at the lowest landing.

## Mounting:

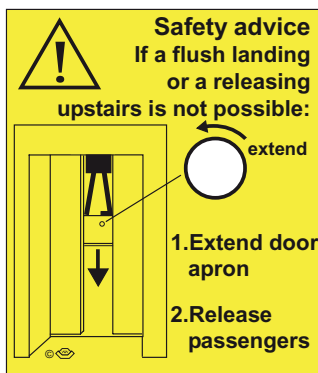
### 1.

Affixing the adhesive label to the apron:

The apron has three triangular unlocking devices. The label has to be placed next to the triangular unlocking device which becomes visible at first when opening the landing door.



First of all remove grease from the surface where the label is affixed to!



Remove grease before affixing the label!

### 2.

Selection of the mounting position:

The apron has to be placed below the cabin door, so that:

- a) the apron measure A overlaps at least 25mm on the right and on the left side of the cabin door.
- b) the label is clearly visible

### 3.

Fasten the apron to the door sill by means of the tapping screws (holes in the door sill  $d=4\text{mm}$ ).

In order to avoid subsequent noises and to achieve stability, all available fixing holes must be used.

When selecting the length of the tapping screws, please consider that:

- the screw has to be inserted at least 2 entire thread turns into the door sill.
- the screw must not extend into the moving area of the cabin door guides

3 lengths of tapping screws are included in delivery:  
 $l=9,5\text{mm}$   $l=13\text{mm}$  and  $l=16\text{mm}$



tapping screws

#### 4.

To obtain a sufficient solidity of the apron it has to be stabilised on **both** sides.  
Therefor two fixation variants are included in delivery.



#### Important mounting indication:

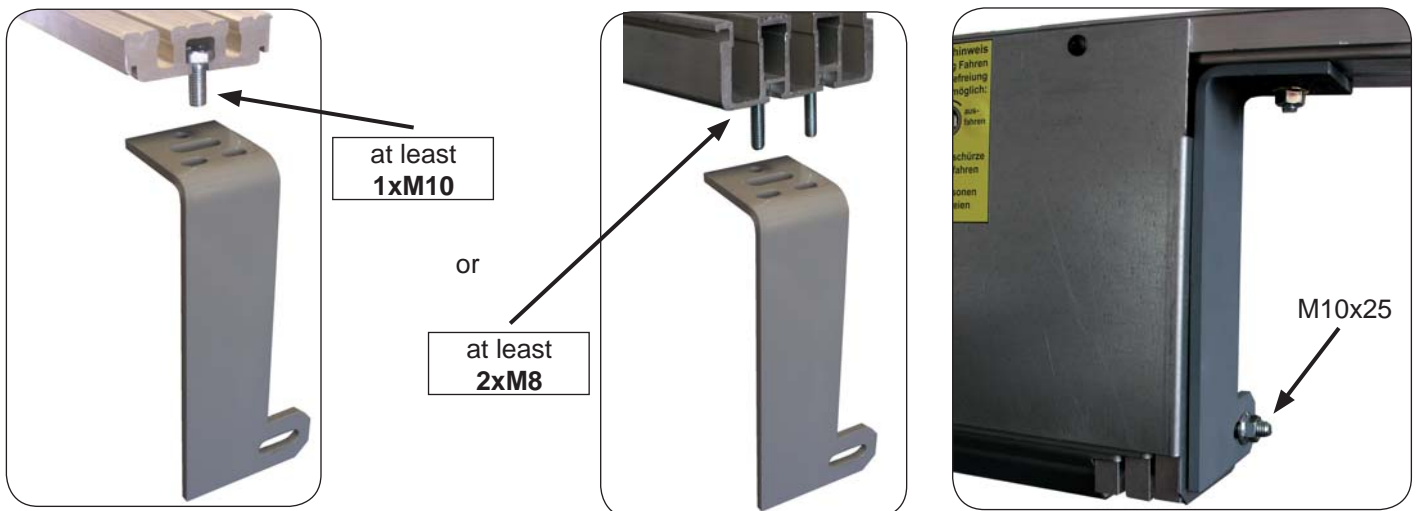
When mounting take care that the door sill and the door sill mounting construction have a sufficient stability, so that the forces acting on the extracted apron in case of rescuing persons are safely absorbed.

**The fixation variant 2 is required at least on one side.**

**If the door sill does not consist entirely of aluminium, the producer recommends to use the fixation variant 2 on both sides.**

The selection and the responsibility for a safe fixation at the cabin door sill is incumbent on the user.

#### Mounting of the fixation variant 1:



In case of the fixation variant 1 at first the mounting angle has to be fastened at the door sill. This is done with a hex head screw, the size and number depending on the door sill profile.

When fixing with one screw, at least size **M10** has to be used.

When fixing with two screws at least size **M8** has to be used.

The angle is fastened with a M10x25 screw and a M10 self-locking nut at the apron sheet.

Please take care that the long side of the angle runs exactly **parallelly** to the apron. Otherwise the apron sheets are locked into each other and the apron does not open.

### Mounting of the fixation variant 2 (recommended):

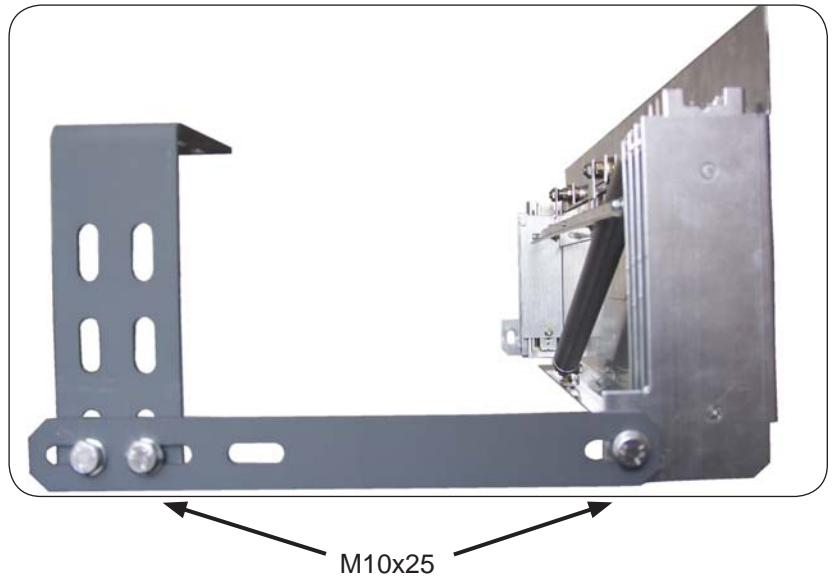
In case of the fixation variant 2 at first the diagonal strut has to be fastened at the apron sheet by means of a M10x25 screw and a M10 self-locking nut.

The diagonal strut can be connected directly with the cabin. In most cases however the mounting angle is also needed.

The connection diagonal strut - mounting angle is realised with a M10x25 screw and a M10 self-locking nut.

The connection mounting angle - cabin is realised with two M10x25 or M10x35 screws and M10 self-locking nuts (both lengths are included in delivery).

When mounting the fixation variant 2 it has to be taken into consideration that the diagonal strut does not weigh on the side of the apron sheet. Otherwise the apron sheets are locked into each other and the apron does not open.



## 5.

### Monitoring switch:

A safety disconnecter monitors the retracted state of the telescopic apron.

The apron automatically locks into its normal position when pushing it upwards and the switch is closed.

Technical data monitoring switch: IEC/EN 60947-5-1  
AC-15 4A 230V  
DC-13 4A 24V  
Connecting cable: 5m 2x1,0mm<sup>2</sup>



The use of the lift with the apron not completely closed is not permitted at any time!

## 6.

### Functional check

After mounting, the functional capability has to be checked. The apron must extend if **one** of the triangular locks is opened. The buffer controls the extension speed.

In the extended state the vertical part of the apron must amount to 750 mm.



### Attention:

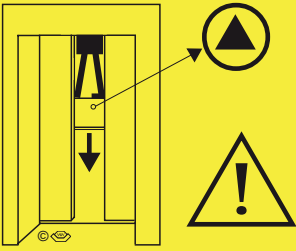
When extending the apron keep in mind that no extremities, for example feet, extend into the pit!

## 8.

Affix the label "Advice on releasing persons" so that it is clearly visible in the machine room near the main switch. As a rule the switch cabinet door is very suitable.

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

1. Open the door ajar (approx. 15cm)
2. Unlock the telescopic door apron with a triangular key
3. Release passengers



## Final inspection



After the assembly all screw connections are to be examined again and retightened if necessary. The apron has to extend and retract easily.

## Instructing the lift attendant



The rescue service has to be instructed regarding the function and use of the apron.

## Service notes



The function of the apron has to be checked at regular intervals, at least once a year (if necessary grease the telescopic rails). All screw connections have to be checked regularly as well, especially after the safety gear test or similar strong strains. Tests, corrective maintenance and repairs have to be documented in the inspection or maintenance booklet.

During maintenance check if no sign with warning notices (on the apron, all landing doors and the machine room) is missing.

A triangular wrench to open the apron must always be available in the machine room!

It is incumbent on the user to fix and take the responsibility for the appropriate maintenance interval!

The manufacturer has to be informed immediately about damages of or incidents with the car apron.

Manufacturer: W+W Aufzugskomponenten GmbH u. Co.KG Germany





## Certification for a voluntary prototype test

Registration number 01/208/FWB/K/0604/04-2247Ae1

### Gamma quality certificate

for a construction according to the requirements and an increased reliability  
The certification department TÜV CERT for lifts and safety components for lifts of the  
TÜV Rheinland Industrie Service GmbH  
herewith certifies the company

**W+W**

**Aufzugkomponenten GmbH u. Co. KG**

**Erkrather Str. 264-266**

**D-40233 Düsseldorf**

the compliance of the product  
Extractable telescopic apron

**TekoS-265mm and TekoS-350mm with triangular locking mechanism**  
**TekoS-450mm without triangular locking mechanism**

with the requirements of the directive 95/16/EG of the European Council of 29.06.1995  
for the approximation of laws regarding lifts.

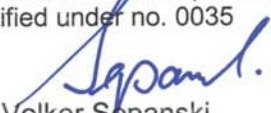
The proof was provided on 03.05.2006 by a conformity test  
(test report no. 01/208/FWB/MG/0604/04-2247 of 12.05.2006)

**Test basis:**

Lift directive 95/16/EC  
DIN EN 81-1 and -2; 1998

This certificate applies for placing the above mentioned component on the market,  
provided that the execution of construction complies with the tested documents, until 31.08.2011.  
(Employment taking into account the attachment to this certificate)

TÜV CERT certification department  
Notified under no. 0035

  
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Cologne, 2007-09-19

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