

# Mounting instruction

## Three-part telescopic car apron

TekoS - 350mm



## Intended use:

The three-part telescopic car apron prevents the inadvertent fall of persons into the lift shaft beneath the car. The apron is mounted underneath the cabin door sill. The car apron must overlap at least 25mm on the right and on the left side of the cabin door. The apron must not impair the function of the lift. If the pit depth\* is reduced to 350mm, equivalent substitute measures according to EN81-1 5.7.3.3. a) have to be taken, as the required clearance that could accommodate a rectangular block not less than 0,5m x 0,6m x 1,0m is lacking. If the previous requirements cannot be fulfilled, another equivalent protection has to be mounted. The use of the apron during docking operations is not allowed.

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

## Manufacturer's recommendation



The manufacturer categorically recommends the use of a cabin door locking device, if the landing door locking device can be opened by locked in persons and they are able to release themselves.

According to the manufacturer's prototype certificate this residual risk can be covered alternatively by affixing warning notices to every landing door. The decision and responsibility which safety measure to take in each case is incumbent on the user.

## Warning notices



The three-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. Safety gear checks with extended apron are not permissible.

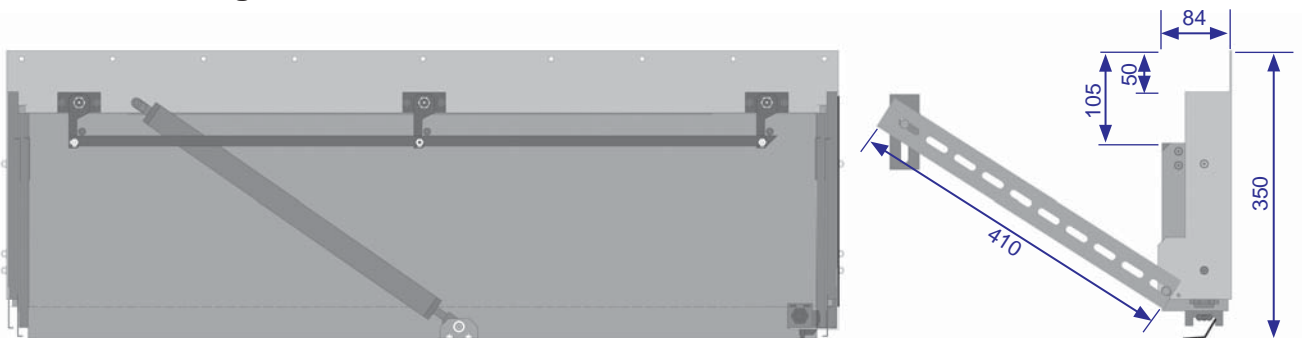


All indications in the assembly instruction including the service notes on page 7 are absolutely to be followed.



Keep the instruction for later use!

## Dimensioned drawing



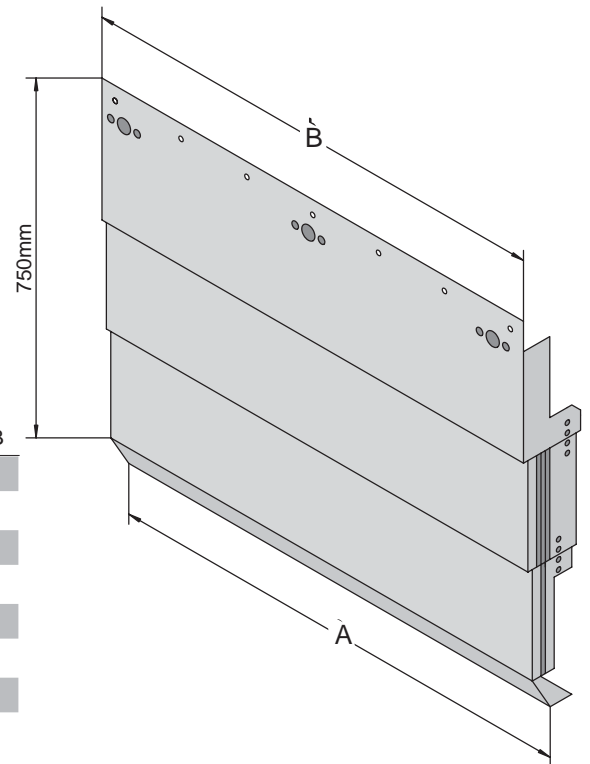
\*Qualified persons have technical knowledge acquired by professional training, work experience and contemporary occupational activity. (TRBS 1203)

## Scope of delivery

Scope of delivery 1:

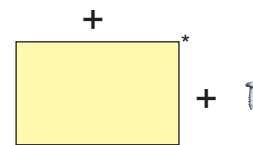
- 1 pc. telescopic apron, 2mm zinc-coated sheet steel, width according to order, incl. a safety switch
- 1 pc. yellow adhesive label for machine room (German) 80x120
- 1 pc. yellow adhesive label for apron (German) 90x 120
- 2 pcs. diagonal struts (410x40x15)
- 2 pcs. angle 180x55 for fixing the diagonal struts to the car
- 1 set fastening material
- 1 pc. detailed mounting instruction, German

art. no.	description	measureA	measureB
79900	TekoS 350mm door width 650- 700	750	810
79901	TekoS 350mm door width 750- 800	850	910
79902	TekoS 350mm door width 850- 900	950	1010
79903	TekoS 350mm door width 950-1000	1050	1110
79904	TekoS 350mm door width 1050-1100	1150	1210
79905	TekoS 350mm door width 1150-1200	1250	1310
79906	TekoS 350mm door width 1250-1300	1350	1410
79907	TekoS 350mm door width 1350-1400	1450	1510



## Optional: Warning notices for landing doors

- 1-n pcs. warning notices for landing doors, necessary for all landing doors, consisting of:
  - 1 pc. yellow adhesive label 120x80
  - 1 pc. plastic sign\*
  - 1 pc. tapping screws



The yellow adhesive label must be affixed completely to the door frame in the shaft, directly above the respective locking device. As in many cases there is no smooth surface, a solid plastic sign is generally provided.

79940	warning notices for landing doors in German, English, Dutch
79941	warning notices for landing doors in German, French, Italian
79942	warning notices for landing doors in Spanish, Portuguese, English
79943	warning notices for landing doors in Russian, English, German

Other languages on request

## Optional: adhesive label for apron + machine room mounting instruction foreign country

If the apron is used in non-German speaking countries, the safety labels, which are affixed to the apron and the machine room, must be ordered separately in the respective national language.



79944	Safety advices English	79947	Safety advices Spanish
79945	Safety advices French	79948	Safety advices Portuguese
79946	Safety advices Italian	79949	Safety advices Russian

Other languages on request



**Before mounting make sure that there are no holes in the door sill slots, otherwise dirt and water will damage the apron mechanics!**

### Mounting advice:

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

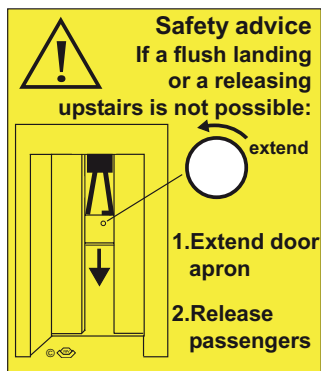
### Mounting:

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  $l=16\text{mm}$

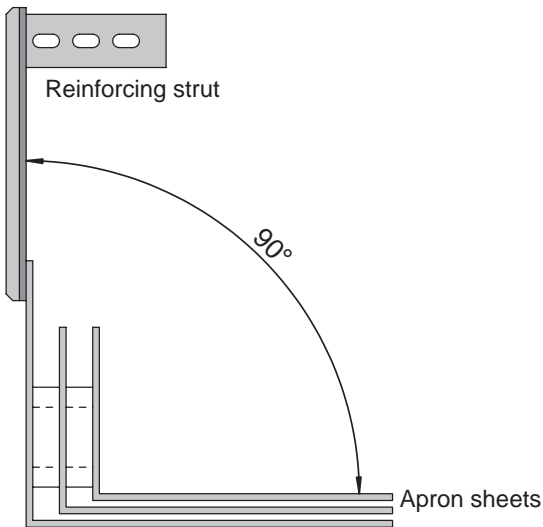
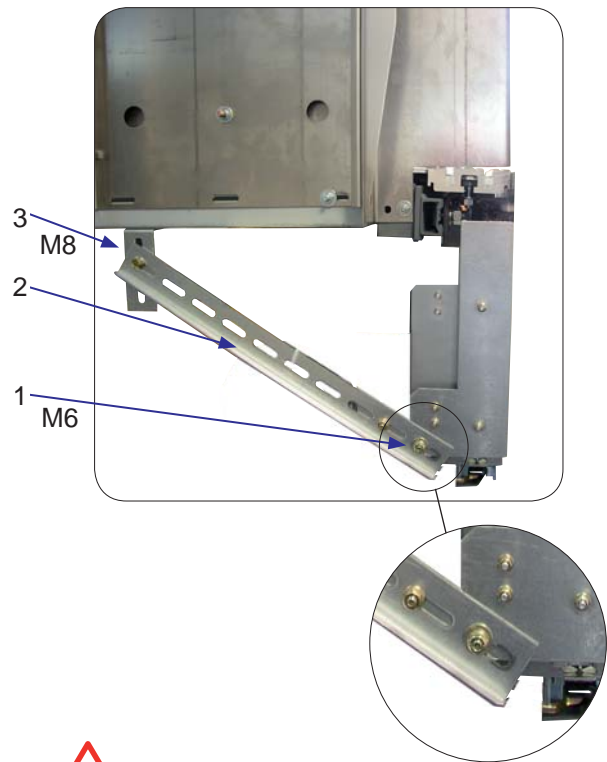


#### 4.

Once the apron is fastened with the tapping screws, mount the stability angles on both sides. First of all fasten the stability angles (2) to the apron (1) with a M6 self-locking screw.

**Take care that the strut is entirely pushed through, so that the apron cannot be pushed backwards under load.**

Then screw the mounting angle 180x55 (3) to the stability angle and mount it to the car. If the cabin is equipped with buffers, it is not permissible to fix the stability angles at the supporting frame.



Imperatively keep in mind that the reinforcing angles do not bend the apron components. Otherwise the apron sheets get caught and the apron does not extend.

#### 5.

The safety switch is already mounted. It supervises the retracted state. If the apron is opened, the contacts are automatically separated.

Technical data:  
IEC/EN 60947-5-1  
AC-15 4A 230V  
DC-13 4A 24V



## 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.

## 7.

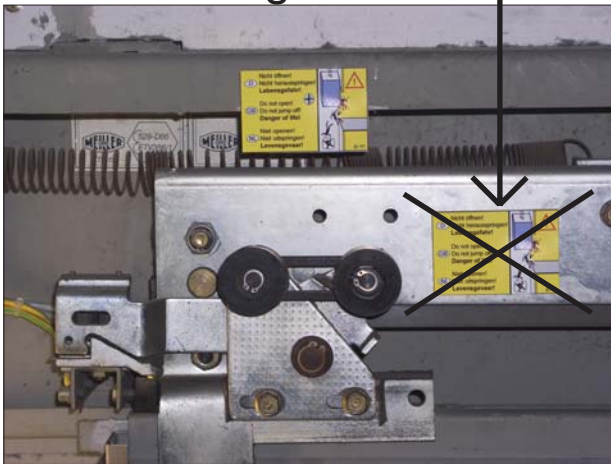
### Fastening of warning notices to all landing doors



see also the manufacturer's recommendation on page 2.

The warning notice must **not** be affixed to the guide block of the wing of the landing door or to other moving parts

right! wrong!



### Assembly with plastic sign

If it is not possible to affix the plastic sign completely (on a surface free of grease) directly above the bolt, the label must be glued on the provided plastic sign. The plastic sign has to be glued and fastened additionally with a screw.



label

+



plastic sign

+



screw



### Attention! Danger of life! (For lifts without cabin door locking device)

The use of the apron is not allowed without warning notices appropriately affixed to the landing doors!

The majority of fatal accidents happen during the self-release of passengers. The durable and clearly visible fixation of these warning notices is extremely important, so that passengers are warned of the perilous situation when releasing themselves!

**The responsibility for this fixation is incumbent on the user!**

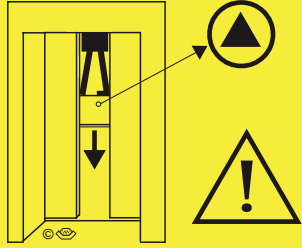


## 8.

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 Aufzugkomponenten 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

  
Volker Sepanski  
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Cologne, 2007-09-19

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