

## Folding Sliding System SL 60s/e/c



**When you go to see the customer:**

- If available, bring the drawing of the unit with you
- In any case, make sure you have the section details with you

**Before you start to modify details, check that the tracks and side jambs have been correctly fitted, and that they are parallel to each other. Check that the angles of the frame parts are correct, that the lines between the panels resp. the panels and the tracks or side jambs are straight and that the panels are in a straight, upright position. Also check that all frame parts have been correctly fixed to the structural opening. Finally check, that the building structure or work carried out after installation have not produced obstacles for the unit**

## Content:

### What to do if...

1. the swing panel seizes when you open/close it?
2. you cannot lock a panel?
3. the customer feels draft between the end panel and the frame?
4. rolling post hits the side frame jamb?

### Adjustment features and replacement of worn out parts

- 5.1 Replacement of the convenience lock or 2-/3-point-lock
- 5.2 Replacement of a panel connector
- 5.2 Replacement of a roller or guiding piece
- 5.4 Adjustment features in system SL 60 s/e/c

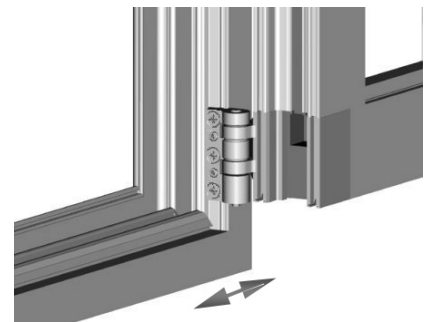
### What to do if...

1. the swing panel seizes when you open/close it?

#### Case a)

The swing panel rebate hits the frame jamb when you close the unit.

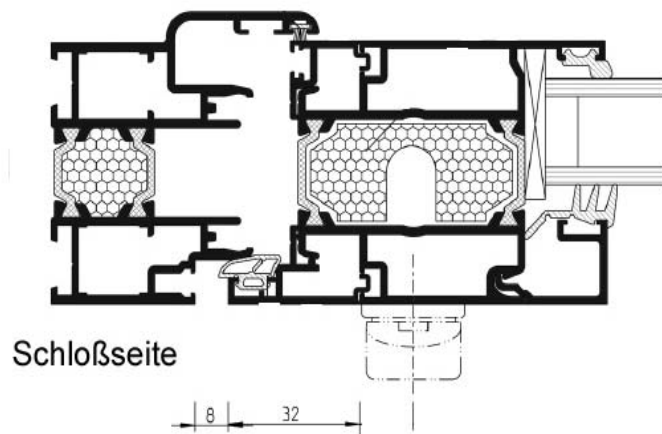
Adjust the overall width of the set of panels at the frame hinges.



## Case b)

The swing panel scratches on the floor track.

Check the distance between the swing panel and the frame jamb. Maybe the swing panel has come down. If necessary rearrange the glass packing of the swing panel. In a top hung unit you also have the possibility to adjust the height of the set of panels in the frame by turning the roller screw.



**Schloßseite = rebate side detail**

**What to do if...**

### 2. you cannot lock a panel?

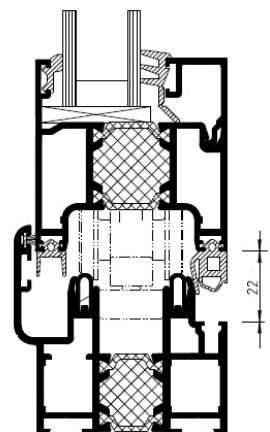
#### Swing panel and middle panel

Check the function of the lock, the handle(s) and the key-lock) when the door is open.

Check the vertical distance between the swing panel and the frame. Maybe the swing panel has come down so that the end cap of the locking rod is hitting the bottom of the floor track. Rearrange the glass packing of the swing panel if necessary.

You can grind the end caps of the locking rods if necessary.

If the lockset is defective it needs to be replaced.

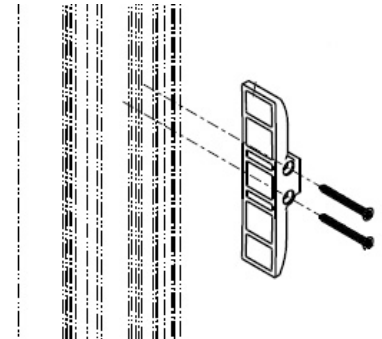


## What to do if...

### 3. the customer feels draft between the panels or between the swing panel and the frame jamb?

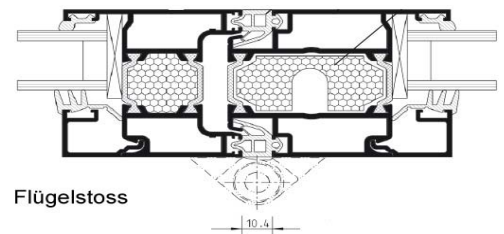
#### Swing panel and frame jamb.

Check the position and state of the gaskets.  
Check the vertical distance between the panel and the frame, if necessary adjust the overall width of the set of panels in the frame at the frame hinges.



#### Middle panel

Check the position and state of the gaskets.  
Check if the glass in the panels has been packed in the correct way and is in upright position. Rearrange the glass packing if necessary.



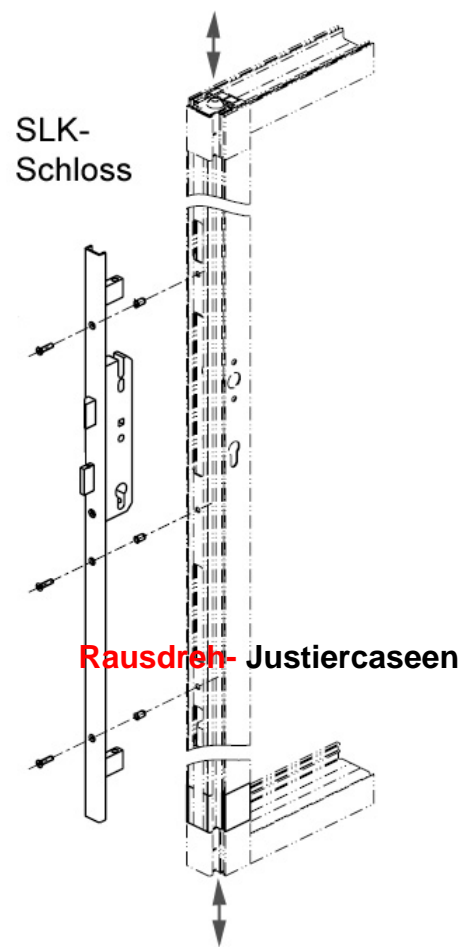
## Check the pressure on the gaskets:

You can easily check the pressure on the gaskets if you put a sheet of paper between the panels when you close the unit.

## What to do if...

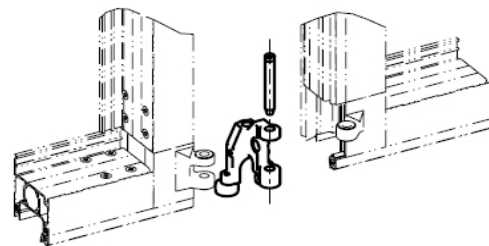
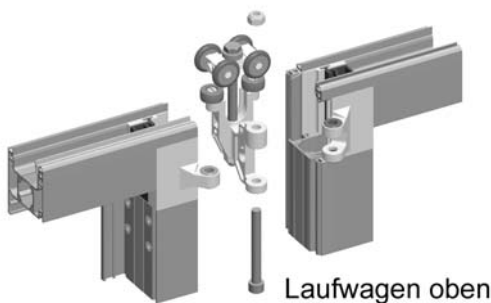
### 4. the rolling post hits the side jamb?

Between roller and post profile there are washers. Take out a washer or add a washer in order to adjust the post profile into a parallel position with the track.



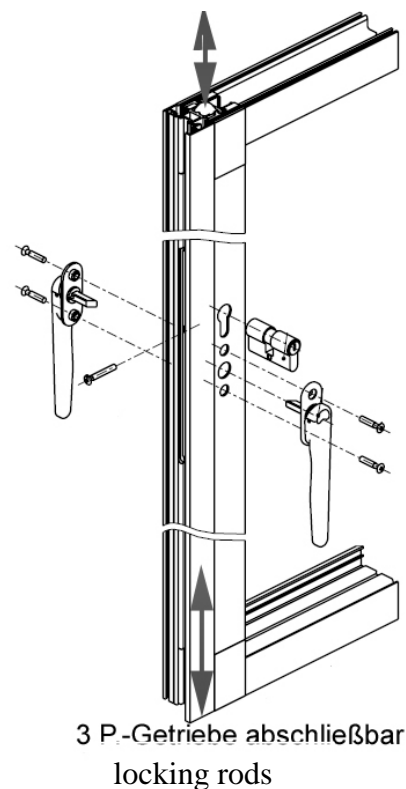
## 5.1 Replacement of a convenience lock

- Detach the swing panel
- Turn the locking rods out of the lockset and pull them out of the profile to top and bottom.
- Detach the key-lock and the handle(s).
- On the rebate side, remove the fixing screws and take out the lockset.
- Fit the replacement lockset following the steps above in reverse order.
- Turn in the locking rods using screw retention glue to fix the rods in the lockset, use super glue to fix the end caps to the locking rods if they should have come loose when you turned out the rods from the old lock.
- Check the function of the lock: pull up the handles so that the locking rods are driven out and turn the key to lock the door.



### 5.1.1. Replacement of a 3-point-lock in a swing panel

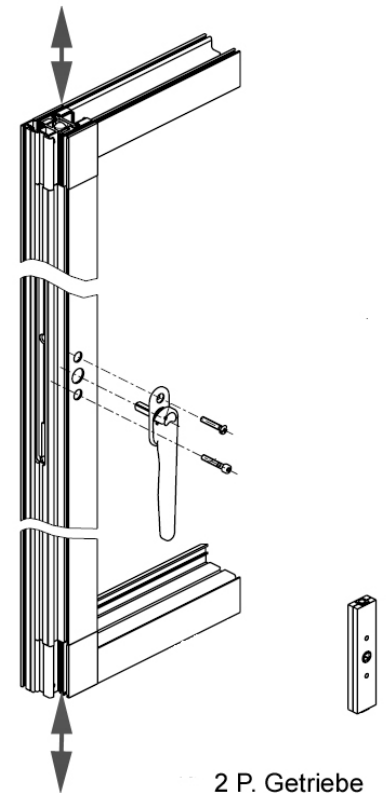
- Detach the swing panel from the unit
- Turn the locking rods out of the lockset.
- Remove the handle(s) and the key-lock
- Take the lockset out of the profile on the rebate side.
- Fit the replacement lockset following the steps above in reverse order.
- Turn in the locking rods using screw retention glue to fix the rods in the lockset, use super glue to fix the end caps to the locking rods if they should have come loose when you turned out the rods from the old lock.



### 5.1.2. Replacement of a 2-point-lock in a middle panel

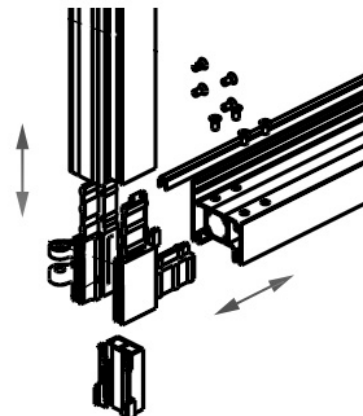
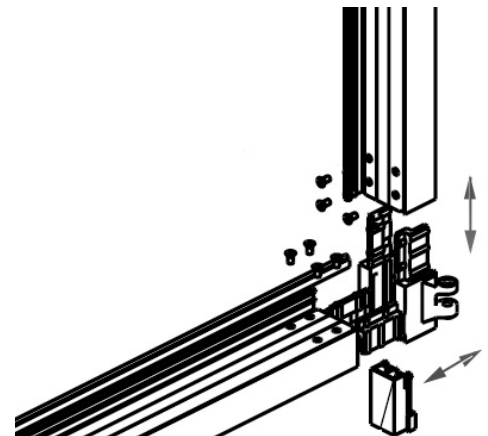
- Detach the panel from the unit.
- Pull out the thermal block on the lock side to the top and to the bottom.
- Remove the handle and pull the entire lock including the locking rods out of the profile.
- Turn the locking rods out of the lockset.
- Fit the locking rods to the new lockset using screw retention glue to fix them. Then fit the entire locking mechanism in the profile following the steps above in reverse order.

locking rods



### 5.2 Replacement of a panel connector

- Remove the glass units from the panel.
- Remove the hinge pins from the hinge connection and detach the panel from the unit.
- Remove the 8 screws in the glass beading which connect the horizontal panel profile with the vertical profiles.
- Remove the screws of the panel connector and replace it. The gaskets have been glued to the panel ends, you might have to tear them off.
- Then assemble the panel following the steps above in reverse order.
- **Attention !** Do not forget to glue the gaskets again to the panel ends.

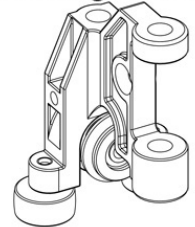


## 5.3 Replacement of a roller / guiding piece

### 5.3.1 bottom rolling unit

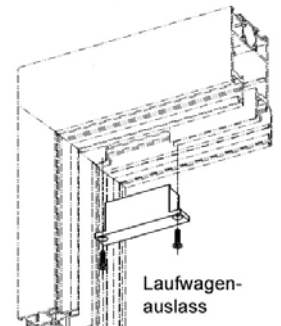
- Fold the panels enclosing the very roller up until they form a slight V.
- Before you detach the hinge connection support the panels well, so that they cannot move automatically.
- Tick out the hinge pin of the hinge connection embraced by the roller, then detach the hinge connection.
- Take out the roller / guiding piece by turning it to the side.
- Replace it by a new one and rearrange the hinge connection.

Laufwagen unten

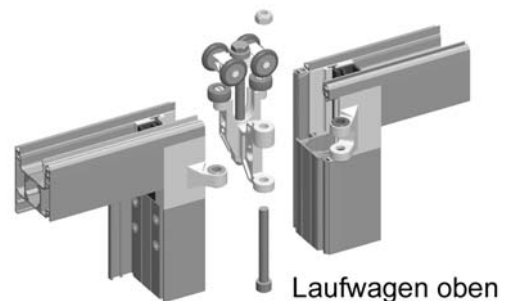
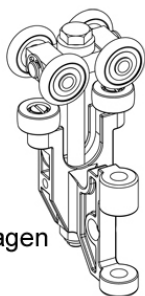


### 5.3.2. top hung unit

- Detach the panel from the unit. (The hinge pin might be secured with a little Allen screw)
- Remove the cap which fills the roller exit.
- Take roller off the track and replace it by a new one.
- Attach the panel again to the unit.



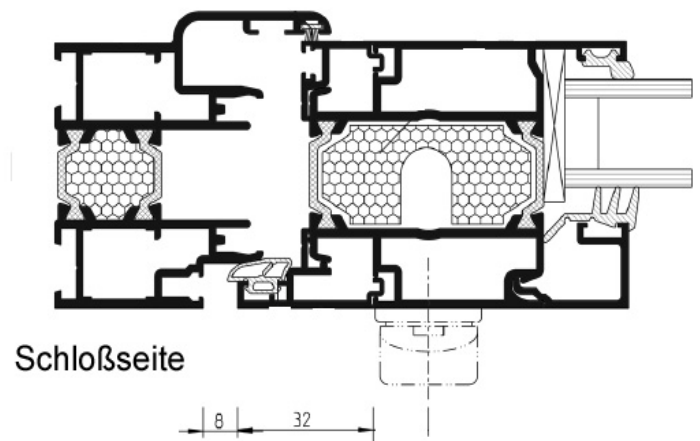
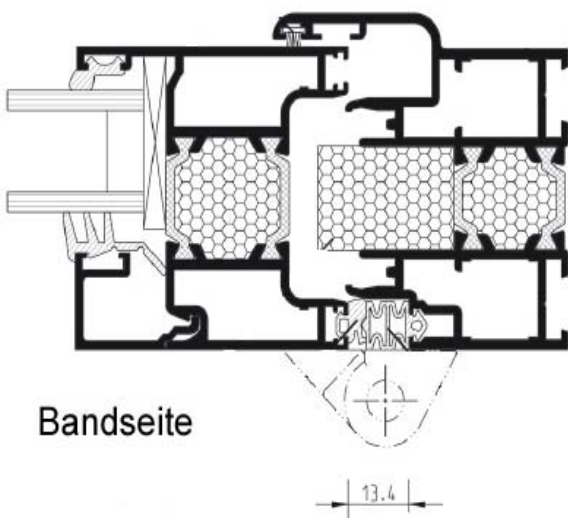
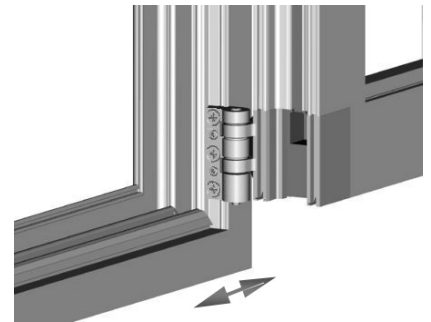
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## 5.4 Adjustment features in system SL 60s/e/c

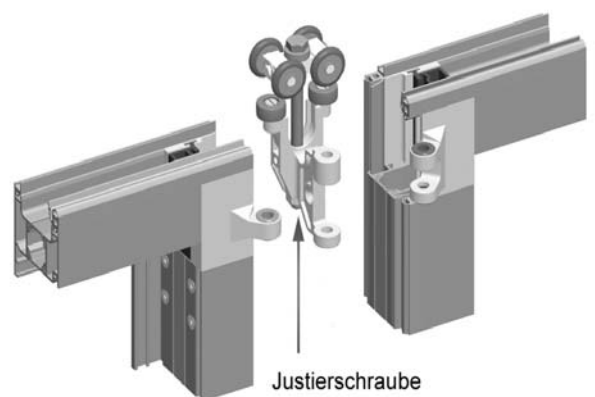
### 5.4.1 Adjust the overall width of a set of panels

- Open the unit completely.
- Untighten the Allen screws of the frame hinges, turn the bigger screws to adjust the opening width of the hinge and tighten the Allen screws again to fix the new position.
- The distance between swing panel and frame should be approx. 8 mm, the distance of the frame-hinged panel to the frame should be approx. 13 mm.



### 5.4.2. height adjustment SL 60 (top hung )

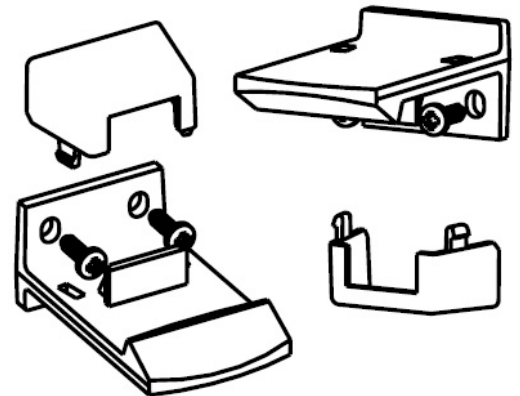
- Open the panel
- Hold the screw with a screw driver and adjust the position with a spanner turning the counter nut.
- The distance between the panels and the raised track should be 22 mm, between the panels and a recessable floor track, it should be 10 mm.





### Adjust the panel hook

Remove the cap from the panel hook, untighten the screws in the long holes and adjust the position of the panel hook. Then tighten the screws in the long again and finally fit the cap



**All hinge parts need to be greased regularly with a suitable lubricant. Check the tracks regularly and remove dirt or other obstacles.**

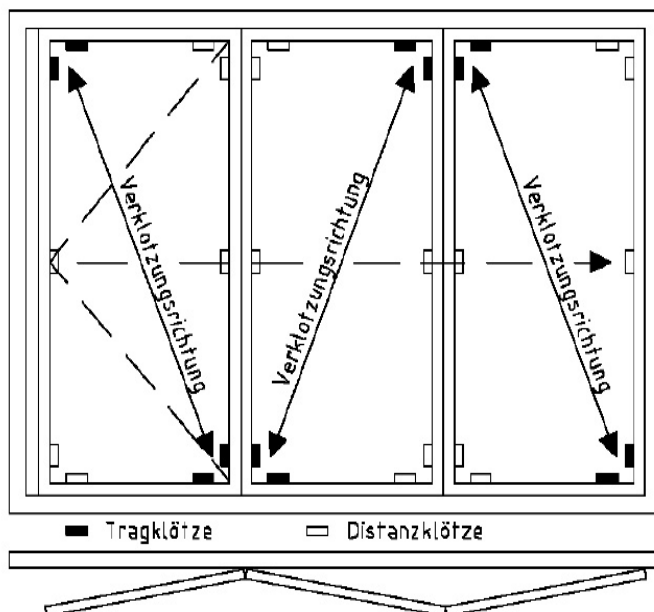
### Attention!

If water comes into the middle channel of the raised floor track check the packing of the glass in the panels. If the glass is not totally upright in the panel, the pressure on the gaskets is reduced. If necessary, you can drain the floor track. A (chargeable) jig for the necessary drainage drillings is available on demand.

If the unit has got a flush floor track you need to provide a drainage before you fit the unit into the opening. Because of the brush gaskets under the panels with a flush floor track it cannot be completely excluded that water could occur in the centre channel of the profile.

## Rearrange the glass packing

- Before you start rearranging the packing of the glass, check that the frame has been fitted correctly into the structural opening (flush, plumb and level, check the diagonal lines). Correct the fitting of the frame if necessary.
- To pack the glass first remove the glazing gasket inside and glass bead.
- Exchange the packer on top of the glass by a thicker packer.
- The packing of the glass units in a set of folding sliding doors always needs to follow the direction from the fixed point below (frame hinge, roller) to the lockset side at the top.



- Es sind die allgemein gültigen Richtlinien für die Verglasung anzuwenden.  
 - Die umlaufend im Glasfalz eingesetzten Glasklötze sind gegen Verrutschen zu sichern.

Text in the drawing:

Tragklötze = carring packers / Distanzklötze = distance packers

Verklotzungsrichtung = packing direction