

8.6.2 Scissors-slider



DANGER

Connecting the scissors-slider to the sash incorrectly presents an immediate danger to life and may cause serious injuries.

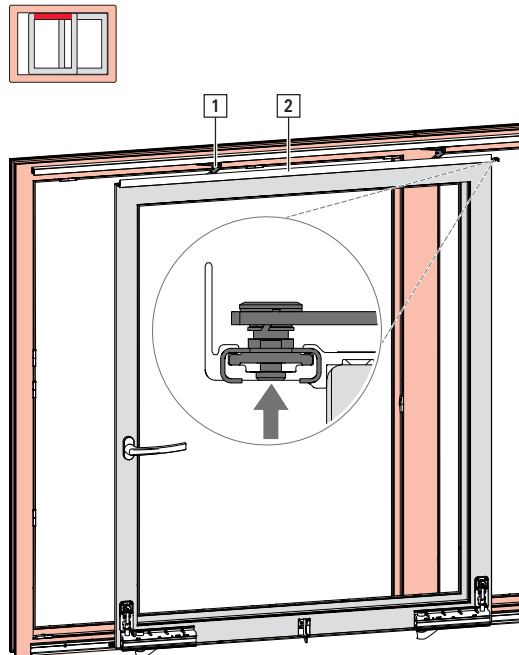
The window sash can fall out if the scissors-slider is not engaged in the hole in the stay-connecting profile properly or at all and the end caps for the stay-connecting profile have not been installed. This results in an immediate danger to life.

- ▶ Engage the scissors-slider safety pin in the drilled hole in the stay-connecting profile correctly (see the following figure).
- ▶ Install the end caps for the stay-connecting profile with the pre-assembled locking plate. → 8.6.3 "End caps for stay-connecting profile" on page 194

Inserting the scissors-slider into the sash

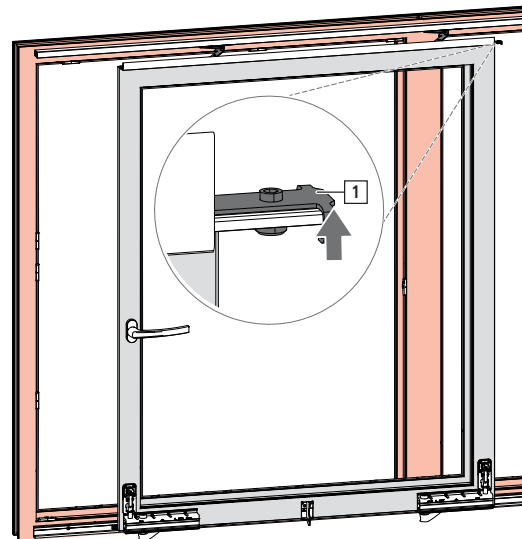
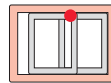
Drilled hole in the stay-connecting profile. → 8.4.13.3 "Stay-connecting profile (storage length)" on page 167

1. Insert the scissors-slider [1] into the groove in the stay-connecting profile [2] from the hinge side.



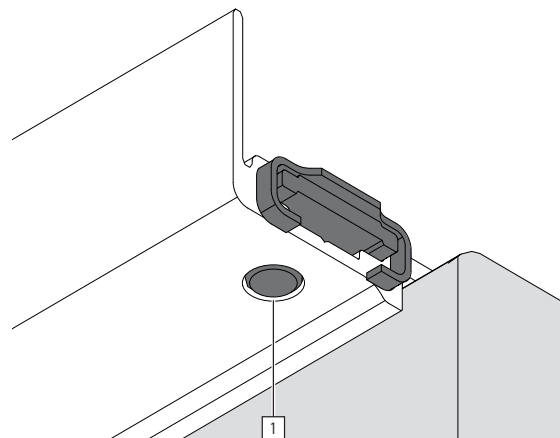
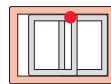


2. Push the scissors-slider spring [1] upwards.



3. Continue to push the scissors-slider until the scissors-slider safety pin engages in the drilled hole in the stay-connecting profile.

4. Check that the scissors-slider has been installed correctly.
The safety pin must be visibly engaged in the drilled hole [1] in the stay-connecting profile from below.

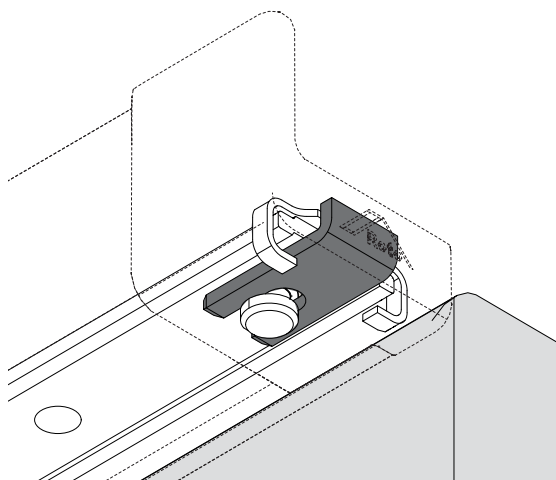
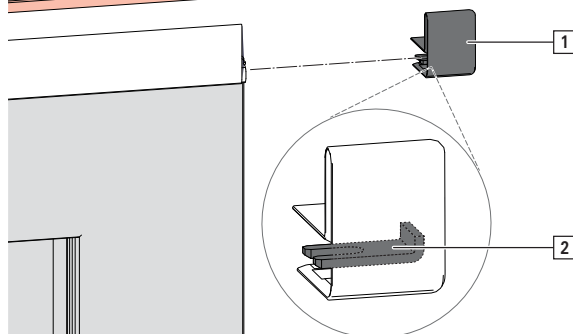
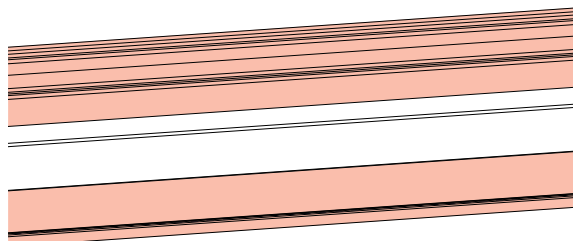
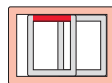


8.6.3 End caps for stay-connecting profile

Installing end caps for the stay-connecting profile

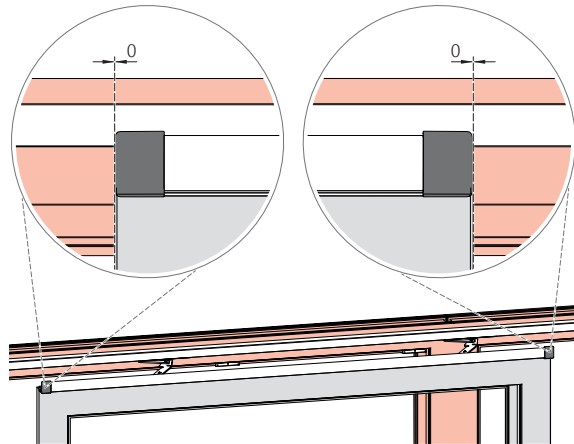
1. Place the end caps [1] on the left and right ends of the stay-connecting profile.

The locking plate [2] in the end caps prevents the safety pin from inadvertently coming out of the stay-connecting profile.





2. Check the end caps to ensure that they lie flush with the sash.



8.6.4 Bogie safety mechanism



PRECONDITION

Adjustment completed. → 9 "Adjustment" on page 207

- Horizontal bogies
- Horizontal clearance

Activating the bogie safety mechanism



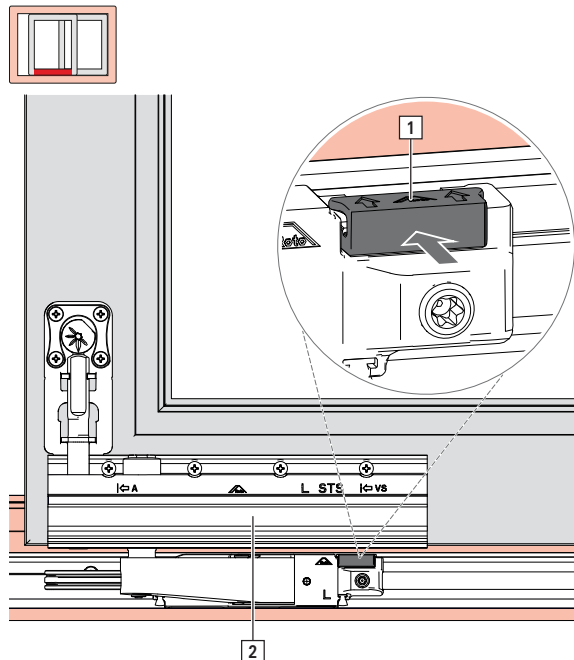
WARNING

A missing bogie safety mechanism poses the risk of injury and property damage.

If the bogie safety mechanism is not correctly engaged or not engaged at all, the window sash is not adequately secured.

- ▶ Check that the bogie safety mechanisms are correctly seated.
- ▶ Note the following figure.

1. Push the bogie safety mechanism [1] backwards on both bogies [2] until it engages.





9 Adjustment

9.1 Aligning the sash horizontally



ATTENTION

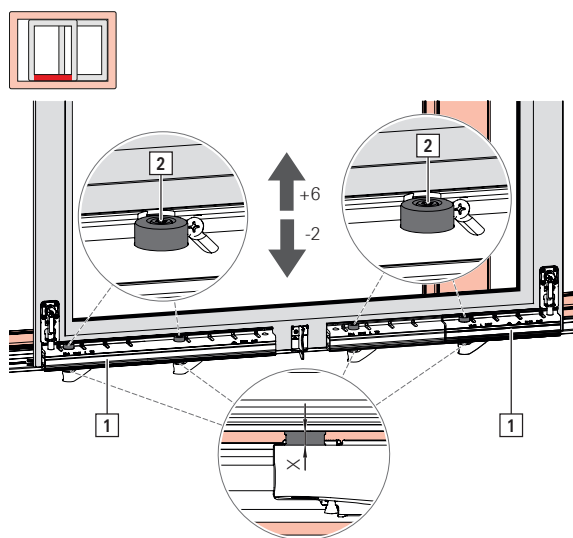
Uneven adjustment may result in property damage.

The bogies are preset evenly at the factory. To correctly align the sash, adjust the bogies evenly – so that they do not tilt – using their adjusting screws.

- ▶ Align both bogies evenly using their adjusting screws.

Setting the height of the sash in the frame

1. Check the horizontal clearance below.
2. Use a T25 hexalobular socket screwdriver on the adjusting screws [2] to align the bogies [1].
 - 1 adjusting screw per bogie
 - 2 adjusting screws per tandem bogie
 - a. Too little clearance: Evenly adjust the adjusting screws in clockwise direction.
 - b. Too much clearance: Evenly adjust the adjusting screws in counter-clockwise direction.



INFO

Adjusting screw original position $X = 5 \text{ mm}$

$X_{\text{max.}} = 11 \text{ mm}$

$X_{\text{min.}} = 3 \text{ mm}$

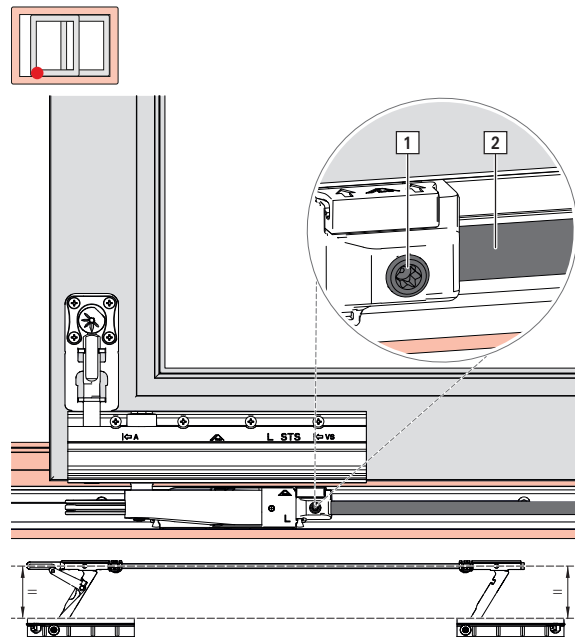
9.2 Aligning the bogies parallel

Setting the sash to run into the frame evenly

1. Move the sash into the sliding position.

Adjustment Adjusting reinforcement brackets

2. Adjust the connecting rod.
 - a. Loosen the screw [1] on the connecting rod [2] using a T25 hexalobular socket screwdriver on the locking-side bogie.
 - b. Align the bogie on the hinge side to be parallel by moving the connecting rod to the left or right.
 - c. Tighten the screw on the connecting rod using a T25 hexalobular socket screwdriver (torque: max. 5 - Nm) on the locking-side bogie.

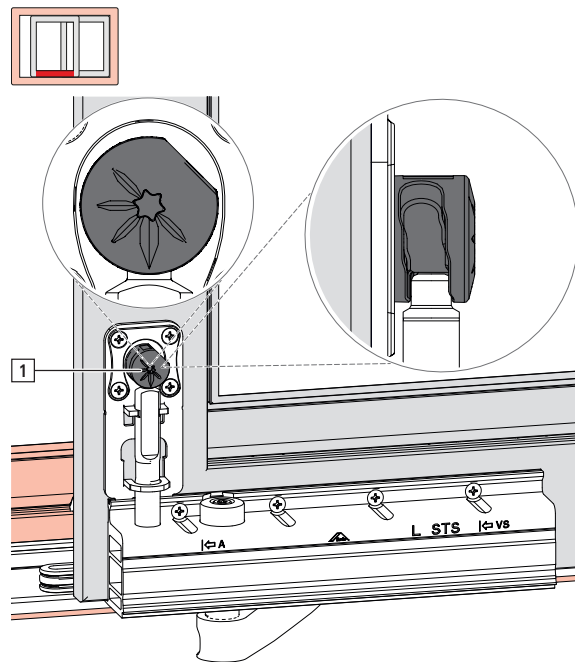


9.3 Adjusting reinforcement brackets

Adjust the reinforcement brackets to optimise the smooth running of the sash into the frame.

Adjusting reinforcement brackets from their original position

1. Adjust both reinforcement brackets evenly [1].
The markings must be in the same position on both sides of the sash.



2. Adjust by turning counterclockwise with a T25 hexalobular socket screwdriver and the sash will close more easily.



Adjust by turning clockwise with a T25 hexalobular socket screwdriver and the sash will open more easily.


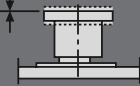

3. Check whether the bogies run smoothly.
 If too extreme an adjustment is made, the bogies may drag.

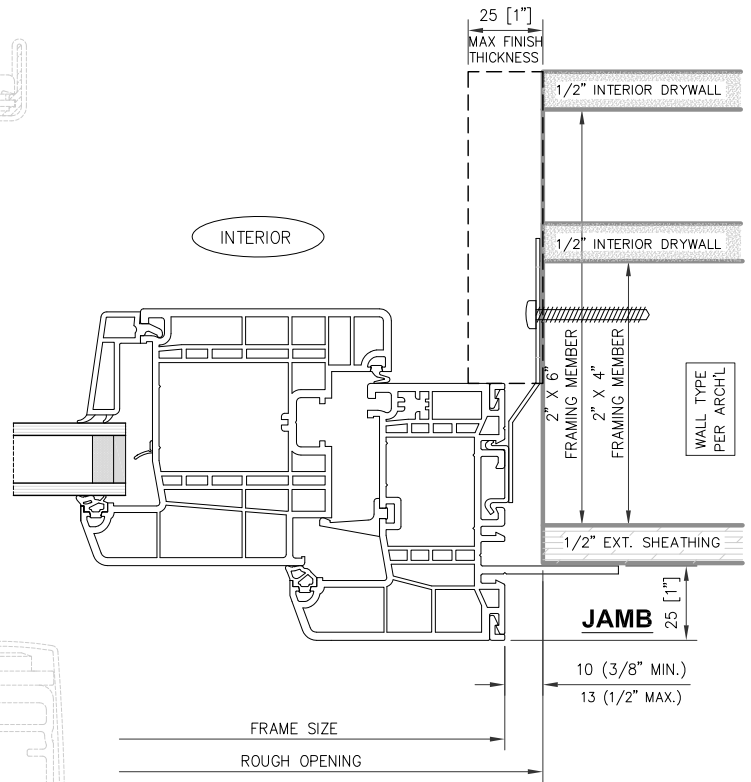
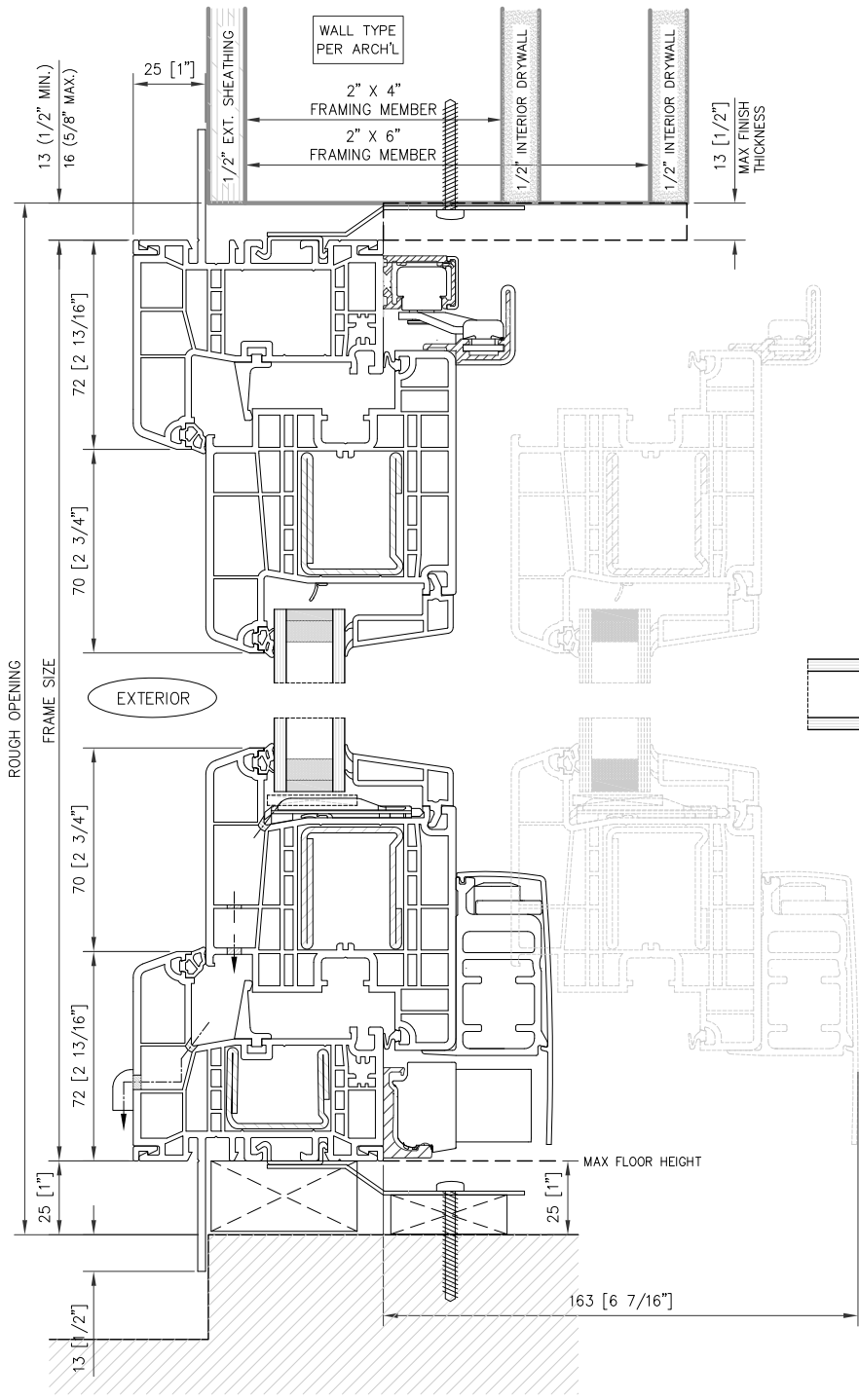
9.4 Adjusting the locking cam

E cam

E cam	Adjustment track	Gasket compression adjustment/mm	Height	Profile view
				
		± 0.8 mm		

V cam

V cam	Adjustment track	Gasket compression adjustment/mm	Height adjustment/mm	Profile view
				
				



WALL TYPE PER ARCH'L

2" X 4" FRAMING MEMBER
2" X 6" FRAMING MEMBER

1/2" EXT. SHEATHING

1/2" INTERIOR DRYWALL

1/2" INTERIOR DRYWALL

13 [1/2"] MAX FINISH THICKNESS

INTERIOR

25 [1"] MAX FINISH THICKNESS

1/2" INTERIOR DRYWALL

1/2" INTERIOR DRYWALL

2" X 6" FRAMING MEMBER
2" X 4" FRAMING MEMBER

WALL TYPE PER ARCH'L

1/2" EXT. SHEATHING

JAMB 25 [1"]

10 (3/8" MIN.)
13 (1/2" MAX.)

FRAME SIZE

ROUGH OPENING