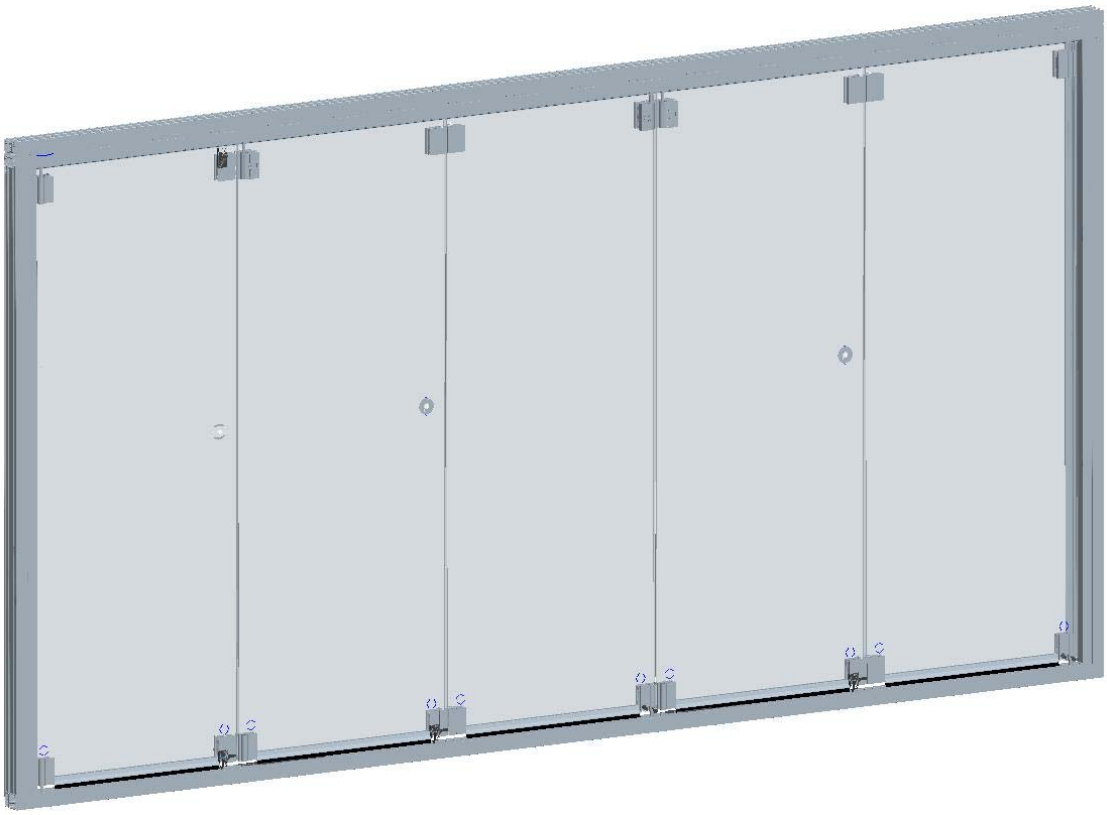
Maintenance Instructions and Directions for Use

Multi-utility folding partition w49-c



Important notes for specialist retailers and end users

Please read carefully before using!
These instructions must be kept by the end user

116489

Retrieving information:
Simpy scan the QR code into your mobile end device to receive everything you need to know to operate the Multi-utility Folding Partition w49-c

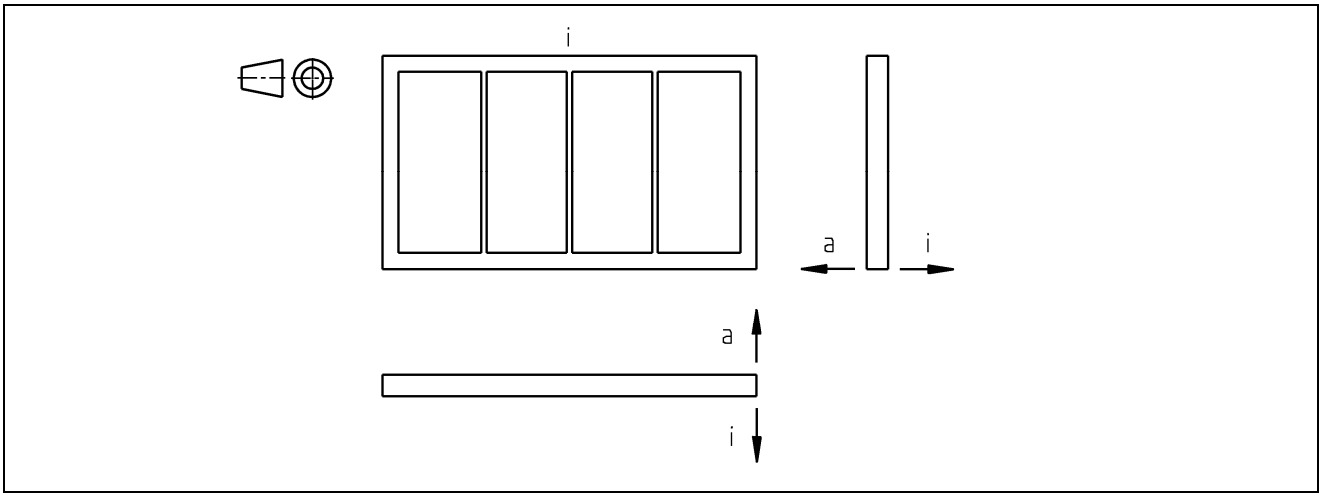
1 Contents

2 Reading the Maintenance Instructions and Directions for Use

Read the Maintenance Instructions and Directions for Use before using the product for the first time. For personal safety, it is important that these instructions are complied with. Non-compliance means the manufacturer does not carry any liability.

All instructions and directions for use supplied with the unit must be kept by the customer and passed on to the new owner if the unit is sold on.

Unless otherwise stated, these maintenance and directions for use always presume that the glazing elements are shown from the following angle:



a	Exterior
i	Interior

2.1 Warnings

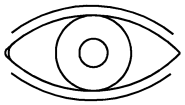
The warnings differentiate between personal injury and damage to property. The signal word "Danger" is used for personal injury, and "Caution" for property damage.

DANGER	Immediate danger to life and limb!
CAUTION	Immediate danger to the product and environment!

2.2 Tips and recommendations

	Highlights tips and information that make for correct use of the product.

2.3 Explanation of symbols

Symbol	Explanation	Remarks
	Indicates the angle from which a detail is viewed on a drawing/illustration.	This is to help you find your bearings if something is shown from an angle other than that mentioned on page 4.
	Risk of breaking glass	
\\	Parallel	

3 Safety notes

3.1 Fundamental safety notes

DANGER

Personal injury

Risk of personal injury due to improper use of the glazing elements.
Please read and observe the safety notes contained in this section.

CAUTION

Product and property damage

Risk of damage to the product and property due to improper use of the glazing elements.
Please read and observe the safety notes contained in this section.

3.2 Proper and safe use

weinor glazing elements are intended to be fitted in conservatories, under patio roofs or other connecting passages.
Glazing elements may only be used for vertical glazing.
Important! Please remember that certain areas require the use of laminated sheet glass (LSG) or single pane safety glass or single pane safety glass with heat-soak test.
The planning and installation of glazing elements in or around parapets or in areas requiring anti-fall guards must be performed in accordance with current regulations and guidelines and are the responsibility of the site foreman.
All supplied profiles and components (especially frame and stave profiles) must be fitted without fail.

4 Description of construction and function

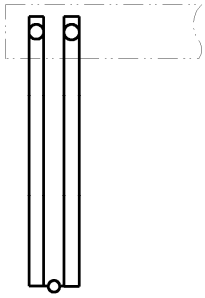
Only high-quality low-corrosion or corrosion-resistant materials are used in the glazing elements. The profiles are made of extruded aluminium. All connecting parts, such as screws, are made of stainless steel. All outside aluminium parts are powder coated.

This unit:

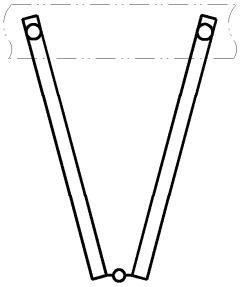
- should open at each pair of leafs as well as the permanently fixed side leafs
- can be parked to the left, to the right, or to the left and right depending on the version (see 6.5.4)
- The pairs of leafs slide freely to a closed and a V-position.
- They also slide around corners when in the V-position.
- Can be locked from the inside.

Leaf positions:

Parallel
(leafs in "park")



V-position
(leafs slide freely)



Closed
(leafs slide freely)

5 Maintenance

5.1 Cleaning

- Clean aluminium parts and aluminium profiles
- Clean the glass panels
- Clean the bottom guide profile
- Clean stainless steel parts
- Clean the water drains

5.2 General cleaning guidelines

- Acids and aggressive cleaning agents such as abrasives, steel wool, scouring pads and knives/blades, as well as solvent-based cleaners (thinner, benzene) are not suitable cleaning materials and may cause irreparable damage.
- All regulations relating to accident prevention, environmental compliance and sealing off the immediate surroundings must be observed at all times.

CAUTION

Damage to the product

Particularly in saltwater areas, there is a possibility that salt may disperse or accumulate on the product.

► **Wash off any salt deposits at regular intervals or as required, but no less than twice a year. Recommendation: Call in a specialist company to do the work for you. This is a good way to protect the aluminium parts and their surface from being corroded by salty water.**

5.3 Cleaning powder-coated aluminium parts and profiles

- So that you may enjoy your multi-utility folding partition for many years to come, we recommend that you clean the aluminium profiles at least once a year – and even more often if heavily soiled.
- To do so, use plain water only, which may also contain minor amounts of pH-neutral or very weakly alkaline detergents.

5.4 Cleaning the glass panels

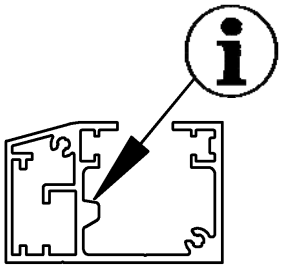
- Use ample amounts of clean water to avoid dirt particles scratching the surface.
- Use neutral cleaning agents as far as possible to clean the glass panels.
- Do not use sharp objects to clean the glass panels as these may damage the glass.
- In the case of sand-blasted glass surfaces (e.g. satin glass) with or without anti fingermark finish (special surface coating), clean the glass using clear water and a soft cloth only. The use of aggressive alkaline-based or acid-based cleaning agents will result in damage to the anti fingermark finish.

5.5 Clean the bottom guide profile

- Keep the bottom guide profile free of coarse dirt, e.g. by using a vacuum cleaner.
- Coarse dirt can impair the smooth operation of the leafs.

	The contact surface shown here may wear down and lose its coating. This is an unavoidable form of wear and tear and does not mean the product is in any way defective. If cleaned at regular intervals, the unit will continue to run as normal. The unit should be cleaned at least once a year, and more often if it becomes hard to move. Simply buff the contact surface with fine-grain sandpaper (sandpaper grit ≥100/cm²), applying a small amount of pressure, and then wipe it clean using a damp cloth.

Figure 1: Bottom guide profile



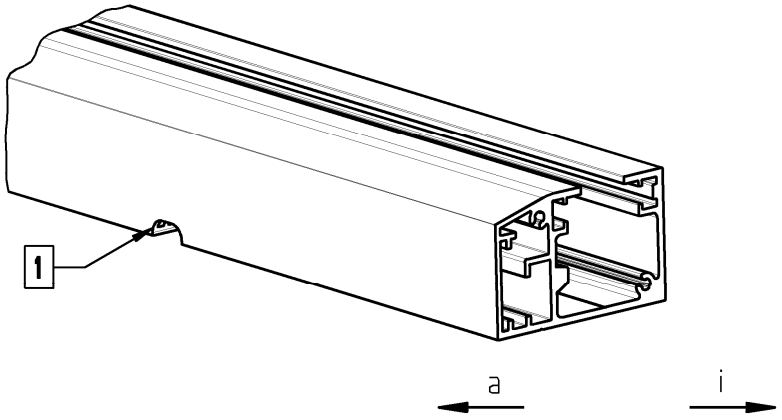
5.6 Clean stainless steel parts

- All exposed steel parts are made of high-grade, low-corrosion stainless steel as standard. However, this does not fully exclude these parts displaying minor signs of corrosion, especially if located near industrial plants or areas where saltwater is prevalent.
- Should you find the incidence of rust to be particularly high or that the rust cannot be removed, we recommend that you replace these parts with ones which are even more corrosion-resistant. These can be ordered from weinor.
- Tiny dust particles can also settle on parts that rust without these particles actually corroding the parts. This so-called flash rust can be easily removed using standard household steel polish and plenty of water.

5.7 Cleaning the water drains

To ensure proper water drainage, make sure that all water drains have been cleared of coarse dirt and foreign objects. Also clear any snow and ice in winter.

Figure 2: Bottom guide profile with water drainage



1 Water drain

5.8 Important guidelines for the winter season

- During wintry conditions and snowfalls, and when temperatures fluctuate around freezing point, you may find snow has settled and/or ice has formed on inner and outer parts or inside the bottom guide profile, which may result in leafs, locks or catches freezing and you being unable to use these parts. These are not product deficiencies. In the worst-case scenario, the unit will no longer open.
- To restore the parts in question to full operability, you will need to free them from any snow and ice in the proper manner.

5.9 Maintenance work

- Check the moving and locking mechanisms at regular intervals to ensure they are still in proper working order.
- Clean all parts at regular intervals that are in contact with other parts (such as the bottom guide profile which comes into contact with the castorss) as well as all moving parts, and lubricate with silicone oil if required.
- Parts subject to wear and tear should be replaced by professionally trained staff if they are no longer functional.
- If construction work is being carried out near the glazing elements, ensure that all surfaces (aluminium profiles and glass) are fully protected to prevent any damage resulting from wet mortar, plaster or any other materials that might damage the glazing elements.

6 Directions for use

6.1 Safety notes

DANGER

Powerful magnets installed

Immediate danger due to magnetic field



- **Anyone wearing a pacemaker must steer clear of the magnets at all times**
- **Beware of nip points or pinch point hazards**

CAUTION

Powerful magnets installed

Immediate danger due to magnetic field

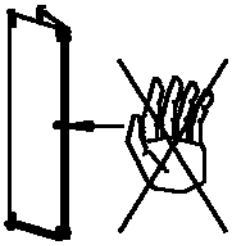


- **Keep electronic data carriers (e.g. credit cards) and electronic devices (e.g. mobile phones) away from the magnets**
- **Do not approach the magnets if carrying/wearing metal objects or watches**

DANGER

Risk of squashing and trapping

Beware of hands and feet being injured or squashed




- **Keep children away from the unit.**
- **Do not insert hands between the panes of glass that make up the pairs of leafs**

- The glazing element is a cold element without thermal separation, with gaps both between and around the leafs.
- As a result, the glazing element offers no insulation against heat or cold and only limited means of keeping out wind or rain. Gap seals (optional extras) can be used to improve the tightness of the glazing element. It is not possible to seal it entirely, however. The use of gap and brush seals increases the risk of condensation forming on the inside
- The thermal energy emitted by sunlight causes exposed outer surfaces to heat up naturally. This process causes a relatively high rise in temperature (50-60 °C or higher) on dark surfaces in particular.
- In very cold climates, however, the temperature of exposed surfaces can fall dramatically (even to below zero).
- Since aluminium is a very good conductor of heat, there is a potential danger that the inner surfaces will also become very hot (ranging from uncomfortably hot to a risk of burns) or very cold (potential risk of condensation forming).

6.2 Operating in heavy winds

CAUTION

Risk of breaking glass

Glass panes colliding due to the effects of the wind

- ► **The w49-c must be closed if winds reach at least force 7, which is defined as whole trees in motion; inconvenience felt when walking against wind.**
- ► **Alternatively, your w49-c can be fitted with a storm securing kit, i.e. every pair of leafs is equipped with a top-fitting lock; see 6.6.1**

6.3 Operating forces and sliding speed

Operating forces:

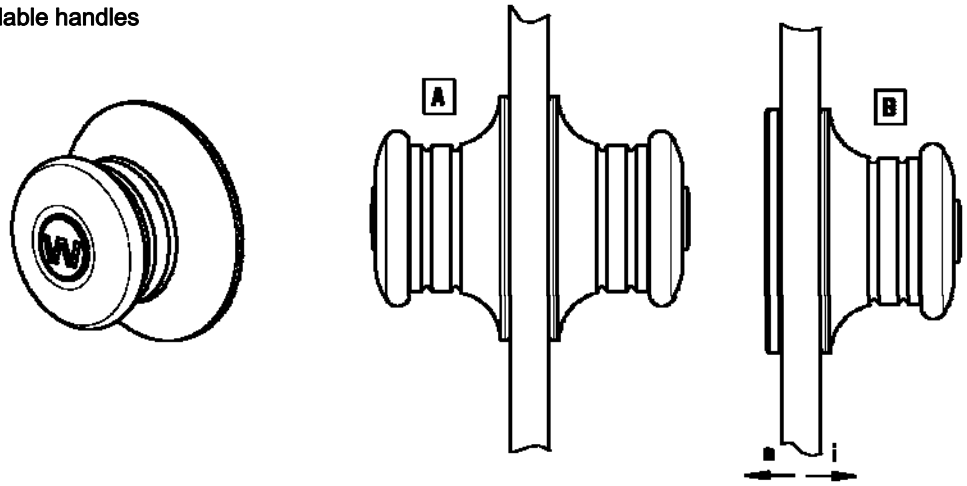
- The amount of force required to slide a pair of leafs ranges between 3 and 5 kg depending on the size of the leaf.
- The amount of force given here presupposes that the unit has been installed perfectly horizontally, that the guide profiles are free from dirt, the contact surface is clean and the castorss run smoothly.
- The presence of dirt and foreign objects in the guide profiles will increase the amount of force that is required.
- To keep the operating force as low as possible, the guide profiles should be cleaned and the castorss in the top guide profile lubricated at regular intervals.

Sliding speed

- When sliding the leafs, never exceed a walking pace. Sliding the leafs at a faster pace or slamming them open or shut may result in damage to the locks, catches, glass panels and profile coating.

6.4 Available handles

Figure: Available handles



A	Inside / outside operating handle
B	Inside operating handle

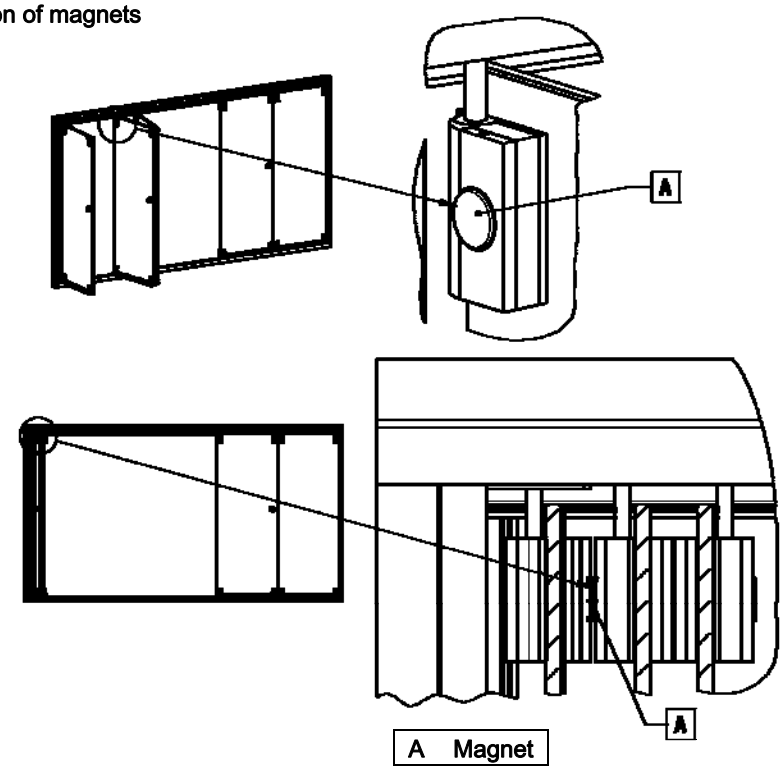
6.5 Location of magnets

DANGER

Immediate danger due to magnetic field; see 6.1

A clicking sound is heard when the magnets touch. This means you can rest assured that the unit has closed properly; see e.g. 6.6.4.
The magnets are always located below the round black plastic caps.

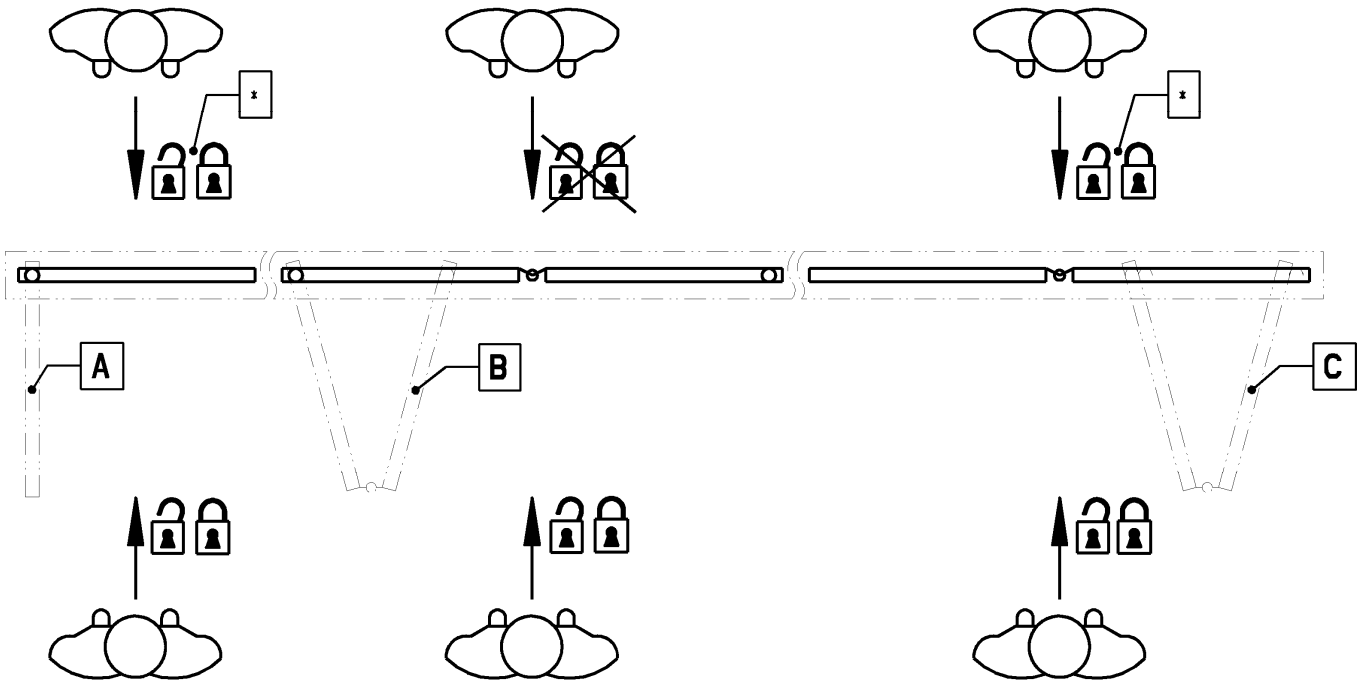
Figure 4: Location of magnets



A	Magnet

6.6 Summary of ways to lock and unlock the various leaf configurations

Figure 5: Ways to lock and unlock the various leaf configurations



A	Fixed leaf:	locks/unlocks from the inside and outside
B	Moveable pair of leafs:	only locks/unlocks from the inside
C	Fixed pair of leafs:	locks/unlocks from the inside and outside
*	Optional	

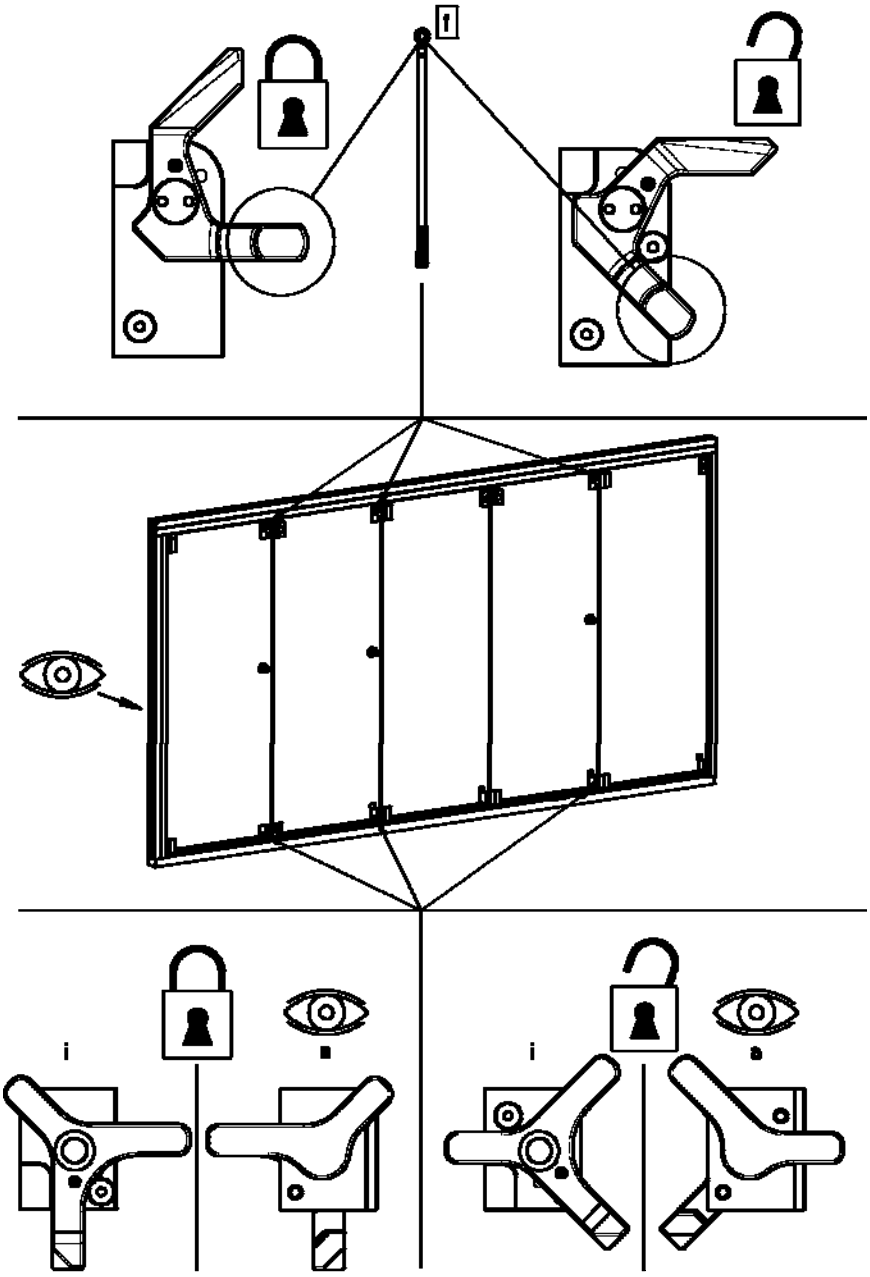
6.7 Opening the unit

6.7.1 Opening the locks/storm protector

DANGER

Risk of squashing and trapping; see 6.1
Immediate danger due to magnetic field; see 6.1/6.5

Figure 6: Opening the locks/storm protectors



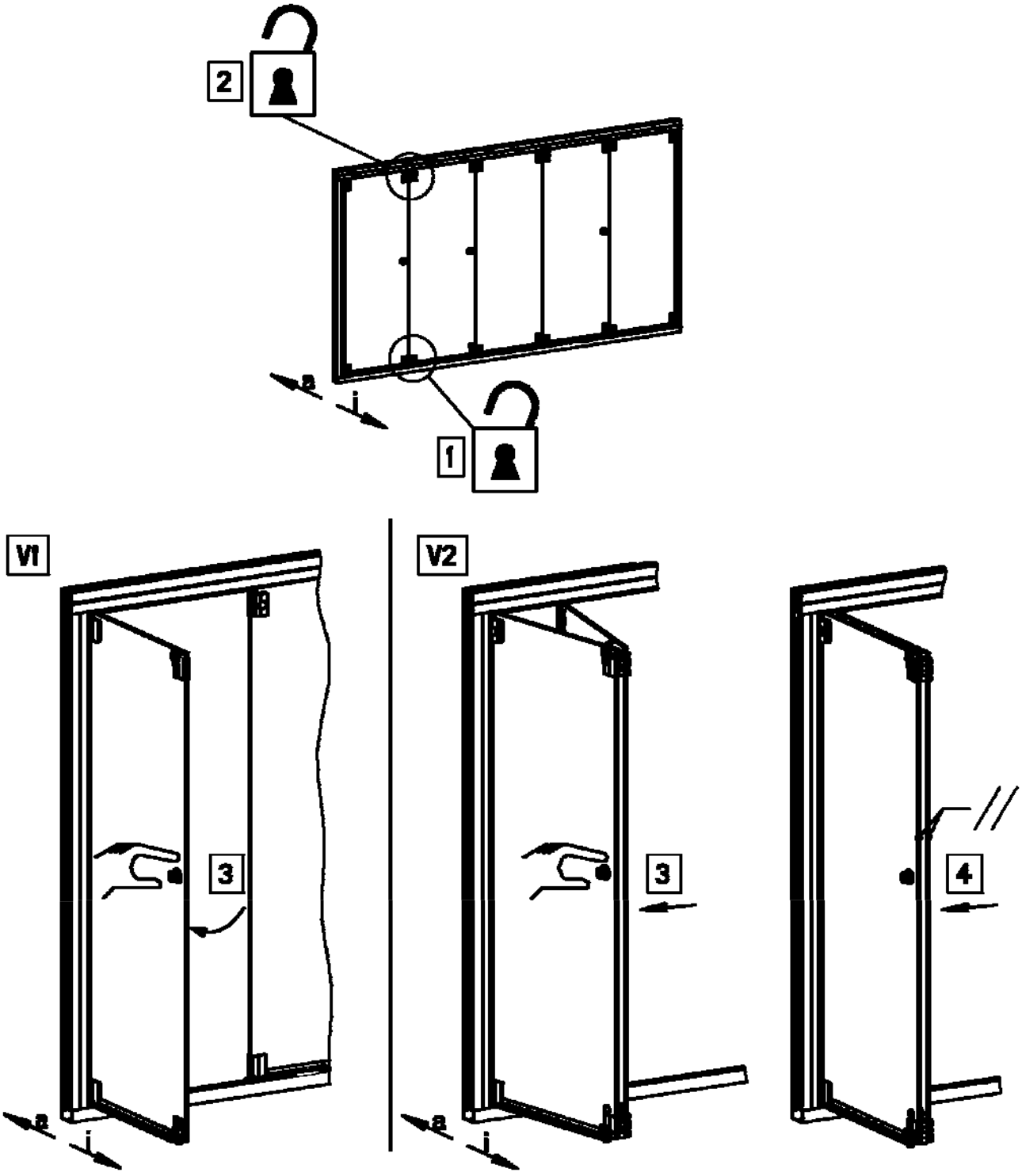
1 The "stay bar" supplied with the product can be used to open and close the upper locks (sometimes optional).

6.7.2 Opening the fixed side leaf/pairs of leafs

DANGER

Risk of squashing and trapping; see 6.1
Immediate danger due to magnetic field; see 6.1/6.5

Figure 7: Opening the fixed side leaf/pairs of leafs

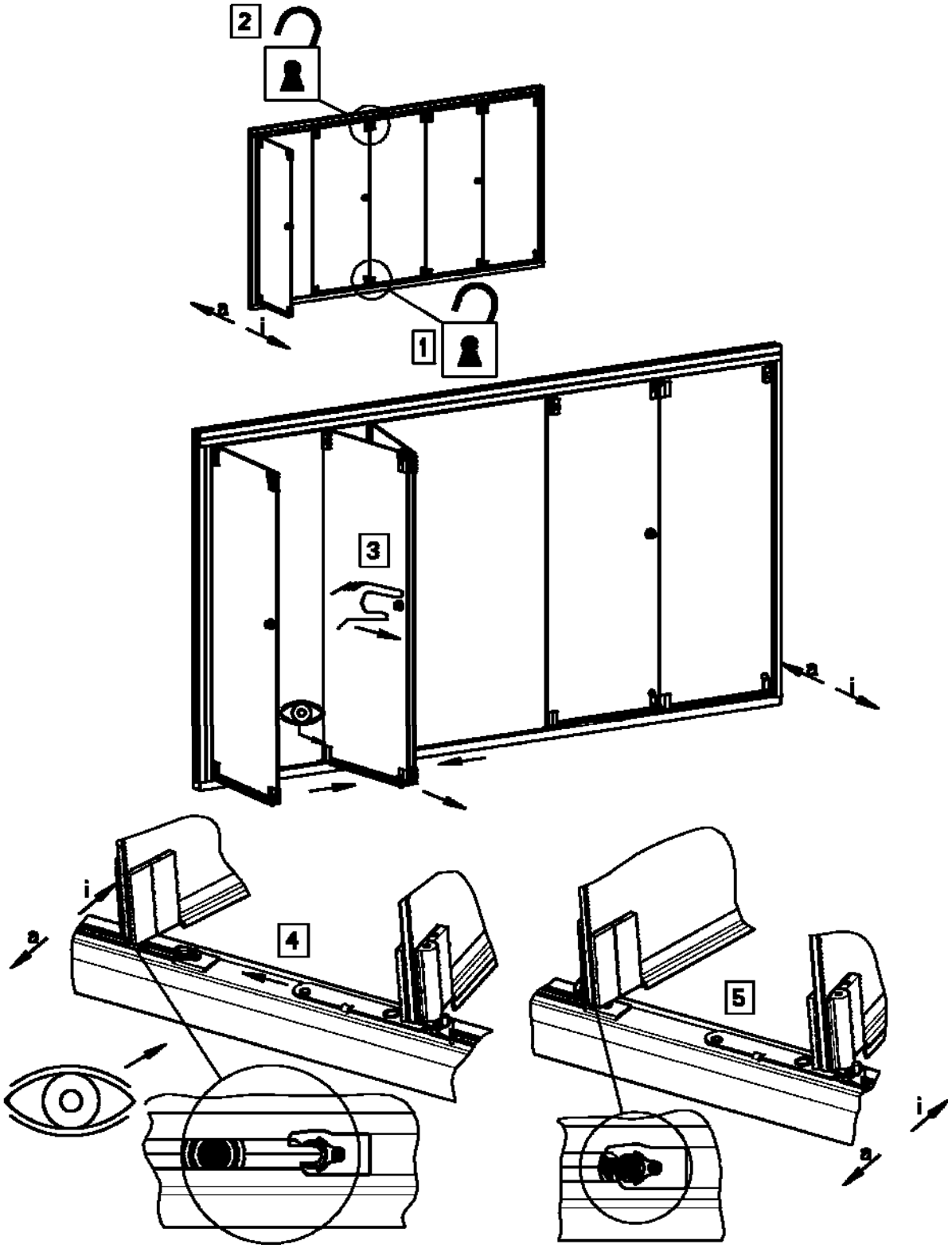


6.7.3 Locking a pair of leafs in the V-position

DANGER

Risk of squashing and trapping; see 6.1/6.5

Figure 8: Locking a pair of leafs in the V-position



6.7.4 Locking the leaf pair in the "park" position

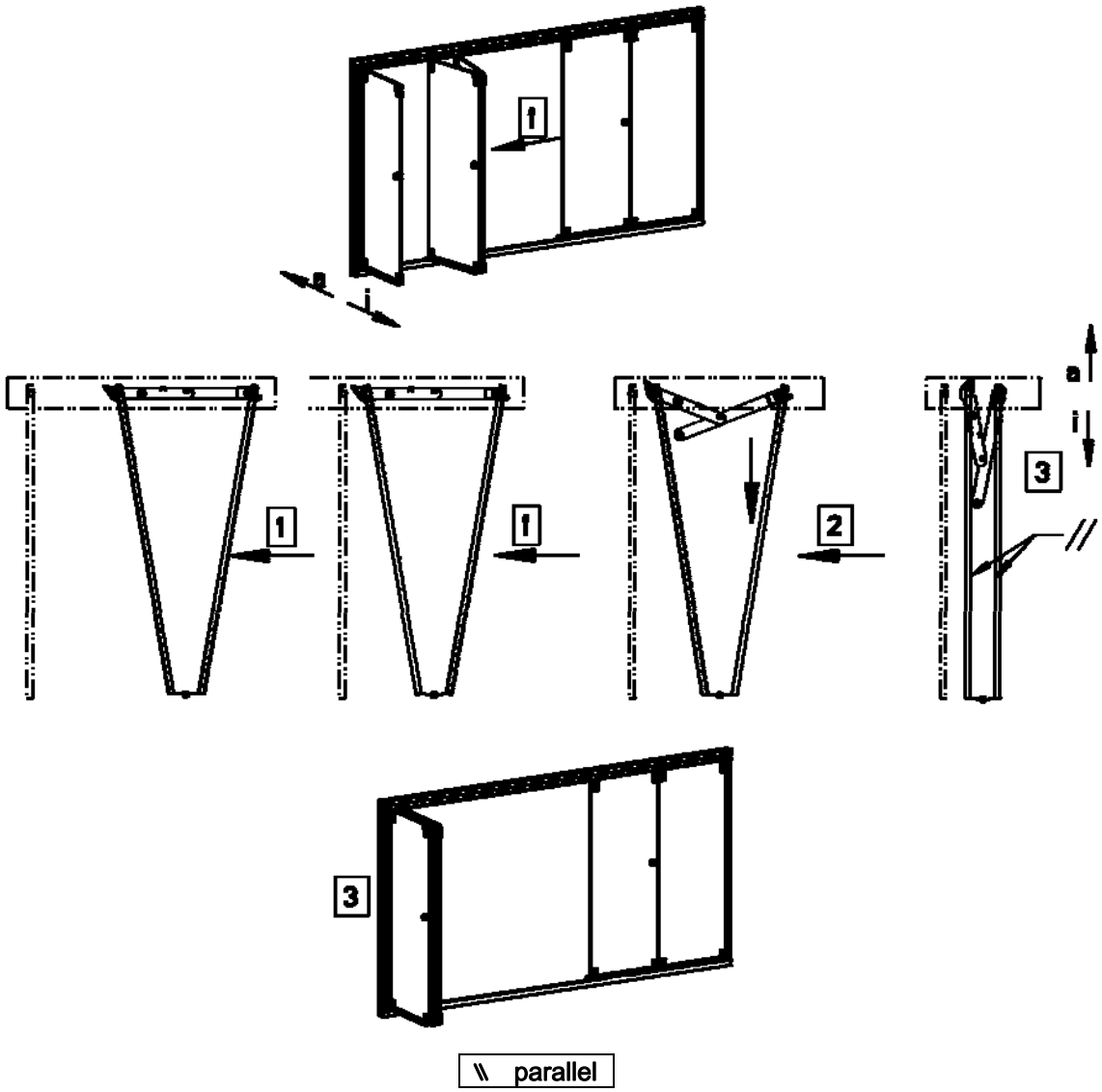
DANGER

Risk of squashing and trapping; see 6.1
Immediate danger due to magnetic field; see 6.1/6.5

CAUTION

Depending on the version ordered, your w49-c may be slid into "park" to either the left or right (looking from the inside out). Unless you have ordered a lockplate version, in which case a "park" position will be located on both sides. The operating handles indicate which pair of leafs slides where. If the operating handle is on the left-hand leaf of a pair, the leaf will park on the left. If the operating handle is on the right-hand leaf of a pair, the leaf will park on the right.

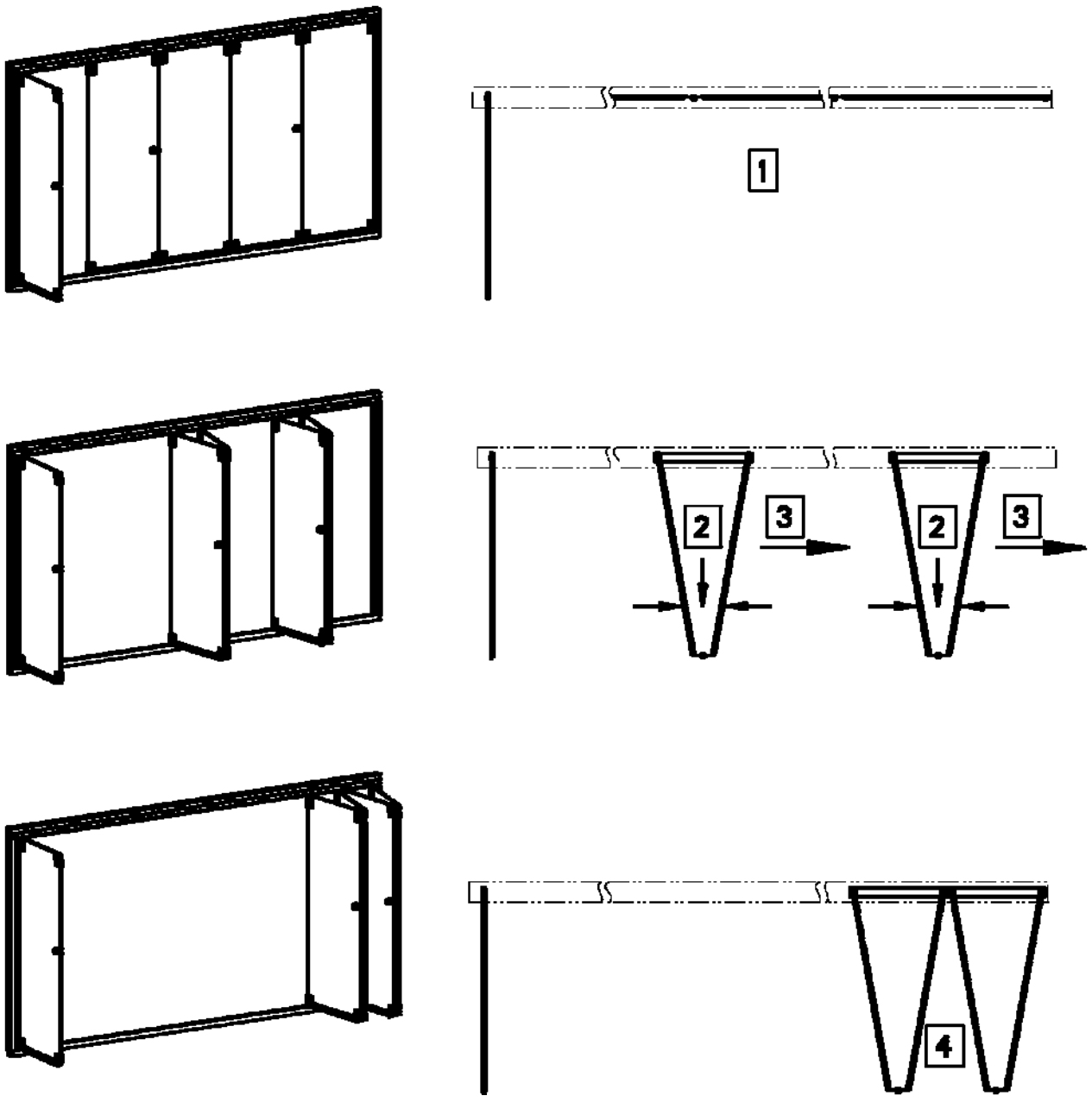
Figure 9: Locking the leaf pair in the "park" position



6.7.5 Parking the leafs outside the "park" position

ⓘ	You do not necessarily have to slide the leafs into "park" in order to open the multi-utility folding partition. The leafs will always stand firm whether closed or in the V-position. The example here shows a unit with permanently fixed leafs on the left-hand side plus two pairs of leafs, both of which are parked in a V-position at the right-hand side of the unit.

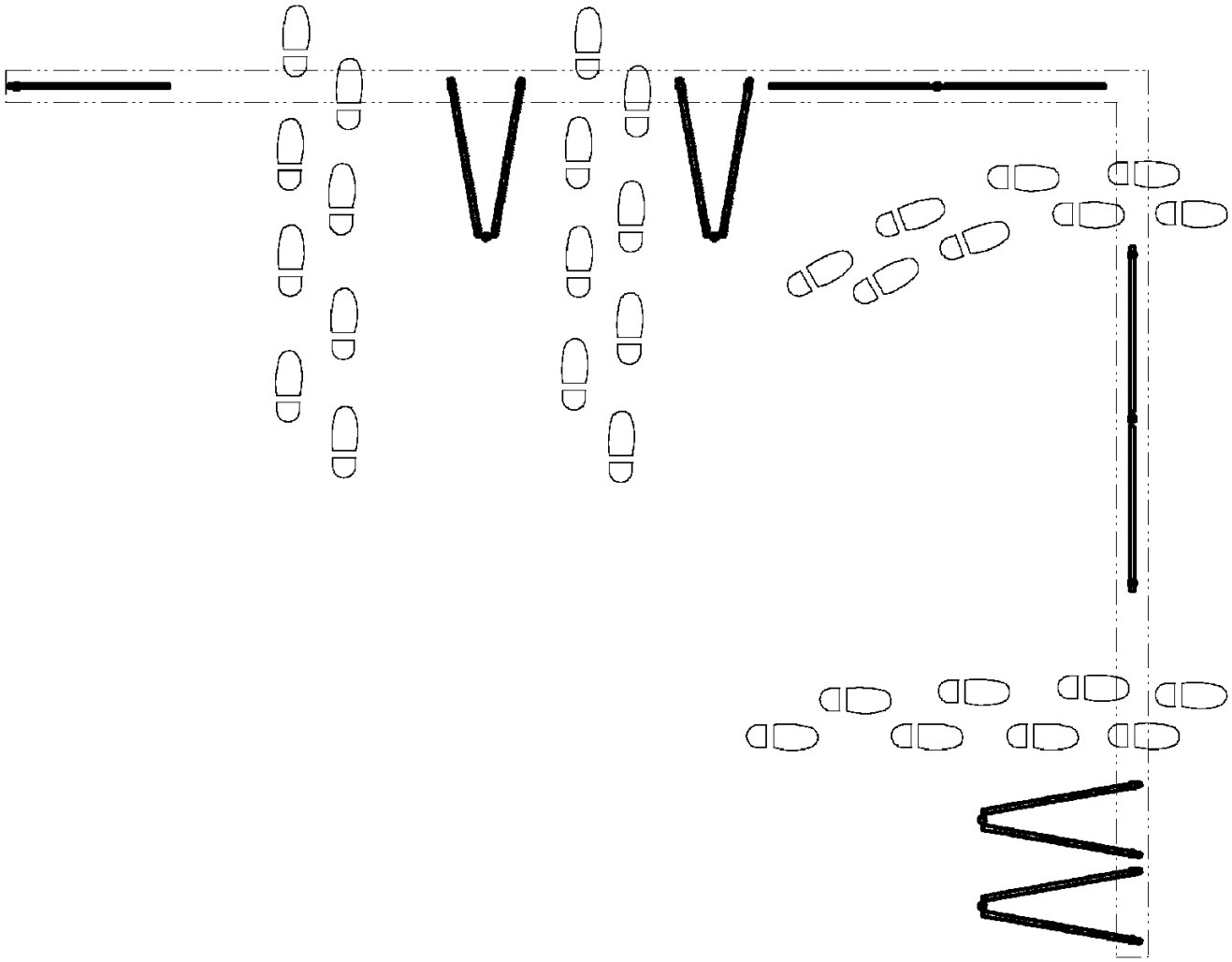
Figure 10: Parking the leafs outside the "park" position



6.7.6 Examples of ways to open the unit

ⓘ	The multi-utility folding partition can be opened at any particular point. The pairs of leafs slide from a closed and a V-position, and will even slide around corners when in a V-position. The example shown here illustrates where the unit can be opened.

Figure 11: Examples of ways to open the unit



6.8 Closing the unit

6.8.1 Unlocking a leaf pair in "park"

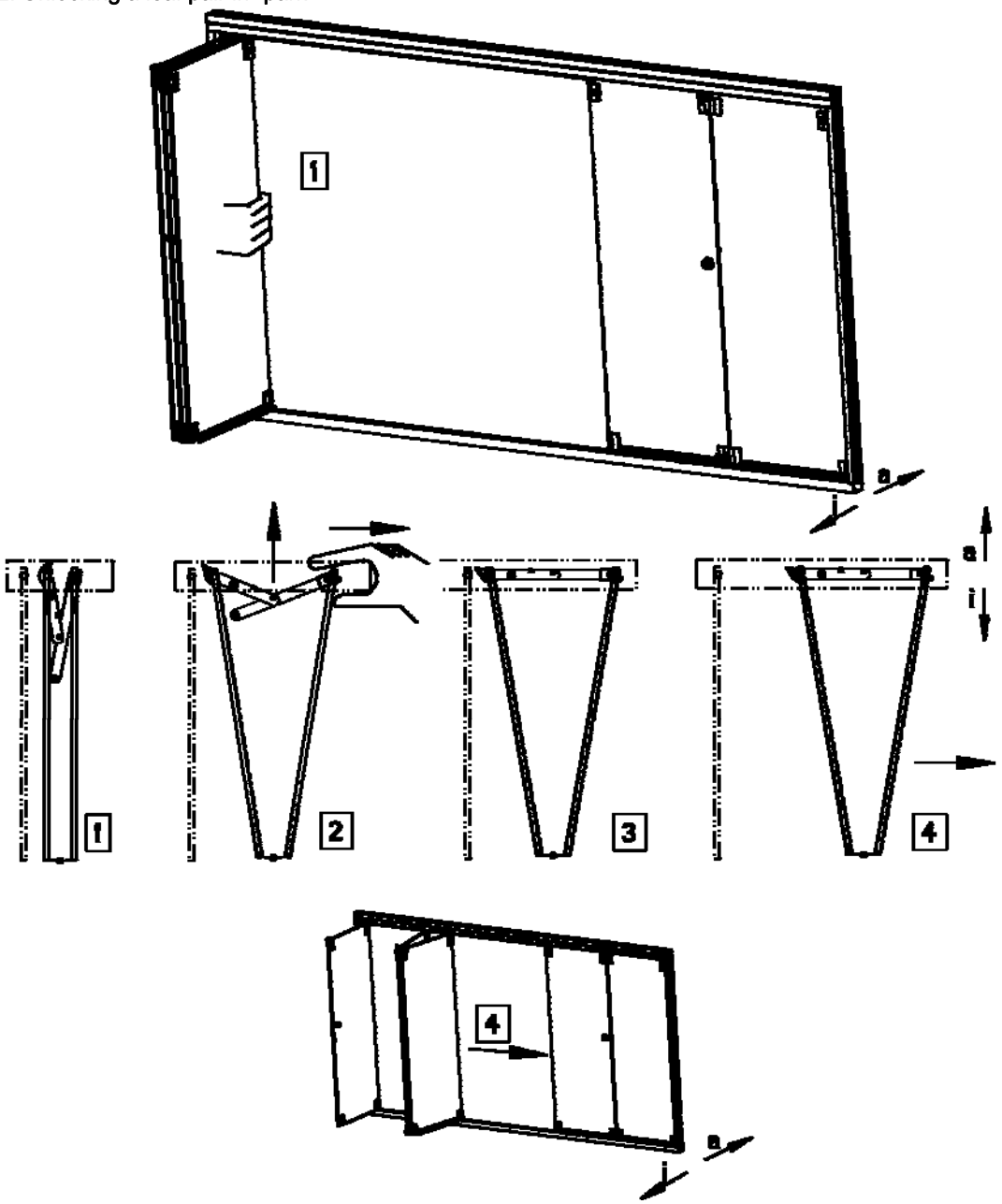
DANGER

Risk of squashing and trapping; see 6.1
Immediate danger due to magnetic field; see 6.1/6.5

CAUTION

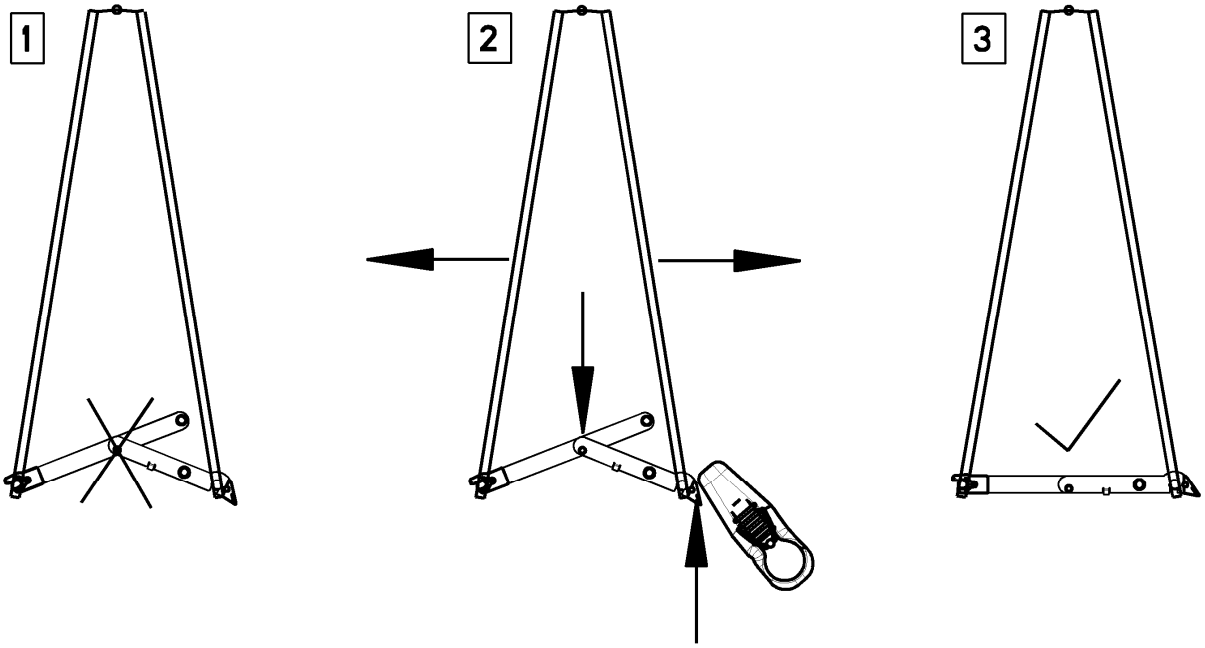
Never attempt to pull two leafs forming a pair from their locked position at the same time! When not in "park", the leafs are only stable
if closed or in the V-position. Make sure that the opening limiter is straight when the leafs are in the V-position. If not, it will need to be adjusted before you slide the leafs. Pull the pair of leafs swiftly from their "park" position.

Figure 12: Unlocking a leaf pair in "park"



	If the opening limiter has not engaged, pull the leafs apart while pulling the opening limiter straight using your hand or foot, as shown here.

Figure 13: Releasing the leafs from the V-position, locking them into a closed position

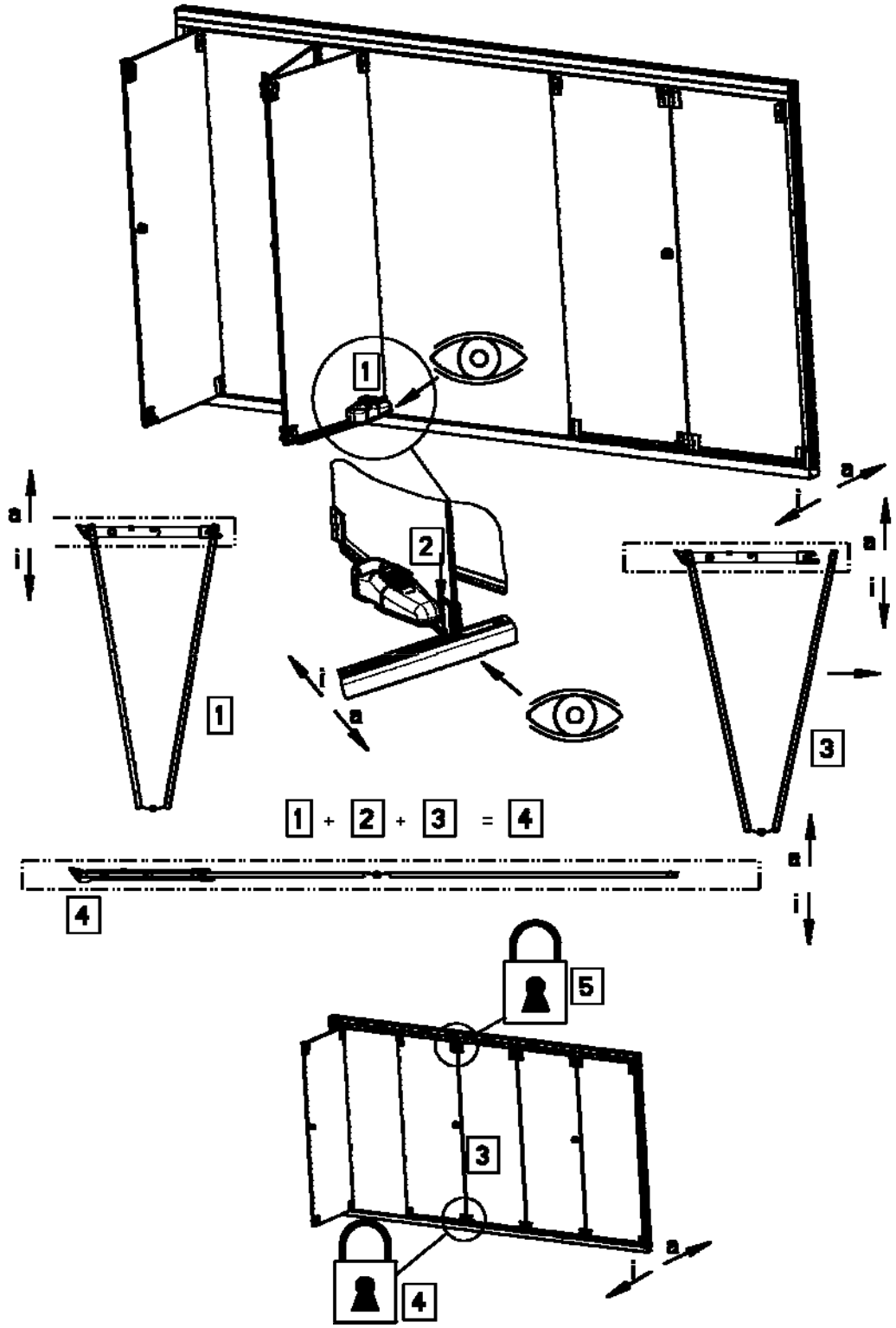


6.8.2 Releasing the leafs from the V-position, locking them into a closed position

DANGER

Risk of squashing and trapping; see 6.1/6.5

Figure 14: Releasing the leafs from the V-position, locking them into a closed position



6.9 Sliding a pair of leafs around a 90° corner

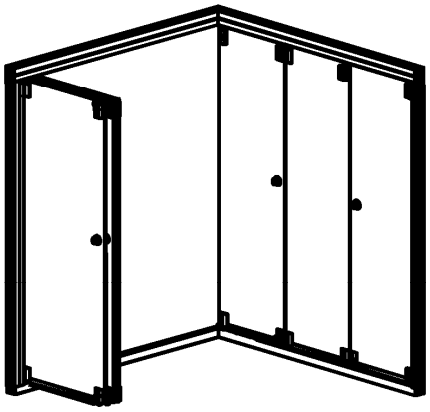
DANGER

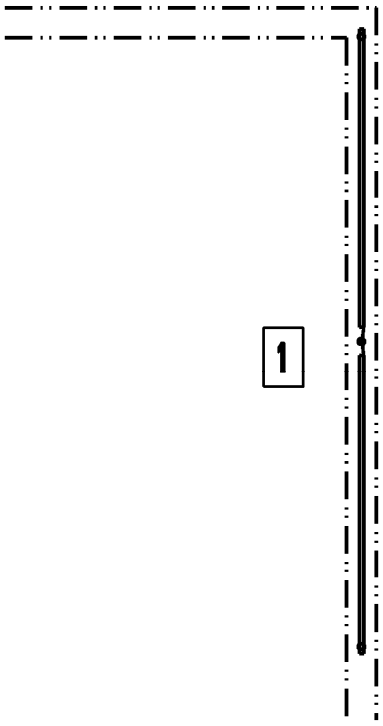
Risk of squashing and trapping; see 6.1/6.5

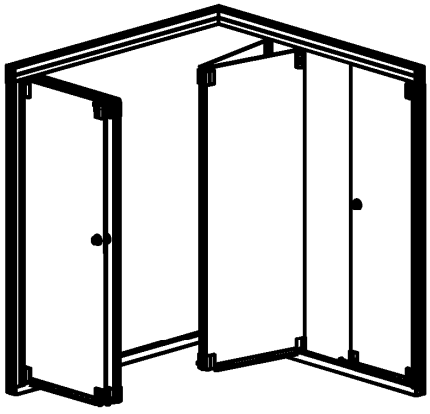
CAUTION

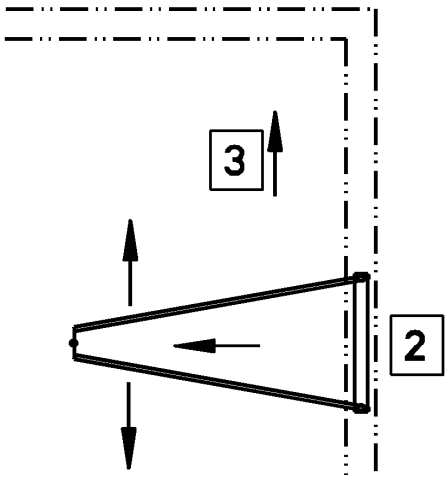
Ensure that the leafs do not knock against each other when sliding them round the corner.

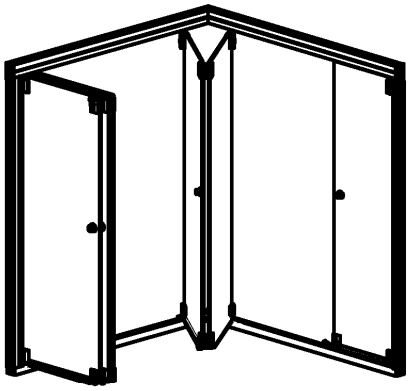
Figure 15: Sliding around a 90° corner

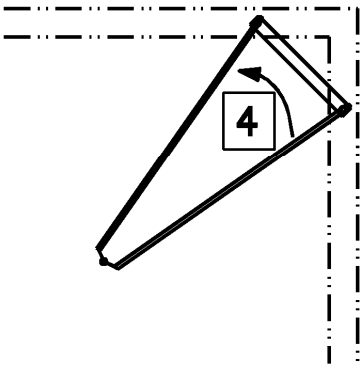








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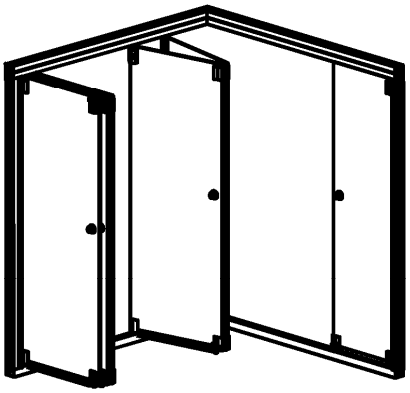

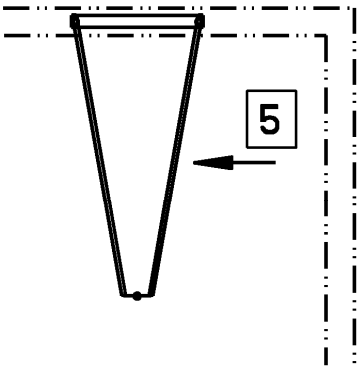
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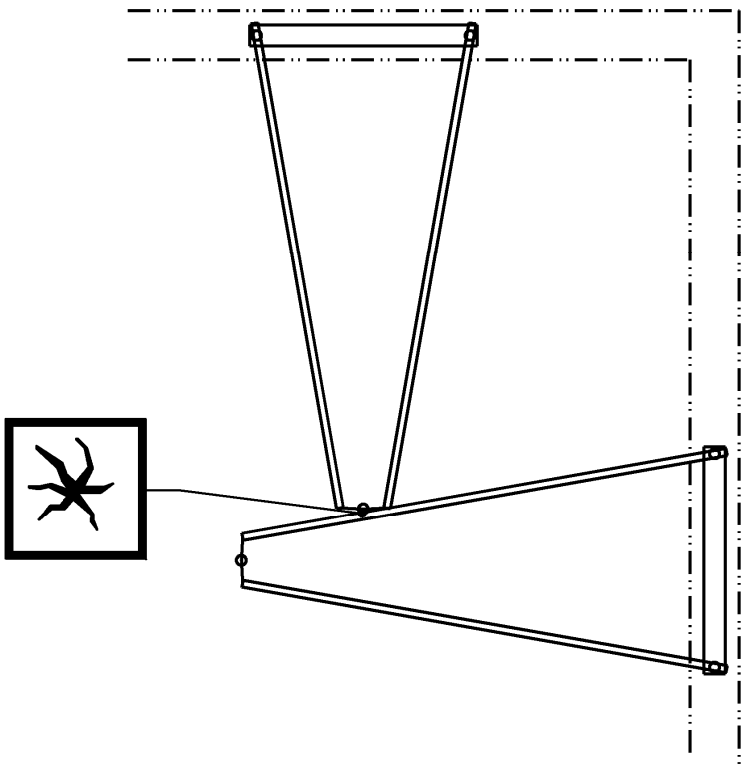
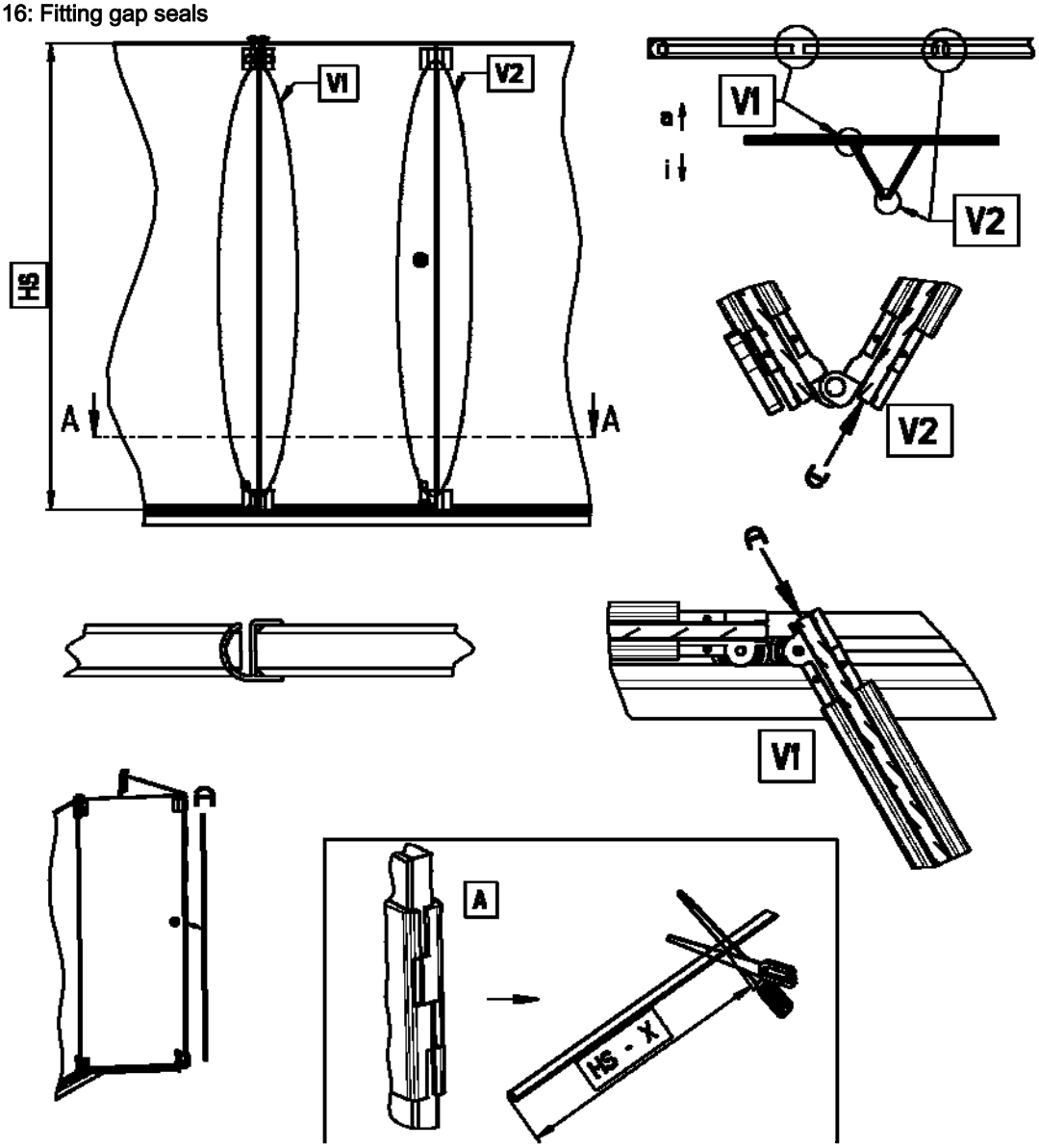


6.10 Fitting gap seals (optional)

ⓘ	The gap seal is an optional extra that further safeguards your w49-c against wind and rain. Even with these seals, the unit will not be completely sealed, however (see also Point 6.1). A gap seal is always fitted between two panes, with the opening facing outwards. No gap seals have been allowed for along the side frame as brushes have been fitted here. To clean the panes, it is recommended that you remove the seals to ensure that no dirt forms around the edges.

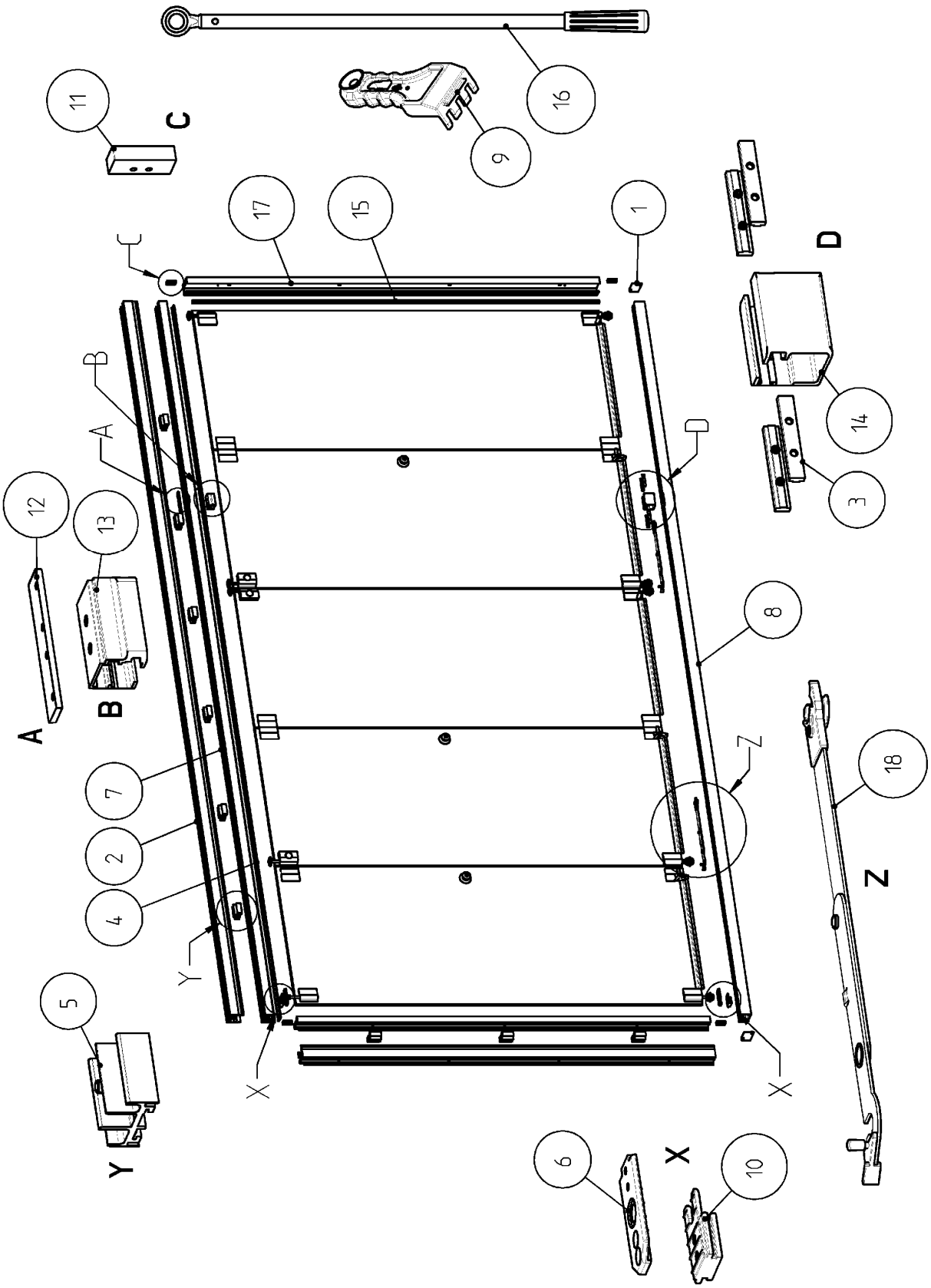
Figure 16: Fitting gap seals



V1	Seal between the leaf ends
V2	Seal between the leafs on a pair of leafs
HS	Height of gap seal (= height of glass)
A	Glass protection (pre-installed depending on leaf version)
X	approx. 180mm (only needs to be trimmed if A is pre-installed)

7 Exploded drawing of multi-utility folding partition w49-c

Figure 17: Exploded drawing of multi-utility folding partition w49-c



Item	Designation	Remarks
1	Cover plate for bottom guide profile	
2	Compensation profile	Optional
3	Clamping slider 59 for coupling, complete	
4	Brush FBL1248-K29 25 mm	
5	Adjuster with grub screws	1)
6	Anchorage for active leaf	2)
7	Top guide profile	
8	Bottom guide profile	
9	Glass mover, complete	
10	Active leaf brackets	2)
11	Coupling for wall connection and guide profiles	
12	Mounting plate for top faceplate	
13	Top faceplate	
14	Bottom faceplate	
15	Gap seal 8 mm	2) 3) optional
15.1	Gap seal 10 mm	2) 3) optional
15.2	Gap seal 12 mm	2) 3) optional
16	Stay bar, complete	sometimes optional
17	Side wall connection profile	
18	Opening limiter, complete, left	3)
18.1	Opening limiter, complete, right	3)
Legend:		
1) – Quantity depends on length of guide profiles		
2) – Quantity depends on number of fixed leafs		
3) – Quantity depends on number of leaf pairs		

8 Engineering/production-related features

As with all industrially produced products, weinor glazing elements may also contain unavoidable blemishes, which must be accepted for what they are. You may rest assured that we constantly seek to provide the best possible quality and keep enhancing it. The types of blemishes that may arise include:

Feature	Potential cause	Remedy		
		How?	By	See
Magnets make a banging noise on closing	• Leafs are closed, i.e. leafs have moved from a V-position to a parallel position	• No remedy required/envisaged – The acoustic signal ("bang") merely confirms that the leafs have closed as they should.	/	6.5
Draft coming through gaps in the panes	• Gap seals not ordered/fitted	• Order gap seals • Fit gap seals	R&P/EC	6.1
Condensation on glass panes	• Condensation forms as a result of water vapour in the air dripping onto cold surfaces when the air is below its so-called dew point temperature.	• Cannot be remedied • The possibility of condensation occurring cannot be excluded. • The amount of condensation can be reduced by: - Airing - Heating - Change of use	EC	6.1
Frayed brushes	• Wear and tear due to use of unit	• None required • Order new brushes • Replace brushes	R&P	/
Tiny air bubbles in glass	• Minor quantities of air have been trapped in the glass during production and show up as bubbles.	• Cannot be remedied • A visual assessment is generally made in accordance with the guidelines of the respective national associations and/or the manufacturers.	/	/
Minor scratches in the glass	• Production tolerances	• Replace the panes/leafs • A visual assessment is generally made in accordance with the guidelines of the respective national associations and/or the manufacturers.	R&P	/

Feature	Potential cause	Remedy		
		How?	By	See
Pimples on powder-coated parts	• Minor accumulations have arisen while powder coating the parts	• Cannot be remedied • A visual assessment is generally made in accordance with the guidelines of the respective national associations and/or the manufacturers.	/	/
Minor deviations in the colour of powder-coated parts	• Despite using the same RAL colours, there is always a possibility of two parts being slightly different in colour. This especially occurs when using metal or iron effect paint.	• Cannot be remedied • A visual assessment is generally made in accordance with the guidelines of the respective national associations and/or the manufacturers.	/	/
Minor scratches on powder-coated parts	• Production tolerances	• Touch-up pen • A visual assessment is generally made in accordance with the guidelines of the respective national associations and/or the manufacturers.	R&P/EC	/
Bare contact surface	• The contact surface in the bottom guide profile that supports the castorss is wearing down as expected from such use (the powder is wearing off).	• Cannot be remedied • Clean/machine the contact surface	R&P	5.5
Flash rust, pollutants	• Particles in the air settle on the unit's components, resulting in minor traces of corrosion.	• Treat with water and/or standard household stainless steel cleaners	EC	5.6
Glass curvature	• Each section of glass has a slight curve to it for production reasons, which should be virtually impossible to detect in ideal cases	• Cannot be remedied • weinor ensures that every pane curves in the same direction (this is verified by the safety stamp which is always affixed to the same spot on each pane). • A visual assessment is generally made in accordance with the guidelines of the respective national associations and/or the manufacturers.	/	/

Legend:
R&P - retailers and partners
EC - end customer

9 Troubleshooting

Error	Potential cause	Remedy		
		How?	By	See
Leaf pair does not lock into V-position	• Foreign objects in opening limiter	• Remove foreign objects / dirt from opening limiter	EC	
	• Bent opening limiter	• Move leaf pair to a stable position (1) • Adjust/align opening limiter, or replace if necessary (2)	EC (1) R&P (2)	6.7.3
	• Opening limiter incorrectly set/fitted	• Adjust/align opening limiter	R&P	Assembly instructions Point 7.1
V-position permanently locked in	• Foreign objects in opening limiter	• Remove foreign objects / dirt from guide profile	EC	
	• Bent opening limiter	• Move leaf pair to a stable position (1) Adjust/align • opening limiter, or replace if necessary (2)	EC (1) R&P (2)	
	• Opening limiter incorrectly set/fitted	• Adjust/align opening limiter	R&P	Assembly instructions Point 7.1
Leaf pair not parallel when moved into "park"	• The "park" position is on the other side	• Slide leaf pair over to other side	EC	
	• Fixed leaf is slanted; unit does not close properly	• Move leaf pair to a stable position (1) • Adjust/align opening limiter, or replace if necessary (2)	EC (1) R&P (2)	Assembly instructions Point 7.1
	• Bent opening limiter	• Move leaf pair to a stable position (1) • Adjust/align opening limiter, or replace if necessary (2)	EC (1) R&P (2)	
	• Foreign objects in opening limiter	• Remove foreign objects / dirt from opening limiter	EC	
	• Opening limiter incorrectly set/fitted	• Adjust/align opening limiter	R&P	Assembly instructions Point 7.1

Error	Potential cause	Remedy		
		How?	By	See
Leaf pair is parallel when not in "park"	• Operating error: both leafs on one leaf pair have been pulled out of "park"	• Lock leaf pair in V-position (1), • If this occurs frequently, re-set/re-align the opening limiter, or replace if necessary (2)	EC (1) R&P (2)	6.7.3
	• Opening limiter buckles in the V-position	• Lock leaf pair in V-position	EC	
Leaf pair will not slide	• Foreign objects in one of guide profiles	• Remove foreign objects / dirt from opening limiter	EC	
	• Top guide profile bows >10mm	• Adjust/align top guide profile	R&P	Assembly instructions Point 5.1
Leaf pair will not slide around the corner	• Leaf pair is not locked into V-position	• Lock leaf pair in V-position	EC	6.7.3
	• Foreign objects in one of guide profiles	• Remove foreign objects / dirt from guide profiles	EC	
Leaf pair will not slide over the revision aperture	• Faceplate fitted incorrectly	• Check position of faceplate and correct if necessary	R&P	Assembly instructions Point 5.5
Fixed leaf/ fixed leaf pair does not stay open when at 90°	• Fixed leaf/ fixed leaf pair has not been fitted horizontally to bottom guide profile	• Adjust/align fixed leaf/ fixed leaf pair	R&P	Assembly instructions Point 7.2.1
Gap between leafs too large (normally ≥2mm ≤5mm)	• Leafs incorrectly fitted/set	• Adjust/align leafs	R&P	Assembly instructions Point 7.2
Wedge-shaped gap between leafs (deviation across length of glass >2mm)	• Leafs incorrectly fitted/set	• Adjust/align leafs	R&P	Assembly instructions Point 7.2
Legend: R&P - retailers and partners EC - end customer				

10 Disposal

Although this product does not contain any materials which pose a risk or danger to the environment, the parts making up the folding door must nevertheless be disposed of properly.

11 Other weinor products

Your dream patio any time of year

No matter what you want to use your patio for, weinor has the right product for you - awnings, patio roofs, Glasoase®, conservatories.
Your weinor partner is an experienced specialist who will gladly provide you with advice on everything from planning to realising your product. They will help you turn your patio dreams into reality and are there whenever you need help or advice,
to give you peace of mind from the very beginning.

1	Awnings
2	Patio roofs
3	Glass oasis
4	Conservatories