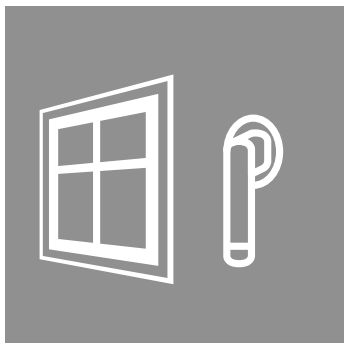




Art. No. 68070_04_EN/08.2025

Aluminium systems

Schüco AWS window with horizontal pivot vent

en

Operating instructions

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1. Notes on these instructions

1.1. Use and retention of the instructions

Before installing and commissioning, read through this manual thoroughly and adhere to the specified sequence of the instructions. Schüco International KG shall not be liable for any damage which arises from a failure to adhere to these instructions.

These instructions are part of the product. Keep them in an accessible place so that the information is always available.

2. Security

2.1. About the safety instructions



KEY WORD

Type / source / consequence of the danger

Pictograms and key words advise of the type of danger and the level of danger:

DANGER		Imminent danger resulting in death or severe injuries.
WARNING		Potential imminent danger which may lead to death or severe injuries.
CAUTION		Potentially dangerous situation which may lead to minor injuries.

2.2. General safety instructions

Follow the safety instructions in this document so as not to endanger your own life or that of others and to ensure error-free operation.



DANGER

- When operating, note that Schüco windows and doors may open and close automatically when left unattended.

For reasons of simplicity, this manual does not contain every detail of all product types and it cannot cover every possible installation, operation or maintenance scenario.

**DANGER**

When using opening units, take note of the hazards listed below.

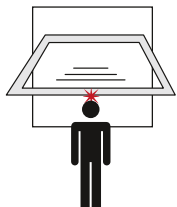
**Danger of falling**

There is a danger of objects falling out when units are open.
Do not leave open units unsupervised.

**Danger of objects falling out when units slam shut****Danger of falling objects**

Open units may slam in a draught which may knock over adjacent objects.
Please close the vent if it is windy or there is a draught.

There is wind or a draught if an open vent opens or closes itself uncontrollably due to a positive or negative wind load.

**Danger of injury from vents swinging open**

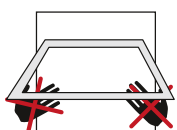
Units can unintentionally swing open when the stays are disengaged.
There is a risk of injury from the vent swinging wide open during opening and closing.

Danger of injury from open vent when they are in the room (vent corners).

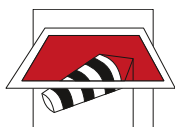
**Danger of injury from open units**

There is a high risk of injury when working underneath open windows.
Shut open vents before working underneath them and before children enter the room.

Danger of injury from open vent when they are in the room (vent corners).

**Danger of crushing**

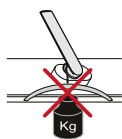
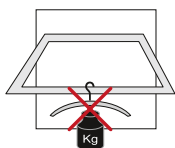
Be careful not to trap fingers between the window unit and the vent frame when the vent, as well as power-operated (automatic) units.

**Risk of injury from wind**

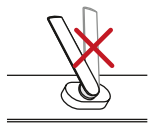
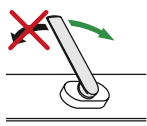
Uncontrolled opening and closing of an open window unit due to increased air movement/wind can damage profiles, fittings, glass and façades – and in the most severe cases even lead to the window vent falling out (may injure humans inside and outside the building).

A combination of increased air movement and incorrect operation such as jamming the window vent (sustained opening + wind loads) is more likely to damage the fittings and thereby increase the risk of personal injury.

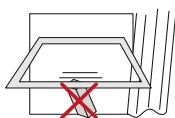
For this reason, close and lock window and window door units in the event of increased air movement/wind. Do not leave open windows unsupervised.

**Do not load extra weight onto the frame or handles.**

The additional load may cause deformation of the unit frame or damage to the handles.

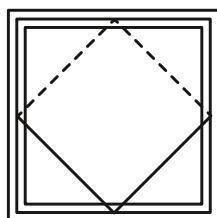
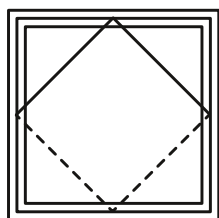
**Operate the handles in the correct direction only and do not force them beyond the anti-turn stop.**

The additional load may cause damage to the handles.

**Do not wedge anything between the vent/leaf and the frame.**

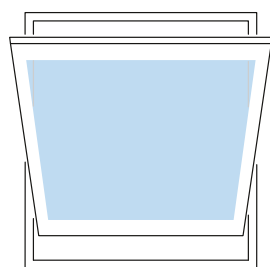
The additional load can cause deformation of the frame.

2.3. Proper use



A horizontal pivot window consists of a unit frame fixed in the building with a moving vent, which can be opened by means of a turning movement.

The horizontal pivot window turns on a horizontal axis of rotation.



The advantage of a horizontal pivot vent is that, when the unit is open, only half of the vent width is in the room.

Proper use also includes adhering to the operating instructions.

Any alternative use or a use beyond this remit is not in accordance with its purpose.

Incorrect use or unauthorised modification of the product may result in death or serious injury, or damage to the product and other material assets.

Only original replacement parts may be used.

The manufacturer / supplier shall not be liable for any damage resulting from infringement.

The user alone bears the risk.

3. Operation

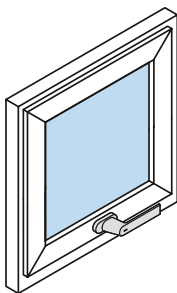
3.1. Open



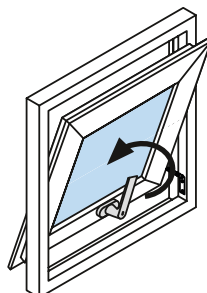
INFORMATION

The maximum opening width is determined by the planning requirements and may assume topics related to security. The setting of the max. opening width therefore cannot be set by the end user.

a.) Closed position



Open position

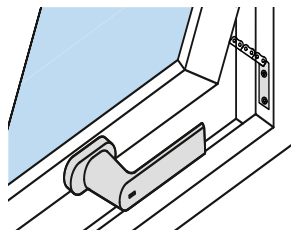
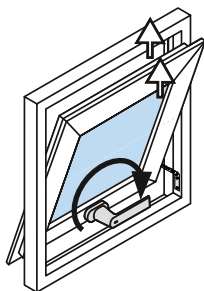


3.2. Ventilation

Ventilation position

Setting the individual ventilation position when vent is open by turning back the handle in the closed position. For ventilation, see section on "Correct ventilation".

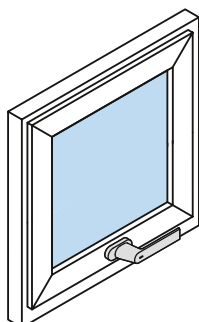
b.) Secured position



Hold open by means of the vent retaining catch

3.3. Close

a.) Closed position



WARNING

The pivots must not be oiled or lubricated, otherwise the vent could swing open and shut in an uncontrolled way.

3.4. Correct ventilation

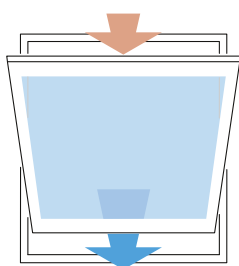
3.4.1. How to prevent damage caused by dampness

The high weathertightness of the Schüco window systems reduces the exchange of air between the inside and outside. Depending on use, high humidity loads could occur. This is caused by evaporation from people and plants and facilities with high humidity levels such as bathrooms and kitchens.

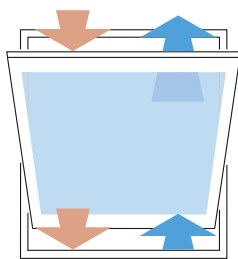
The accumulation of water vapour leads to an increase in humidity and has to be let out to prevent damage caused by damp. The formation of condensation on materials that are not sensitive to water such as aluminium window frames and glass is permissible for a short time and in small quantities (DIN 4108-2). This phenomenon can be countered by sufficient ventilation.

Ventilation in summer / winter

Summer



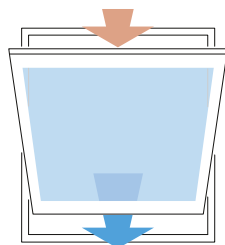
①



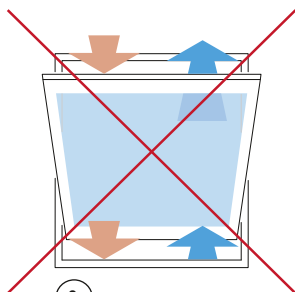
②

- ① Short blast ventilation
- ② Prolonged ventilation only when heating is switched off.

Winter



①



②

- ① Short blast ventilation
- ② Avoid permanent ventilation through tilted windows in winter to prevent the interior becoming too cold.

3.4.2. Blast ventilation

Depending on use, the window should be completely opened several times a day to ensure blast ventilation. As illustrated the perfect ventilation time depends on the time of year and should be in the range of 4–6 minutes in winter.

Blast ventilation ensures maximum protection against moisture damage. This effective exchange of damp air requires little heat energy as the interior barely cools down at all during the short period of ventilation.

The ventilation is even more economical if during ventilation the thermostat valve is turned off during ventilation and back on again after the windows are shut again.

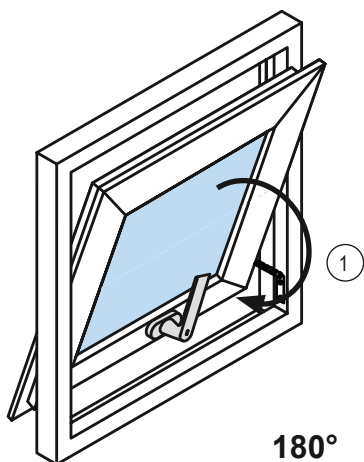
Recommended duration of blast ventilation in the months:

December, January, February	4 - 6 minutes	
March, November	8 - 10 minutes	
April, October	12 - 15 minutes	
May, September	16 - 20 minutes	
June, July, August	25 - 30 minutes	

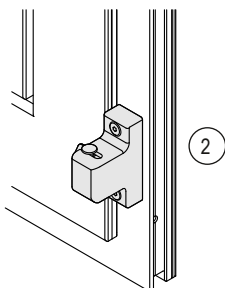
Ventilation time required to exchange the air during blast ventilation (wide open window with no wind) depending on seasonal outside temperature.

4. Maintenance

4.1. Cleaning the vent



1. Firstly, decouple the vent retaining catch (1).
See section 4.1.1 Decoupling the vent retaining catch
2. To clean the glass on the outside, rotate the vent 180°
3. Fix the vent in this cleaning position by means of the security locking point (2)
4. After cleaning, release the security locking point (2), push back the vent and re-couple the vent retaining catch (1)



WARNING

Danger of falling out, as the opening width is no longer restricted when the vent is decoupled.



CAUTION

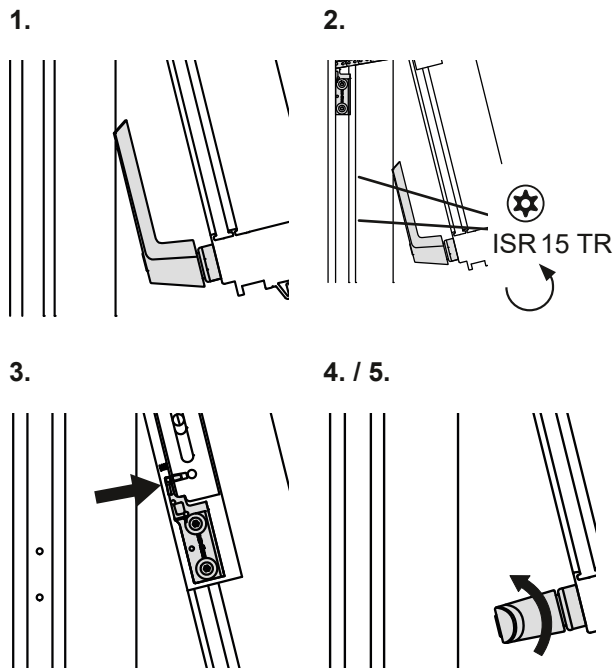
- ▶ The vent must be supported while it is rotated to the 180° position and turned slowly in a controlled manner
- ▶ Supporting the vent will prevent it from swinging open freely
- ▶ Ensure that there are no people or objects within the turning radius



CAUTION

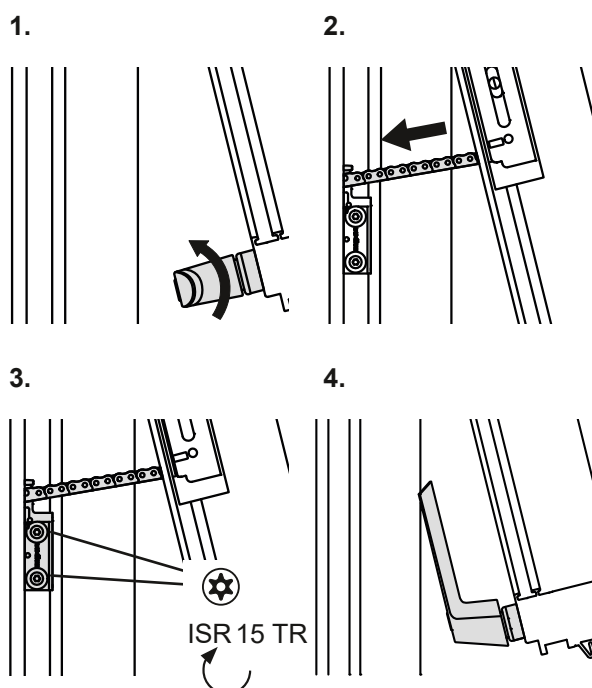
- ▶ If the vent moves too easily, the brake in the window fittings must be adjusted by a qualified technician, so that it cannot fall shut in an uncontrolled way. If the vent moves too easily, the brake in the window fittings must be adjusted by a qualified technician, so that it cannot fall shut in an uncontrolled way.

4.1.1. Decoupling the vent retaining catch (cleaning position)



1. Open the window. Fix the window at a suitably wide opening width. To do this, bring the handle to the close position.
2. Use the screwdriver to loosen the chain connection. Do not loosen the fixing screws of the steel anchor block below.
3. Turn the handle to the unlocked position (turn position) and slide the chain attachment into the chain box.
4. Turn the handle back to the closed position. The chain attachment is secured in the vent retaining catch.
5. The vent can now be rotated by 180° (cleaning position).

4.1.2. Coupling the vent retaining catch



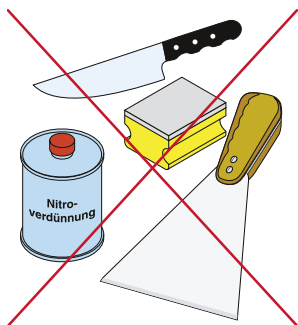
1. Couple in reverse order.
2. Tighten screws hand tight only. If a cordless screwdriver is used for the installation, a suitably low torque must be set.

4.2. Cleaning and maintenance products



NOTE

When cleaning colour-coated units, observe the instructions for use on the cleaning agent.



The following items must NOT be used for cleaning:

- Tools with sharp edges, e.g. knives, metal scrapers, steel wool, the scouring side of household sponges etc., will damage surfaces
- Aggressive cleaning fluids or solvents, e.g. cellulose thinner, nail polish remover etc., will also cause irreversible damage to unit surfaces



Cleaning fluids suitable for aluminium units are available from Schüco specialists.

Aluminium maintenance kit 298 672

- Cleaner and preservative
- Lubricating spray to maintain fittings
- Grease stick to maintain gaskets
- Touch-up sticks

Maintenance products for anodised aluminium units:

Basic cleaner 298 181

Abrasive cleaner and preservative for anodised aluminium. For initial and basic cleaning.

Metal polish 298 010

This cleaner for anodised surfaces restores the matt finish to the aluminium and preserves the surface (can also be used on stainless steel).

Universal aluminium cleaner 298 001

Removes stubborn grime, minor scuff marks and scratches.



4.2.1. General cleaning instructions



For the best window care, clean the window frames and gaskets at the same time as the window panes. Use a mild, non-scouring cleaning agent.

Solid substances

Plaster, mortar or similar is best removed using a wooden or plastic spatula.

Marks

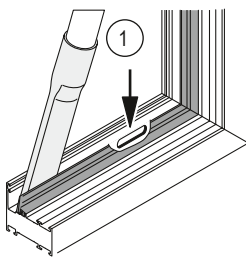
Can be removed safely and without residue using a cleaning agent from our range of cleaning products for aluminium units.



CAUTION

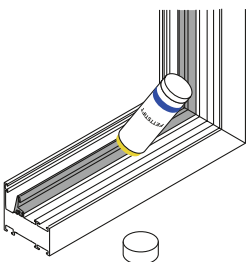
To prevent damage, observe the instructions for use given on the cleaning agent.

4.2.2. Cleaning the drainage slot



- ▶ Remove dust and dirt from the space between the gaskets and the external side of the frame using a vacuum cleaner.
- ▶ Blocked drainage slots (1) can be cleaned using a cocktail stick or cotton bud.

4.2.3. Checking and lubricating gaskets



- ▶ Rub all gaskets with a grease stick or Vaseline. This will maintain suppleness and prevent sticking.
- ▶ At the same time, check all gaskets for damage.



CAUTION

Ask a Schüco specialist to replace any defective gaskets.

4.3. Maintenance

In addition to normal cleaning and maintenance, you should carry out a brief inspection of your aluminium units annually. This will extend the working life of the units and maintain ease-of-use.

Have power-operated windows (e.g. with Schüco TipTronic mechatronic fittings) safety checked at least once a year by a specialist company. Existing safety catches must also be checked. The test must be documented.



CAUTION

The fittings, window, door and facade units require specialist, systematic maintenance / care and inspection to ensure they maintain their value and remain fit for use and safe. Therefore, it is recommended to conclude a corresponding maintenance contract with a specialist window, door and façade company.



WARNING

- Risk of injury due to maintenance work carried out incorrectly. Incorrect maintenance could lead to severe injury or damage to property.

4.3.1. Maintenance contract

If these operating instructions do not answer all your questions, refer to your SCHÜCO specialist for help. In addition to providing expert advice, a specialist dealer can advise you on particular modifications and repairs.

Schüco specialists can offer you the additional service of a maintenance agreement.

Under the terms of the maintenance agreement, the Schüco specialist will undertake all maintenance and repair work. Your aluminium units will be maintained at their optimum functional performance and value without the need for additional resources.



CAUTION

All repairs and modifications should be undertaken by a Schüco specialist.
Only repairs by a specialist using “original parts” ensure the continued correct operation of your Schüco units.

5. Decommissioning and disposal

5.1. Decommissioning

Commission a specialist to remove the units professionally.

5.2. Disposal

Commission a specialist to dispose of the units professionally.



The materials used can be recycled.
Observe the environmental requirements with regard to recycling, re-use and disposal of operating materials and components in accordance with the local, country-specific and international current technical regulations and official regulations.
Make a contribution towards protecting our environment and dispose of the units at a collection point.

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Translation of original instructions

The export, fabrication and assembling of Schüco products within the scope of building projects in the USA are subject to specific regulations (product testing/certification) which must be coordinated with Schüco USA LLLP prior to importing the products into the USA. If you have any questions on this matter, please contact Schüco USA LLLP, e-mail: alutechsupport@schuco-usa.com. Schüco International KG assumes no liability for damages which result from the use / fabrication / assembling of products which have not been approved by Schüco for the US market or which are fabricated and assembled there by contractors who are not sufficiently qualified to work with Schüco products.

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