



KNEER · SÜD
FENSTER

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CUSTOMER MANUAL

Adjustment | Maintenance | Care



Congratulations!

You have chosen windows and doors from Kneer-Südfenster and are now the owner of an individual, quality-guaranteed product.

Kneer-Südfenster manufactures environmentally conscious, technological, innovative and high-quality windows and doors that comply with the guidelines of the RAL Gütegemeinschaft Fenster und Haustüren e.V.

This guide will give you information to ensure that you will enjoy your windows and doors for a long time to come.

Thank you very much for your confidence in the Kneer-Südfenster products.

Your Kneer-Südfenster team.

Highest quality - with strong partners!



RAL Gütegemeinschaft Fenster
und Haustüren e. V.



Sentinel-Haus Institut GmbH



ift Zertifizierungs- und Überwa-
chungsstelle

Mitglied im



Verband Fenster + Fassade

Verband für Fenster + Fassade (VFF)

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Note on product liability

Your windows and doors are equipped with a high quality tilt and turn fitting. Operation is simple and easy, but you should nevertheless read this guide carefully and observe the operating instructions. In your own interests, please also remember the hazard and neglect information!

- Keep these operating and maintenance instructions for all cases and inform other users regarding the content of these instructions.
- Check whether an operating instructions sticker on the windows is required or whether one has been applied.
- So that your windows continue to function for years to come, please observe the care and maintenance instructions!

Instructions for use/maintenance

1. Grease/oil all moving parts and locking parts of the tilt and turn fittings (*grease). Do not use lubricating oils, anti-rust oils, silicone sprays, etc.! Use only lubricating grease, maintenance spray or technical Vaseline!
2. Do not paint over fittings
3. Use only cleaning and maintenance products which do not compromise the corrosion protection on the fitting components!
4. Check safety-related fitting components for wear at regular intervals!



CAUTION:

This manual was drafted exclusively for our professional customers. The adjustment and maintenance work set out below should only be carried out by qualified personnel who are familiar with the trade.
Printing errors, mistakes and amendments excepted.

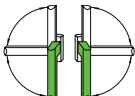

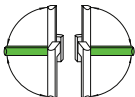

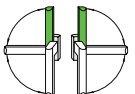

Operation





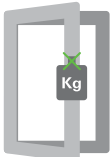
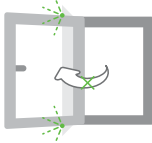
Windows and French doors

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The following symbols and their meanings should always be observed in order to avoid accidents, injuries and property damage.

Handle position	Sash position	Meaning
		Closed window position If the room is left unattended for a long period or no air exchange is desired.
		Turn opening position of the sash Only for short term ventilation (shock ventilation) or for cleaning the panes. Do not leave sash unattended
		Tilt opening position of the sash Position for continuous ventilation of the room

Symbol	Meaning	Symbol	Meaning
	Risk of injury from falling from open windows and French doors. <ul style="list-style-type: none"> Walk carefully near open windows and French doors Keep children and people who are unable to appreciate the risk away from the hazardous area 		Risk of injury from wind action <ul style="list-style-type: none"> Beware of wind actions on the open window. In the event of wind and draughts, close and lock windows and French doors.
	Risk of injury from trapping body parts in the gap between the window and the frame. <ul style="list-style-type: none"> When closing windows and French doors, never reach between the window and the frame Keep children and people who are unable to appreciate the risk away from the hazardous area. 		Risk of injury and property damage from the insertion of obstacles in the gap between the window and the frame <ul style="list-style-type: none"> Refrain from placing obstacles in the gap between the window and the frame.
	Risk of injury and property damage from additional loading of the window <ul style="list-style-type: none"> Refrain from placing additional load on the sash 		Risk of injury and property damage from pressing the window against the opening edge (window jamb) <ul style="list-style-type: none"> Refrain from pressing the window against the opening edge (window jamb).

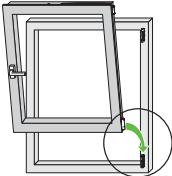

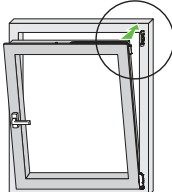
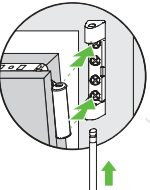
Adjustment Instruction

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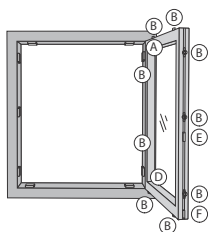
wood- and aluminium-wood windows - exposed hinges

mount window sash

step	sash position	detail
1.		
2.		 <p>insert the shear bearing pin at 0° or 60° opening position</p>

remove the window sash: pictured above in reverse order

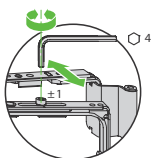
adjustment possibilities



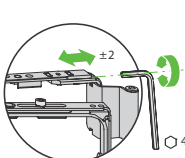
- (A) shears and shear bearings
- (B) fastening area
- (D) corner hinge - angular corner hinge - corner bearing
- (E) bullet catch
- (F) sash lifter

(A) shears and shear bearings

pressure adjustment

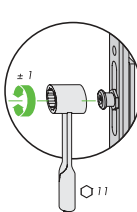


lateral adjustment

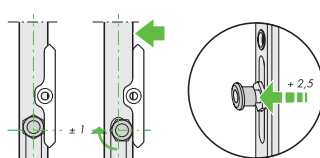


(B) fastening area

pressure adjustment



adjustment



Adjustment Instruction

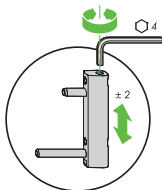
wood- and aluminium-wood windows - exposed hinges

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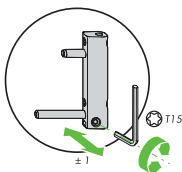
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D angular corner hinge - corner bearing - corner hinge

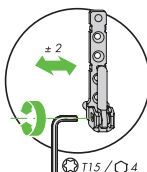
height adjustment,
angular corner hinge



pressure adjustment,
angular corner hinge

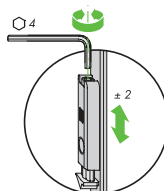


lateral adjustment,
corner bearing



E bullet catch

height adjustment

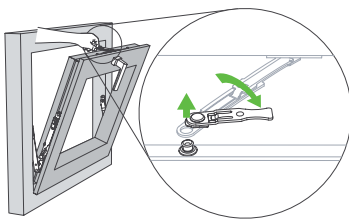


operation latching and cleaning shears

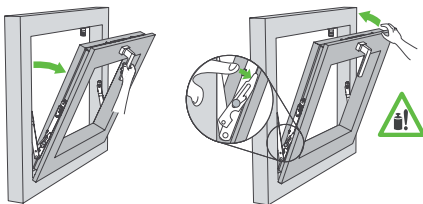
step

operation

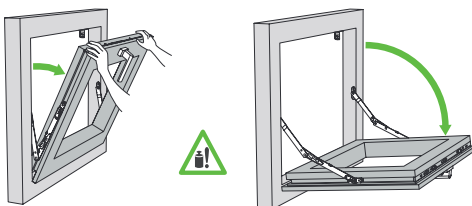
1.



2.



3.



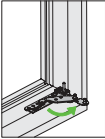
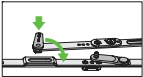
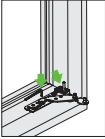
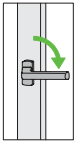
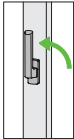
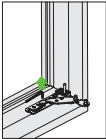
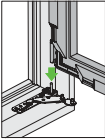
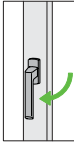
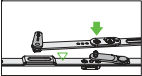
Adjustment Instruction

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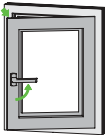
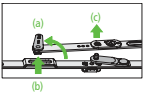
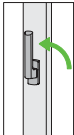
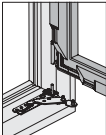
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wood- and aluminium-wood windows - concealed hinges

mount window sash

step	scetch	description	step	scetch	description
1.		open the corner bearing in the frame and, if necessary, remove cover	6.		press the locking plate into the guide of the shear forend and close it
2.		fix the 90° position of the corner bearing with the adjusting spanner	7.		move the handle into turn position
3.		move the handle into tilt position Attention: activate lift mishandling device, if available	8.		remove adjusting spanner at corner bearing and mount cover, if necessary
4.		place the sash at 90° on the corner bearing bolt	9.		close the sash and move the handle into fastening area
5.		place the sash at 90° on the corner bearing bolt			check the window for proper function

remove the window sash

step	scetch	description	step	scetch	description
1.		move the handle into turn position and open the sash	3.		open locking plate of the stay arm (a). lift stay arm out of the guide (a) and from the bolt of the safety arm (b) on the shear forend
2.		move the handle into tilt position Attention: activate lift mishandling device, if available	4.		lift out the sash

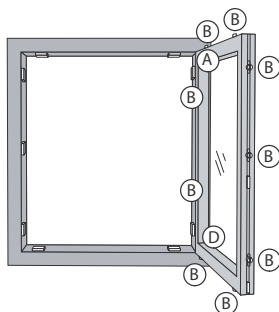
Adjustment Instruction

wood- and aluminium-wood windows - concealed hinges

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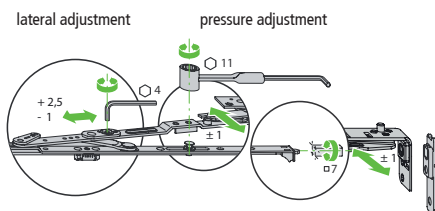
Lived Vision

adjustment possibilities

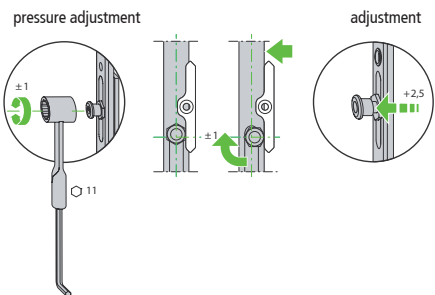


- (A) shears and shear bearings
- (B) fastening area
- (D) corner hinge - angular corner hinge - corner bearing

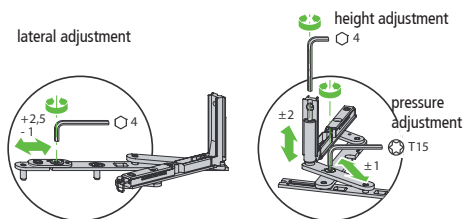
(A) shears and shear bearings



(B) fastening area



(D) corner hinge - angular corner hinge - corner bearing



General tips for looking after your windows and doors

A good window can more than just let in air and light: it is both a design element and an element upon which high technical demands are made. Besides the importance of maintaining the fittings; the surface, the glazing and the sealings should be checked regularly and any damaged areas repaired immediately.

Check the seals often. Never expose them to harsh cleaning agents or paints. Over time soiling may cause a slight „sticking effect.“ Therefore, peripheral seals should be regularly cleared of dust and other debris.

If this effect continues to occur it can be eliminated by applying silicone oil, silicone paste or Vaseline to the seals. These release agents are available as an oil, spray or paste from commercial outlets. If a seal is pulled out of the groove you can press the seal back into the groove with your thumb starting at the part which is still firmly fixed. Be sure to avoid using pointed objects to avoid damaging the seal and/or window surface.

Customer service work for adjusting windows will not be carried out free of charge during the warranty period.

Compliance with the maintenance guidelines and the cleaning and care products in this guide are conditions of the warranty. It is expressly pointed out that all warranty claims are made void in the event of weathering of the window surfaces caused by inadequate care. Mechanical damage such as damage caused by hail, damage to the surface by the use of abrasives or other aggressive agents is also excluded from the warranty. The instructions provided in this guide are based on the best of our current knowledge but are not binding and should be adapted to the application and processing conditions.

Glass breakage:

Any glass breakage is not covered by warranty/guarantee.

How to ventilate?

Regular ventilation of interior rooms prevents high air humidity, and therefore any fungal growth (mould formation) that may occur. This increases the life span of paint, coatings, wallpaper, ceiling and wall cladding, floor coverings, as well as furnishings and curtains.

Ventilate briefly but intensively! For best results, shock ventilation should occur, with a through draught by opening all the windows. Depending on the outside temperature, around 5 minutes should be enough. Excessively long ventilation can lead to unnecessary cooling, and can therefore be uneconomical.

Ventilate the rooms three to four times during the day according to use. During ventilation, the windows should be opened wide, and the heaters should be switched off. After closing the windows, heat again according to use. Keeping the window sashes constantly open – in a tilted position – is not sufficient for successful ventilation, so shock ventilation should be carried out.

Humid ambient air should never be directed into other rooms, but always outside! After closing the windows, the fresh air will warm up again within a few minutes, due to the heat stored in the building.

A steamed up window can be a signal to ventilate, as the air humidity in this room is too high. By ventilating, you are also ensuring a balanced living climate at the same time.

A tip for correct ventilation: In the cold season, you can very easily control the ventilation time yourself: When you open the window, the cold outer pane of the glass will immediately steam up. As soon as this condensation has disappeared, and the surface of the glass is blank, close your window again. During this time, the used air is exchanged (but walls and furniture have not cooled down yet).

The surface coating of your window or your door is produced according to the latest technical guidelines with high-quality paints, powders or decorative foils. It is characterised by a high colour stability and long-lasting surface quality.

Wood

To ensure that you can enjoy your wooden windows and doors for a long time you should:

- Wash the wooden parts once a year with clean water to remove dust, insect dirt and similar contaminants. Such impurities can initiate an attack of green algae and fungi.
- At intervals of at least two years check the surface treatment and repair any dents or blemishes with a quality thick-layer glaze (such as Adler, Remmers, Teknos).
- Treat external wood parts with Kneer Südfenster care products at least once a year
- The seals have to be checked: they must have a firm connection to the wood and the pane and be repaired if necessary. Depending on the weathering, windows that are installed to the west and south are usually the most heavily burdened. UV radiation and other environmental influences (such as hail) can cause damage to the coating that requires careful reworking. Therefore, the maintenance intervals should be shortened, especially with softwood windows (annual check).
- However, depending on the exposure to weathering, repainting should be timely and professional. After an inspection and repair, where necessary all elements on the outside must be treated with care products as described in the operating instructions.
- When painting one has to take care to ensure that seals, fittings and sealings do not become painted over otherwise their function will be impaired.

- For powder-coated parts light soiling is removed in the same way as described for anodised components. After cleaning rinse well with clean water. The surface must be cleaned twice a year as described above to preserve the decorative appearance of the aluminium shell.
- For aluminium-wood products it is especially important that wood surfaces in the interior are not subject to weathering by rain or direct sunlight, so that they only require cleaning with a mild detergent twice per year.

uPVC / aluminium-uPVC

Lightly soiled uPVC window frames can be cleaned with lukewarm water and a dishwashing detergent. The use of abrasives as well as dry cleaning with a duster must be avoided completely.

Heavily soiled uPVC frames can be cared for with little effort using special cleaners.

These cleaners are available from your commercial outlet or directly from Kneer-Südfenster.

All cleaning and polishing agents containing solvents are strictly prohibited. These must not be used, in particular nail polish remover or agents known as „plastic cleaners“.

Please make sure that any metal swarf chips (produced during installation) in the rebate area are removed. These could otherwise cause rust stains. This may also occur due to metallic impurities in the air.

Cleaning must take place twice a year as described above to prevent greying of the profiles due to the aggressive substances in the environment.

Aluminium-wood / Aluminium-uPVC / Aluminium

- After assembling the components, thorough cleaning must be carried out to remove any dirt. Use a clean cloth or sponge.
- Anodised surfaces are cleaned with warm water to which a chlorine-free cleaning agent (e.g. detergent) is added (clean only with a cloth or sponge and water).
- For heavily soiled surfaces we recommend the use of special anodising agents whose cleaning effect is achieved by abrasives.

Aluminium doors / aluminium door panels

To preserve the decorative appearance of the aluminium surface cleaning must be carried out as described above. For heavy soiling we recommend the use of special cleaners that are suitable for powder coated surfaces. After cleaning rinse with clear water.

Seals

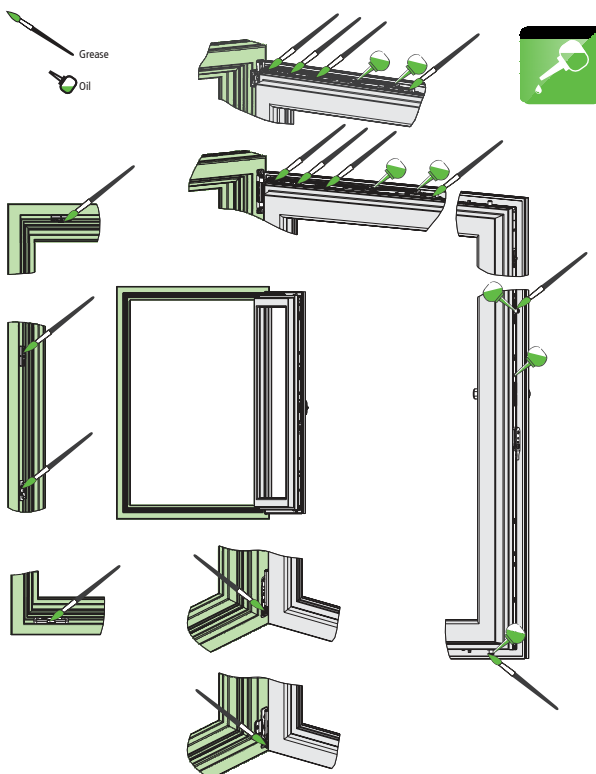
The peripheral seals should also be cleaned regularly of dust and their deposits. If a seal is pulled out of the groove you can press the seal back into the groove with your thumb starting at the part which is still firmly fixed. Avoid the use of pointed objects which can damage the seals.

Maintenance of the fittings

Once a year all moving parts should be treated with a resin- or acid-free lubricant or grease at the points shown in the image. The fittings can be readjusted. Readjustment however, should be carried out by a specialist who can best assess how to proceed.

Glass

In contrast to the old single window panes you can see everything clearly and without distortion through the new insulated panes. This is due to the particularly flat surfaces. Under certain angles of the sun, rainbow colours can be seen due to the refraction of light on the flat and parallel glass panes (interference phenomena). This physical phenomenon is not due to poor quality and is therefore no reason for complaint. Glass is best cleaned with clear warm water and a good window leather. If necessary, a little detergent can be added to the water. Avoid the use of aggressive or solvent-based care products.



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