

# Elitfönster Harmoni 2+1

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## Standard version

### Product family

Elitfönster Harmoni inward opening window and patio doors.

### Product types

Side hung, bottom hung, patio door and fixed frame. Integrated airing position, so-called Kipp-Dreh, is available as optional model. See in addition page 5.

### Material

Wooden frame of laminated and finger-jointed pine with exterior aluminium cladding.

### Surface treatment

Standard colour is white NCS S 0502-Y, gloss value 35 on wood and gloss value 80 for external aluminium cladding. See separate colour guide at elitfonster.se for alternative colour options and surface treatment.

### Glazing execution

Glass in inner sash is secured with adhesive in the corner and fixed in place with glazing bead. Single pane is fully glued in the aluminium outer sash.

### Glass

P-marked sealed glazing unit. Linked products have sealed glazing cassettes with 2-pane type D4-16 with 2 x 4-mm panes, one of which is an energy-efficient pane and 16 mm spacer where the gap is filled with Argon as well as 4 mm float glass in the outer sash. Fixed frame has a sealed glazing cassette with 3-pane T4-16 which has 3 x 4 mm panes, one of which is an energy-efficient pane, one of the air gaps is filled with Argon.

### Handles and fittings

See description under respective product type.

### Dimensions and sizes

Frame depth is 115 mm. Drawings in pdf- and dwg-format as well as size guide are available at elitfonster.se.

### Verified properties

Elitfönster's products undergo tests to meet stringent requirements. Below is a list of the classes we have had verified in tests at RISE.

Airtightness	Class 4
Rain density	Class E1200 (double doors 9A)
Resistance to wind load	Class 4C (double doors 3C)
Mechanical properties	Class 2
Heavy impact	Class 2
Reaction to fire impact	Class C-s1,d0
Manoeuvring forces openable	Class 1
Class based on application	W5 (double doors W3)

**Sizes** are indicated in modules. 1 module (M) = 100 mm.

**The module size** includes 20 mm space for caulking on width and height (i.e. 10 mm all around).

Example: Size 5/10 M entails frame outer width = 480 mm and frame outer height = 980 mm. In other words, the module sizes indicate the minimum size of the recess in the wall.

## Options & accessories

Elitfönster offers a wide range of options which can both change the appearance or add unique features to your window. On pages 9-12 you can read more about glazing bars and mullions, as well as various fittings packages. Further information is available at elitfonster.se about different options.

## Option fire version

The product family is offered in the fire classes EI30, EW30 and E30. Certified by RISE and meets the legal requirement concerning reporting of fire properties in CE-marking for openable units, as well as the requirement for type approval for fixed frames.

## P-marking, certification and warranties

### CE-marking

The product is CE-marked according to SS-EN 14351-1

### P-marked production

Manufactured in a certified P-marked production process, which ensures that the product's quality and performance maintain a high level. Certificate issued by RISE, Research Institutes of Sweden, according to certification rule 133 "Certification of production process for production of construction products (P-marked production)" in relation to reference: "Production of windows made of wood and wood/metal".

### Quality and environmental certification

The manufacturer is certified according to ISO 9001:2015, as well as the environmental management system ISO 14001:2015.

### Warranty (applies in Sweden)

Provided the instructions for storage, installation, care and maintenance are followed, the following warranty is issued for Elitfönster Harmoni 2+1:

- 10 year warranty against condensation between panes in sealed glazing units
- 10 year warranty on the product's function
- 10 year warranty covering rot damage in the product's wooden parts



The inner and outer sash is connected with a white connector fitting. To access between the panes for cleaning, the sashes are parted as illustrated. The sashes are reassembled by pressing them together so that the white connector fitting encloses the edge of the aluminium sash.

# Side hung IKI-AL

Product family	Product type	Model designation
Elitfönster Harmoni	Inward opening side hung, 2+1	IKI-AL

**Openability**

Inward opening side hung.

**Description**

Inward opening window made of wood in aired version with external aluminium cladding fitted in clips and outer sash in aluminium. To fulfil warranties, CE- and P-marking as well as other product-related tests, this product must be installed in a vertical window opening.

**Standard handle**

Hoppe London, natural anodised aluminium. Handle catch KIS12.

**Fittings**

Side hung products are supplied with 2-4 symmetrical bolt hinges per pane depending on the window's height Manufactured of galvanised steel, white hinges are offered as an option.

**Closing fitting**

Espagnolette in nickel-free galvanised steel with two or three self-adjusting security rollers/latches depending on the window's height. Can be reinforced with secure striking plate for increased burglary protection.

**Opening and airing**

As an option, the product is offered with a brake that is operated with the handle, enabling optional airing position. The Kipp-Dreh model is equipped with a dual function fitting where the window is hung on both the side and the bottom edge, enabling airing when the sash is tilted inwards. See further information on page 5.

**Multi-pane and combinations**

The product can be supplied in versions with multi-pane, as well as in combinations with fixed frame.

**Lockable handle and security fittings**

See page 9.

**Dividing sash frames for cleaning between the panes**

The inner and outer sashes are connected with a connector fitting, the sashes are easily divided without tools when cleaning.



Outside



Cross-section

## Technical properties IKI-AL, 1-pane

**U-value**

1.12 W/m<sup>2</sup> °K in **standard version**.

Down to 0.85 is available as an option, see the tables below.

The U-value is indicated for size 1230x1480 mm according to EU

standard. **Sound reduction**

Rw 43dB in **standard version**.

Up to Rw 49dB is available as an option, see the tables below.

Sound value (dB)				U-value (Light transmission Lt-value %/Solar factor G-value %)			
Rw	Rw+C	Rw+Ctr	Rw+Ctr 50-3150				
<b>43</b>	<b>41</b>	<b>37</b>	<b>34</b>	<b>1.12 (75/60)</b>	1.08 (75/60)	0.95 (69/54)	0.93 (69/54)
44	43	39	36	1.12 (74/58)	1.08 (74/58)	0.95 (68/52)	0.93 (68/52)
45	44	41	39	1.12 (72/53)	1.08 (72/53)	0.95 (66/47)	0.93 (66/47)
47	46	43	41	1.11 (73/52)	1.07 (73/52)	0.95 (66/46)	0.93 (66/46)
49	48	45	44	1.11 (73/52)	1.07 (73/52)	0.92 (66/46)	0.90 (66/46)

**Bold = standard**

## Technical properties IKI-AL ECO, 1-pane

Sound value (dB)				U-value (Light transmission Lt-value % /Solar factor G-value %)
Rw	Rw+C	Rw+Ctr	Rw+Ctr 50-3150	
40	38	33	31	0.85 (69/55)
43	42	38	35	0.85 (66/47)
48	46	44	41	0.85 (65/47)

The values indicated in the tables concern windows in standard version or with the glass combination required to achieve respective sound- U- LT- and G-value. Certain options and accessories such as glass, fittings, valves etc. may mean that we cannot guarantee the sound level.

# Bottom hung IKIU-AL

Product family	Product type	Model designation
Elitfönster Harmoni	Inward opening bottom hung, 2+1	IKIU-AL

**Openability**

Inward opening bottom hung.

**Description**

Inward opening window made of wood in aired version with external aluminium cladding fitted in clips and outer sash in aluminium. To fulfil warranties, CE- and P-marking as well as other product-related tests, this product must be installed in a vertical window opening.

**Standard handle**

Hoppe London, natural anodised aluminium. Handle catch KISI2.

**Fittings**

Bottom hung products are supplied with 2-5 symmetrical bolt hinges per pane depending on the window's width. Manufactured of galvanised steel, white hinges are offered as an option.

**Closing fitting**

Espagnolette in nickel-free galvanised steel with 1-4 self-adjusting security rollers/latches depending on the window's width. Can be reinforced with secure striking plate for increased burglary protection.

**Opening and airing**

The product has built-in airing position in the fitting.

**Multi-pane and combinations**

The product can be supplied in versions with multi-pane, as well as in combinations with fixed frames and openable units.

**Lockable handle and security fitting**

See page 9.

**Dividing sash frames for cleaning between the panes**

The inner and outer sashes are connected with a connector fitting, the sashes are easily divided without tools when cleaning.



Outside



Inside

## Technical properties IKIU-AL, 1-pane

**U-value**

1.12 W/m<sup>2</sup> °K in **standard version**.

Down to 0.85 is available as an option, see the tables below.

The U-value is indicated for size 1230x1480 mm according to EU

standard. **Sound reduction**

Rw 43dB in **standard version**.

Up to Rw 49dB is available as an option, see the tables below.

Sound value (dB)				U-value (Light transmission Lt-value %/Solar factor G-value %)			
Rw	Rw+C	Rw+Ctr	Rw+Ctr 50-3150				
<b>43</b>	<b>41</b>	<b>37</b>	<b>34</b>	<b>1.12 (75/60)</b>	1.08 (75/60)	0.95 (69/54)	0.93 (69/54)
44	43	39	36	1.12 (74/58)	1.08 (74/58)	0.95 (68/52)	0.93 (68/52)
45	44	41	39	1.12 (72/53)	1.08 (72/53)	0.95 (66/47)	0.93 (66/47)
47	46	43	41	1.11 (73/52)	1.07 (73/52)	0.95 (66/46)	0.93 (66/46)
49	48	45	44	1.11 (73/52)	1.07 (73/52)	0.92 (66/46)	0.90 (66/46)

**Bold = standard**

## Technical properties IKIU-AL ECO, 1-pane

Sound value (dB)				U-value (Light transmission Lt-value % /Solar factor G-value %)
Rw	Rw+C	Rw+Ctr	Rw+Ctr 50-3150	
40	38	33	31	0.85 (69/55)
43	42	38	35	0.85 (66/47)
48	46	44	41	0.85 (65/47)

The values indicated in the tables concern windows in standard version or with the glass combination required to achieve respective sound- U- LT- and G-value. Certain options and accessories such as glass, fittings, valves etc. may mean that we cannot guarantee the sound level.

# Patio door IKID-AL

Product family	Product type	Model designation
Elitfönster Harmoni	Inward opening patio door, 2+1	IKID-AL, IKID2-AL

**Openability**

Inward opening side hung.

**Description**

Inward opening patio door made of wood in aired version with external aluminium cladding fitted in clips and outer sash in aluminium. To fulfil warranties, CE- and P-marking as well as other product-related tests, this product must be installed in a vertical window opening.

**Standard handle**

Hoppe London, natural anodised aluminium. Handle catch KISI2.

**Fittings**

The patio door is supplied with 4 symmetrical hinges per pane. Manufactured of galvanised steel, white hinges are offered as an option.

**Closing fitting**

Espagnolette in nickel-free galvanised steel with 4-5 self-adjusting security rollers/latches depending on the window's height. Can be reinforced with secure striking plate for increased burglary protection.

**Opening and airing**

As an option, the product is offered with a brake that is operated with the handle, enabling optional airing position. The Kipp-Dreh model is equipped with a dual function fitting where the patio door is hung both on the side and the bottom edge, enabling airing when the door leaf is tilted inwards. See further information on page 5.

**Multi-pane and combinations**

The product can be supplied as single door or double doors, as well as in combinations with fixed frame in the form of top light. See elitfonster.se for more information.

**Lockable handle and security fittings**



See page 10.

**Threshold**

The threshold is painted in the same colour as the rest of the frame's internal colours, glazed alternative is available as an option. Height 74 mm in standard version, lower alternative (48 mm) is available as an option.

**Dividing door leaves for cleaning between the panes**

The inner and outer door leaves are connected with a connector fitting, the sashes are easily divided without tools when cleaning.

## Technical properties IKID-AL, fully glazed single door (also manufactured as double door)

**U-value**

1.12 W/m<sup>2</sup> °K in **standard version**.

Down to 0.85 is available as an option, see the tables below.

The U-value is indicated for size 1230x1480 mm according to EU standard.

**Sound reduction**

Rw 43dB in **standard version**.

Up to Rw 49dB is available as an option, see the tables below.

Rw	Sound value (dB)			Rw+Ctr 50-3150	U-value (Light transmission Lt-value %/Solar factor G-value %)			
	Rw+C	Rw+Ctr	Rw+Ctr					
<b>43</b>	<b>41</b>	<b>37</b>	<b>34</b>	<b>1.12 (75/60)</b>	1.08 (75/60)	0.95 (69/54)	0.93 (69/54)	
44	43	39	36	1.12 (74/58)	1.08 (74/58)	0.95 (68/52)	0.93 (68/52)	
45	44	41	39	1.12 (72/53)	1.08 (72/53)	0.95 (66/47)	0.93 (66/47)	
47	46	43	41	1.11 (73/52)	1.07 (73/52)	0.95 (66/46)	0.93 (66/46)	
49	48	45	44	1.11 (73/52)	1.07 (73/52)	0.92 (66/46)	0.90 (66/46)	

**Bold = standard**

**IKID-AL is also offered with sealed filling at the bottom in two sound levels:**

Standard filling with sound value Rw 37dB / Rw+C 34dB / Rw+Ctr 28dB

Sound filling with sound value Rw 44dB / Rw+C 40dB / Rw+Ctr 33dB

## Technical properties IKID-AL ECO, fully glazed single door

Rw	Sound value (dB)			Rw+Ctr 50-3150	U-value (Light transmission Lt-value % /Solar factor G-value %)
	Rw+C	Rw+Ctr	Rw+Ctr		
40	38	33	31	0.85 (69/55)	
43	42	38	35	0.85 (66/47)	
48	46	44	41	0.85 (65/47)	

The values indicated in the tables concern windows in standard version or with the glass combination required to achieve respective sound- U- LT- and G-value. Certain options and accessories such as glass, fittings, valves etc. may mean that we cannot guarantee the sound level.

# Kipp-Dreh

Product family	Product type	Model designation
Elitfönster Harmoni	Inward opening Kipp- Dreh window 2+1	IKI-AL Kd
	Inward opening Kipp- Dreh patio door 2+1	IKID-AL Kd

### Openability

Inward opening Kipp-dreh.

### Description

Inward opening window or patio door made of wood in aired version with external aluminium cladding fitted in clips and outer sash in aluminium. To fulfil warranties, CE- and P-marking as well as other product-related tests, this product must be installed in a vertical window opening.

### Standard handle

Hoppe London, natural anodised aluminium. Handle catch KISI2.

### Fittings

To enable two modes of opening, the white fitting is placed around the entire sash frame, but is only visible on one side of the frame, a fully concealed fitting is offered as an option.

### Closing fitting

Espagnolette in nickel-free galvanised steel with 2–10 self-adjusting security rollers/latches, the number depends on the product's size and are placed around the entire sash. Can be reinforced with secure striking plate for increased burglary protection.

### Opening and airing

The model is equipped with a dual function fitting. Turning the handle to horizontal position produces the airing mode (Kipp). Turning the handle to vertical position provides side hung opening function (Dreh).

### Multi-pane and combinations

The product can be supplied in versions with multi-pane, as well as in combinations with fixed frame.

Mode of opening – airing position and side hung respectively



Airing position (Kipp)

Open position (Dreh)

### Lockable handle and security fittings

See page 9–10.

### Dividing door leaves for cleaning between the panes

The inner and outer door leaves are connected with a connector fitting, the sashes are easily divided without tools when cleaning.

## Technical properties IKI-AL Kd 1-pane and IKID-AL Kd fully glazed single door

### U-value

1.12 W/m<sup>2</sup> °K in **standard version**.

Down to 0.85 is available as an option, see the tables below.

The U-value is indicated for size 1230x1480 mm according to EU standard.

### Sound reduction

Rw 43dB in **standard version**.

Up to Rw 49dB is available as an option, see the tables below.

Sound value (dB)				U-value (Light transmission Lt-value %/Solar factor G-value %)			
Rw	Rw+C	Rw+Ctr	Rw+Ctr 50-3150				
<b>43</b>	<b>41</b>	<b>37</b>	<b>34</b>	<b>1.12 (75/60)</b>	1.08 (75/60)	0.95 (69/54)	0.93 (69/54)
44	43	39	36	1.12 (74/58)	1.08 (74/58)	0.95 (68/52)	0.93 (68/52)
45	44	41	39	1.12 (72/53)	1.08 (72/53)	0.95 (66/47)	0.93 (66/47)
47	46	43	41	1.11 (73/52)	1.07 (73/52)	0.95 (66/46)	0.93 (66/46)
49	48	45	44	1.11 (73/52)	1.07 (73/52)	0.92 (66/46)	0.90 (66/46)

**Bold = standard**

### IKID-AL Kd is also offered with sealed filling at the bottom in two sound levels:

Standard filling with sound value Rw 37dB / Rw+C 34dB / Rw+Ctr 28dB

Sound filling with sound value Rw 44dB / Rw+C 40dB / Rw+Ctr 33dB

## Technical properties IKID-AL Kd ECO, fully glazed single door

Sound value (dB)				U-value (Light transmission Lt-value % /Solar factor G-value %)
Rw	Rw+C	Rw+Ctr	Rw+Ctr 50-3150	
40	38	33	31	0.85 (69/55)
43	42	38	35	0.85 (66/47)
48	46	44	41	0.85 (65/47)

The values indicated in the tables concern windows in standard version or with the glass combination required to achieve respective sound- U- LT- and G-value. Certain options and accessories such as glass, fittings, valves etc. may mean that we cannot guarantee the sound level.

# Fixed frame EFL-AL

Product family	Product type	Model designation
Elitfönster Harmoni	Fixed frame, 3-pane adapted for inward opening	EFL-AL

**Openability**  
Non-openable.

**Description**  
Fixed frame made of wood in aired version with external aluminium cladding fitted in clips. To fulfil warranties, CE- and P-marking as well as other product-related tests, this product must be installed in a vertical window opening.

**Combinations**  
The product can be supplied in a version as a part of a combination with openable units See elitfonster.se for further information.



Inside



Cross-section

## Technical properties EFL-AL, 1-pane

**U-value**  
1.20 W/m<sup>2</sup> °K in **standard version**.  
Down to 0.84 is available as an option, see the table below.  
The U-value is indicated for size 1230x1480 mm according to EU standard.

**Sound reduction**  
Rw 33dB in **standard version**.  
Up to Rw 46dB is available as an option, see the table below.

Sound value (dB)				U-value (Light transmission Lt-value %/Solar factor G-value %)			
Rw	Rw+C	Rw+Ctr	Rw+Ctr 50-3150				
<b>33</b>	<b>31</b>	<b>27</b>	<b>27</b>	<b>1,20 (75/60)</b>	1,08 (75/60)	0,99 (74/53)	0,87 (74/53)
37	35	31	31	1,20 (74/58)	1,09 (74/58)	0,96 (74/51)	0,84 (74/51)
38	36	32	32	1,19 (74/55)	1,07 (74/55)	0,96 (73/51)	0,84 (73/51)
42	40	35	35	1,19 (73/58)	1,07 (73/58)	0,98 (73/49)	0,86 (73/49)
43	41	36	36	1,24 (73/55)	1,12 (73/55)	1,03 (72/51)	0,91 (72/51)
46	44	39	39	1,24 (73/55)	1,12 (73/55)	1,03 (72/51)	0,91 (72/51)

**Bold = standard**

The values indicated concern windows in standard version or with the glass combination required to achieve respective sound- U- LT- and G-value. Certain options and accessories such as glass, fittings, valves etc. may mean that we cannot guarantee the sound level.

# Patio door outward opening IKUD-AL

Product family	Product type	Model designation
Elitfönster Harmoni	Outward opening patio door, 2+1	IKUD-AL

## Openability

Outward opening side hung.

## Description

Outward opening patio door made of wood in aired version with external aluminium cladding fitted in clips and outer sash in aluminium. To fulfil warranties, CE- and P-marking as well as other product-related tests, this product must be installed in a vertical window opening.

## Standard handle

Hoppe London, natural anodised aluminium. Handle catch KIS12.

## Fittings

Three lift-off hinges in galvanised and powder-coated steel. White hinges for doors with aluminium cladding in colour NCS S 0502-Y, silver for other colours. The hinge is equipped with security pins and is vertically adjustable. The option of weathering hinges in corrosion class 5 is recommended in coastal and lakeside areas.

## Closing fittings

Supplied with wedge bolts in nickel-free galvanised steel, hook bolt espagnolette as option. Double doors are supplied with flush bolt in passive door leaf, double espagnolettes are offered as an option.

## Opening and airing

Door brake that is operated with the handle, enabling optional airing position.

## Multi-pane and combinations

The product can be supplied as single door or double doors, as well as in combinations with fixed frame in the form of top light. See elitfonster.se for more information.

## Threshold

The threshold is painted in the same colour as the rest of the frame's internal colours, glazed alternative is available as an option. Height 42 mm in standard version, low aluminium threshold (25 mm) is available as an option.

## Lockable handle and security fittings

See page 10.

## Dividing door leaves for cleaning between the panes

The inner and outer sashes are connected with a connector fitting, the sashes are easily divided without tools when cleaning.



Inside



Outside



Outside

# Patio door outward opening IKUD-AL

&gt;&gt; cont.

## Technical properties IKUD-AL, fully glazed single door (also manufactured as double door)

### U-value

1.08 W/m<sup>2</sup> °K in **standard version**.

Down to 0.89 is available as an option, see the table below.

The U-value is indicated for size 880x2180 mm according to EU standard.

### Sound reduction

Rw 38dB in **standard version**.

Up to Rw 46dB is available as an option, see the table below.

Sound value (dB)			U-value (Lt-value %/G-value %)			
Rw	Rw+C	Rw+Ctr				
<b>38</b>	<b>36</b>	<b>31</b>	<b>1.08 (75/60)</b>	1.04 (75/60)	0.94 (69/54)	0.91 (69/54)
39	37	32	1.08 (74/56)	1.04 (74/56)	–	–
40	37	32	1.08 (74/56)	1.04 (74/56)	0.93 (68/52)	0.89 (68/52)
41	39	33	1.07 (74/53)	1.03 (74/53)	–	–
42	39	34	1.08 (74/56)	1.04 (74/56)	0.93 (68/52)	0.89 (68/52)
43	40	35	1.07 (73/52)	1.03 (73/52)	0.93 (66/46)	0.89 (66/46)
44	41	35	1.07 (73/52)	1.03 (73/52)	–	–
44	42	37	1.07 (73/52)	1.03 (73/52)	0.93 (66/46)	0.89 (66/46)
44	42	38	1.07 (73/52)	1.03 (73/52)	0.93 (66/46)	0.89 (66/46)
45	43	38	1.07 (73/52)	1.03 (73/52)	0.93 (66/46)	0.89 (66/46)
46	44	39	1.07 (73/52)	1.03 (73/52)	0.93 (66/46)	0.89 (66/46)

**Bold = standard**

### IKUD-AL is also offered with sealed filling at the bottom in two sound levels:

Standard filling with sound value Rw 31 dB / Rw+C 29 dB / Rw+Ctr 25 dB

Sound filling with sound value Rw 42 dB / Rw+C 39 dB / Rw+Ctr 33dB

The values indicated concern windows in standard version or with the glass combination required to achieve respective sound- U- LT- and G-value. Certain options and accessories such as glass, fittings, valves etc. may mean that we cannot guarantee the sound level.



# Fittings pack window



## Fittings pack 8 and 30

Handle London

Aluminium (silver)  
Installation kit standard handle/child safety lock.

Includes: Internal handle with cylinder.  
Key.  
Cover plate.

*BPK 8 (TBT)\* fits KippDreh.  
BPK 30 fits all other products.*

*\* With the TBT-handle locked, the window can still be opened to airing position (Kipp), but not opened to side hung position (Dreh). To access side hung position, the key must be turned to unlocked position.*



## Fittings pack 9

White version  
Child protection airing fitting for window.

Includes: ASSA 93, screws.

*Fits all inward opening products.*



## Fittings pack 22

White version  
Child protection catch arrangement, ASSA 184.

Includes: Plastic coated wire.  
4 x screws.  
Fitting.

*Fits all products.*



## Fittings pack 33

Handle ASSA Vinga 7312

Matt chrome version

Includes: Internal handle  
Pressure cylinder 7310  
2 x screws

Meets the requirements according to SS 3620, class B.

# Fittings pack patio door



## Fittings pack 1

Handle London

Installation kit internal handle with turn knob.

Includes: Handle Hoppe 013LV or H.  
3 x screws.

Only fits IKUD-AL.



## Fittings pack 2

Handle London

Installation kit for external handle and internal handle with turn knob.

Includes: Handle external Hoppe 113L straight.  
Handle internal Hoppe 013LV or H.  
Handle connector Fix 833.  
3 x screws + 2 x screw receivers.

Only fits IKUD-AL.



## Fittings pack 4

Handle London

Aluminium (silver)  
Installation kit for internal handle prepared for lock cylinder.  
Cylinder not included.  
With lock cylinder and one way screw installed, the requirements according to SS 3620, class B are met.

Includes: Internal handle V or H.  
3 x screws.

Only fits IKUD-AL.  
Suitable cylinder ASSA 1209 or ASSA 1309 with long carrier.



## Fittings pack 5

Handle London

Installation kit for external handle and internal handle with turn knob.

Includes: Handle external Hoppe 113L straight.  
Handle internal Hoppe 013LV or H.  
Handle connector Fix 833.  
3 x screws + 2 x screw receivers.

Only fits IKUD-AL.  
Suitable cylinder ASSA 1209 or ASSA 1309 with long carrier.



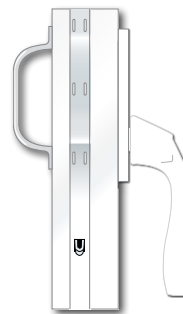
## Fittings pack 8 and 30

Handle London

Aluminium (silver)  
Installation kit standard handle/child safety lock.

Includes: Internal handle with cylinder.  
Key.  
Cover plate.

BPK 8 (TBT)\* fits KippDreh.  
BPK 30 fits all other products.



## Fittings pack 12

Galvanised  
External pull handle.

Includes: External pull handle.  
2 x pop rivets.

Only fits IKUD-AL.

\* With the TBT-handle locked, the window can still be opened to airing position (Kipp), but not opened to side hung position (Dreh). To access side hung position, the key must be turned to unlocked position.



## Fittings pack 21

Handle London

Aluminium.  
Installation kit internal handle with cylinder.  
Cylinder not included.

Includes: Internal straight handle, version.  
Hoppe Pure (aluminium silver).  
2 x one way screws.  
2 x cylinder screws.

Fits all inward opening products.



## Fittings pack 22

White version  
Child protection catch arrangement, ASSA 184.

Includes: Plastic coated wire.  
4 x screws.  
Fitting.

Fits all products.

# Fittings pack patio door

>> cont.

**Fittings pack 31**

Handle London

Aluminium (silver)

Installation kit safety handle/child safety lock,  
KISI2.

Includes: Internal handle with cylinder.

Key.

Cover plate.

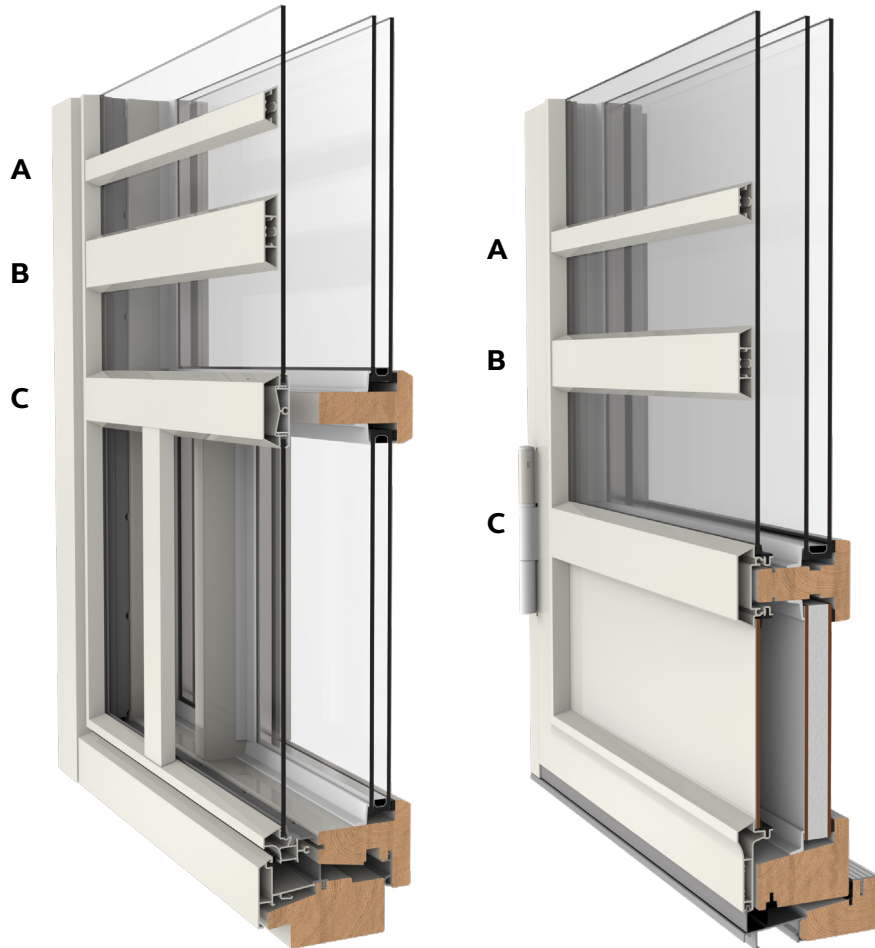
KISI2, child safety lock.

*Fits IKUD-AL.*

# Bars and mullions

	2+1 inward opening	2+1 outward opening
<b>Narrow bar (A)</b>	External type detachable. Dimension 30 mm.	External type detachable. Dimension 30 mm.
<b>Wide bar (B)</b>	External type detachable. Dimension 55 mm.	External type detachable. Dimension 55 mm.
<b>Mullions that divide the panes (C)</b>	Horizontal. Pane divider type. Dimension 55 mm. Vertical. Pane divider type internally and externally detachable. Dimension 55 mm.	Horizontal. Pane divider type. Dimension 63 mm.

The dimensions indicated in the table refer to width of bar or mullion.



*We are not responsible for errors and retain the right to make changes.*