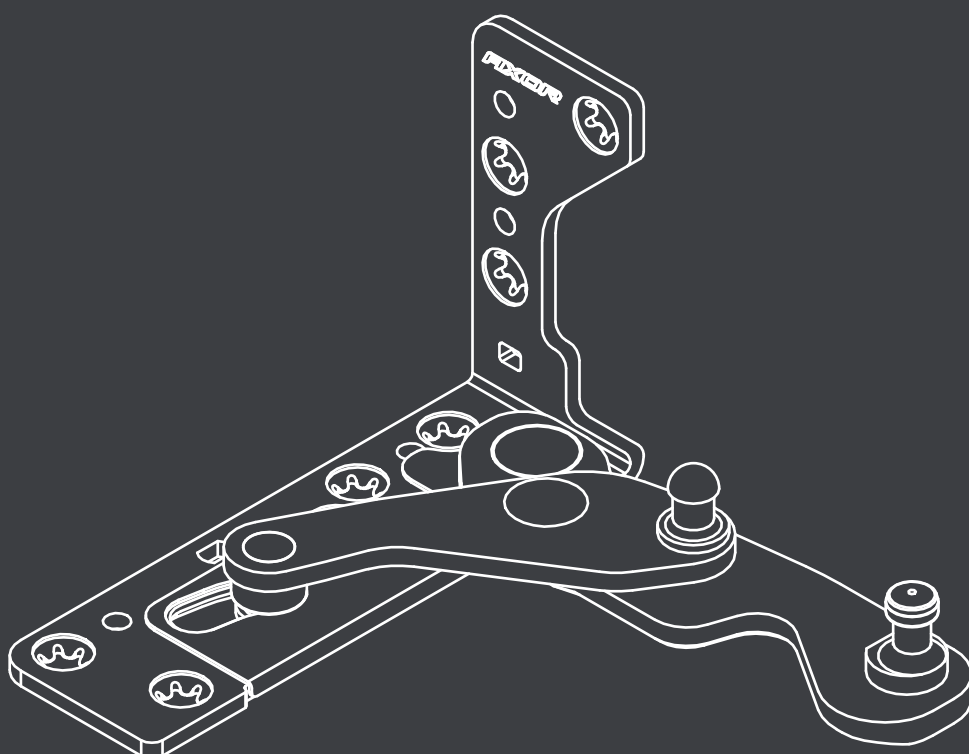
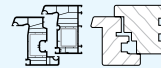


# ELITE +

Concealed hinges system for PVC and  
timber profiles based on **KOMFORT LINE K-3**





|   |                                    |
|---|------------------------------------|
|   | Introduction                       |
|   |                                    |
| 1 | Concealed hinges system            |
|   |                                    |
| 2 | Concealed stay arm system          |
|   |                                    |
| 3 | Additional elements                |
|   |                                    |
| 4 | Hardware overviews                 |
|   |                                    |
| 5 | Tools / Installation / Adjustments |
|   |                                    |
| 6 | Profile-dependent elements         |
|   |                                    |

## Concealed hinges system ELITE+

### Introduction

### Concealed hinges system ELITE+

The constructive of fully concealed hinges system is different from traditional one. Mechanical elements of hinges are completely hidden and integrated into the clearance (the distance between a frame and window's sash rebate). Visually, they are invisible, both indoors and from the street. Such constructive has a few advantages: modern window design and additional functionality of a window structure.

This catalog presents variants of fully concealed hinges' completing with window hardware Komfort Line K-3 system for aluminum, timber and PVC windows. What allows producing translucent structures with different levels of resistance to burglary. This is achieved through the use of mushroom shaped cams in combination with the required number of security locking plates with which the final product is equipped.

### ELITE+ Benefits



#### Original design

Only a window - and nothing more! Concealed hinges make it possible to create unique window design and combine it harmoniously with an interior. The absence of visible elements allows you choosing the color of window's lamination without reference to the shade of decorative covers. Windows with concealed hinges are particularly relevant when creating original and elegant interiors, as well as the reconstruction of historical objects.



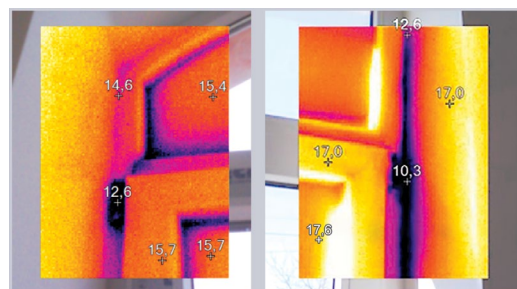
#### Improved thermal insulation

Through the use of concealed hinges it is providing additional gasket pressure sashes to a frame and bigger air-tightness of a structure. In addition, concealed hinges do not interrupt the contour of window seal, therefore blowing / frosting in area of hinges are excluded.



#### Increased burglary resistance

Concealed hinges are not visible from outside, so an intruder is extremely difficult to reach mechanism in hinges area. Together with other anti-burglar elements of a window, hidden hinges are able to protect a house from uninvited guests, including the anti-burglar class RC2.



#### Compatible with any window jamb

Due to the construct of concealed hinges, when a window is opened, a sash is moving to the center. This simplifies requirements of window jambs' location.



#### Convenient opening width

Concealed hinges make it possible to open a window's sash up to 100 degrees. Taking into account, features of various window designs and individual needs in operation of a window, it is possible to install an opening limiter. This will limit the turning of a sash at a certain angle and prevent its strikes against of a window jamb.

## The quality of elements' plating

### Introduction

#### Protective plating of KOMFORT LINE K-3

The quality of window hardware's plating parts has a great influence on its work, life and appearance.

Special technology of galvanic zinc plating allows obtaining high-quality coating that provides details of the hardware KOMFORT LINE K-3 required level of corrosion protection.

At the same time, the silver color of window hardware's surface performs decorative function, allowing it to combine successfully with rest window's elements.



#### Causes of corrosion on the hardware

- 1) Prolonged exposure of high humidity (more than 70%).
- 2) Air polluted with industrial gases, containing compounds of various acids and exposure of salt mists.
- 3) Mechanical damages of the surface during installation or maintenance, violating integrity of the plating.
- 4) Detergents containing alkalis, acids, etc.
- 5) Frequent formation of condensation on the window hardware due to sudden temperature fluctuations.
- 6) Contamination with building materials, in particular with cement or gypsum plaster.

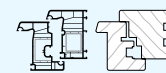
#### Guidelines for saving surface plating quality

- 1) Avoid contact with the building materials (plaster, cement, various mortars and construction dust).
- 2) Avoid exposure to the window hardware aggressive acid - containing vapors, and exposure of salt mist
- 3) Do not use seals that can absorb and retain moisture.
- 4) Clean the window hardware only with neutral pH products in diluted form.
- 5) Avoid mechanical damage to the surface with construction, installation and cleaning tools.

#### Hardware storage conditions

Rules apply to storage, transportation, unloading and loading. In the forced transportation under the open sky (e.g. production site) during precipitation use tape or similar protection from humidity and dampness. Storage is allowed only in specially enclosed spaces, not outdoors. To avoid condensation during transportation and storage.

- 1) Always keep the packaging closed. Always close (cover) the packages that were opened and do not to put them directly on the floor.
- 2) Transportation is only for vehicles intended for this purpose (if it is possible, on pallets with stretch tape).
- 3) Hardware mustn't be wet. Packaging must remain dry. (Recommended: Temperature in a warehouse - 15-25°C; Relative humidity - less than 50%).
- 4) In the case of wet packaging, remove parts from it, dry them and check for corrosion. Pack suitable parts in dry condition.



## Basic designations and presentation of information

Introduction

### Basic designations

|  |                                  |  |                                       |
|--|----------------------------------|--|---------------------------------------|
|  | maximum sash weight in kg        |  | cylindrical locking pin               |
|  | screws (quantity / size)         |  | burglar retardant locking pin         |
|  | thread forming screws (quantity) |  | burglar retardant locking pin FL-AX   |
|  | norm of packing (pieces)         |  | locking plate for double sash profile |
|  | drill bit (diameter)             |  |                                       |



tilt and turn sash



double sash window with main tilt and turn sash



single turn sash



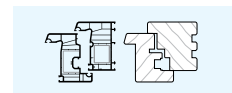
single tilt sash

### Presentation of information

All part number codes in the catalog are presented in alphanumeric form. Decoding part numbers can be found on pages 5-6. The dimensions shown in the catalog are nominal and contain general tolerances.

All sizes are in mm.

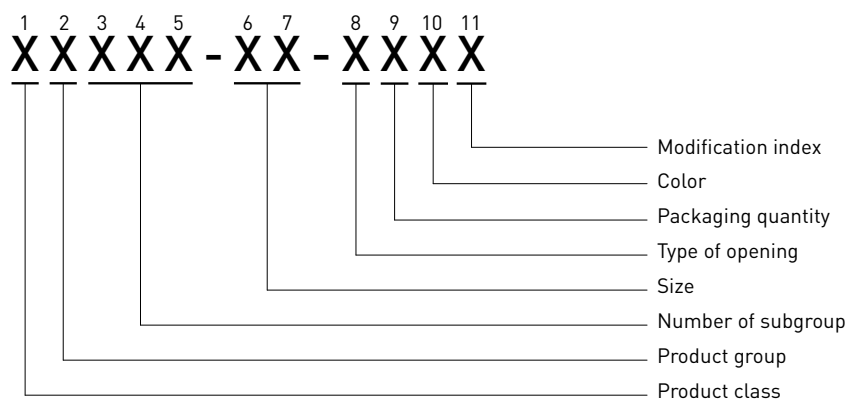
Information about sash's dimensions limitations should be taken from catalog's diagrams or installation manual.



## Structure of a part number code

Introduction

### Structure of a part number code



#### 1. Product class (1st sign)

**X**XXXX-XX-XXXX

"S" – smart line

"K" – komfort line

"A" – element refers to both classes

#### 2. Product group (2nd sign)

X**X**XXX-XX-XXXX

"0" – alternative value

"1" – gear variable

"2" – corner transmissions

"3" – stay arm

"4" – extensions

"5" – hinges

"6" – standart locking plates,  
tilt locking plates

"7" – locking plates and the other  
accessories

"8" – alternative value

"9" – alternative value

#### 3-5. Subgroup number (3rd, 4th, 5th sign)

Xx**XXX**-XX-XXXX

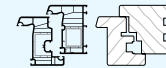
Additional information about product's subgroup.

Example: group "gears", subgroup "double sash lever espagnolette variable".

#### 6-7. Size (6th, 7th sign)

XXXXX-**XX**-XXXX

Important dimensions of the product such as the length of the axis, etc.



## Structure of a part number code

Introduction

### 8. Type of opening (8th sign)

XXXXX-XX-**X**XXX

"N" – universal

"R" – right

"L" – left

### 9. Packaging quantity (9th sign)

XXXXX-XX-X**X**XX

"O" – standard quantity

"B" – 1 pcs.

"C" – 2 pcs.

"D" – 5 pcs.

"E" – 10 pcs.

"F" – 20 pcs.

"G" – 25 pcs.

"H" – 30 pcs.

"J" – 40 pcs.

"K" – 50 pcs.

"L" – 100 pcs.

"M" – 125 pcs.

"N" – 200 pcs.

"P" – 250 pcs.

"R" – 400 pcs.

"S" – 500 pcs.

"T" – 1000 pcs.

"V" – 1500 pcs.

"W" – 3000 pcs.

"Y" – 5000 pcs.

"Z" – nonstandard quantity

### 10. Color and plating (10th sign)

XXXXX-XX-XX**X**X

0 – plating

1 – white

2 – brown

3 – silver

4 – champagne

5 – gold

6 – bronze

7 – black

8 – steel surface

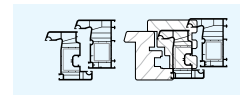
9 – special colors

Double encoding can be used for several tones of the same color.

Example: 1 – white color RAL 9016

1B – white color RAL 9010

### 11. Modification index (A, B, C) (11th sign)

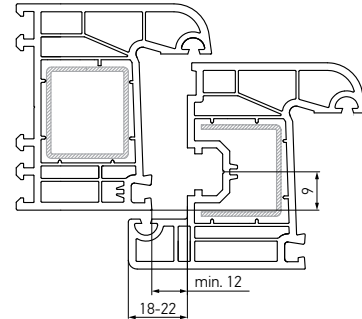


## Section of PVC profiles for single sash and double sash

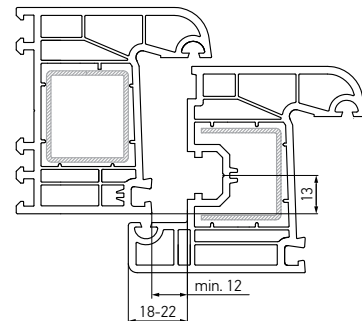
### Introduction

#### The single sash constructions

|                           |            |
|---------------------------|------------|
| Sash rebate gap (A):      | min. 12 mm |
| Sash overlap (C):         | 18 – 22 mm |
| Sash groove position (B): | 9 mm       |



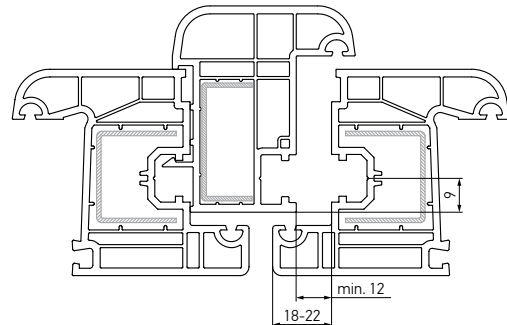
|                           |            |
|---------------------------|------------|
| Sash rebate gap (A):      | min. 12 mm |
| Sash overlap (C):         | 18 – 22 mm |
| Sash groove position (B): | 13 mm      |



#### The double sash constructions with opposite fitting groove

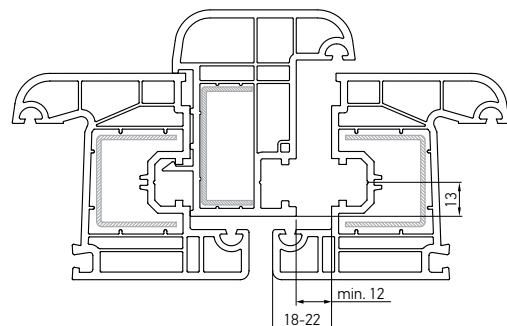
|                           |            |
|---------------------------|------------|
| Sash rebate gap (A):      | min. 12 mm |
| Sash overlap (C):         | 18 – 22 mm |
| Sash groove position (B): | 9 mm       |

The handling of a passive sash with double sash's gears K1002-XX-N03

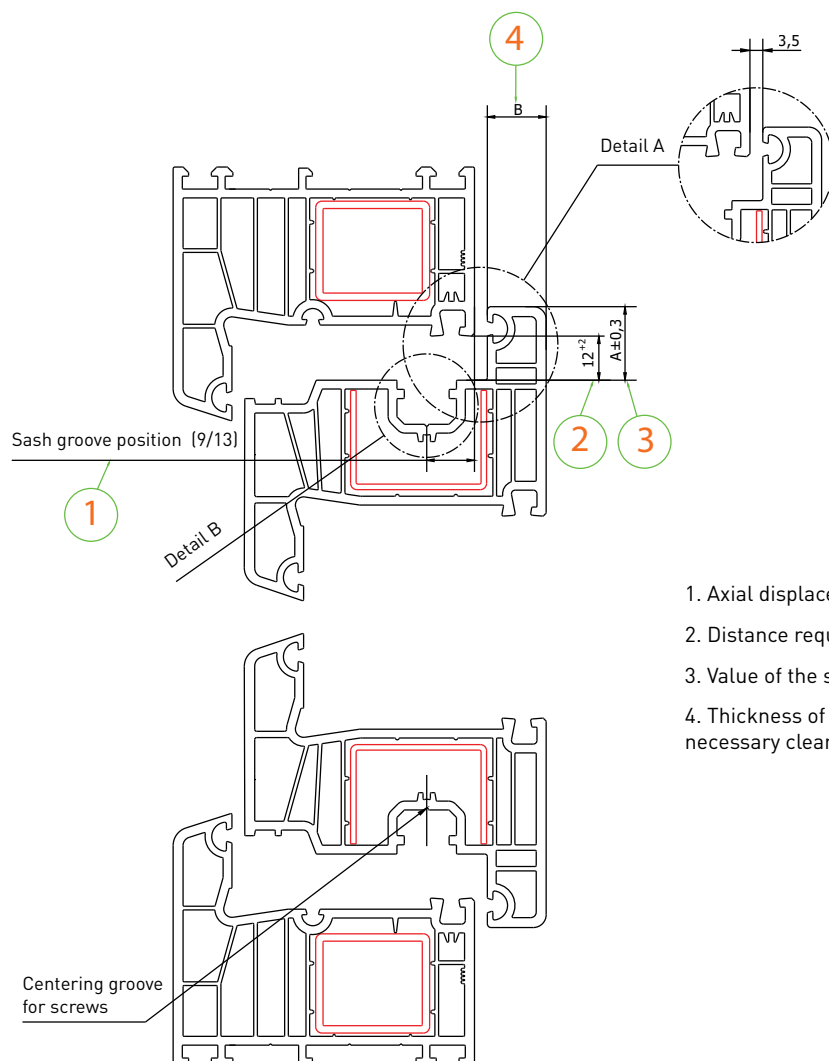
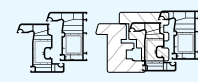


|                           |            |
|---------------------------|------------|
| Sash rebate gap (A):      | min. 12 mm |
| Sash overlap (C):         | 18 – 22 mm |
| Sash groove position (B): | 13 mm      |

The handling of a passive sash with double sash's gears K1002-XX-N03

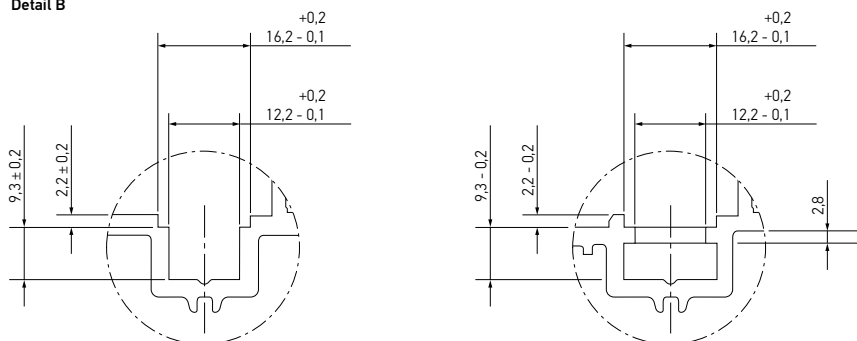


The information about profile-dependent elements you find at the profile list



1. Axial displacement of the fitting groove.
2. Distance required moving the hardware.
3. Value of the sash overlap.
4. Thickness of sash's overlap. The value on which depends necessary clearance for hinge operation.

Detail B



Dimensional compliance for for PVC profiles according to RAL as of February 1998

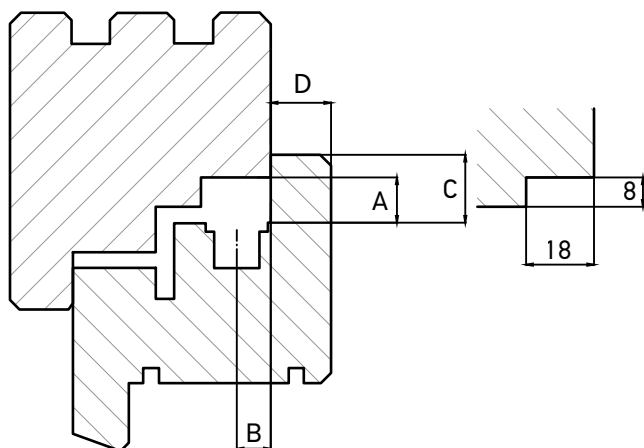
Gütegemeinschaft Schlösser und Beschläge e.V., Offerstr. 12, 42551 Velbert

## Profiles section of timber profiles for single sash and double sash

Introduction

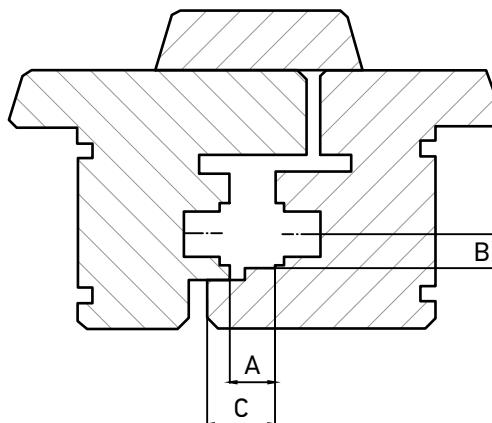
### 18/8—12/18—9 profile

The single sash constructions



- |   |               |
|---|---------------|
| A | Airgap        |
| B | Groove axis   |
| C | Rebate width  |
| D | Rebate height |

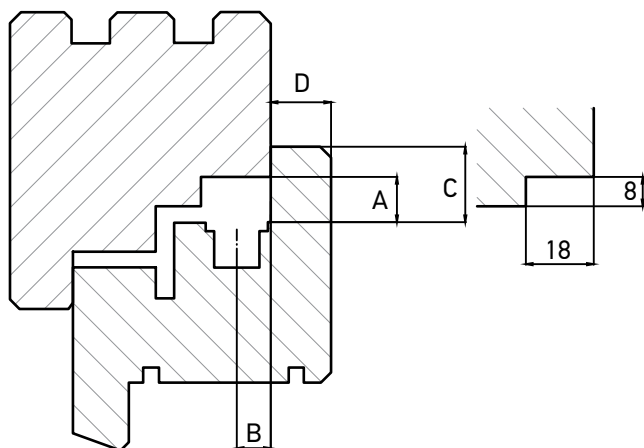
The double sash constructions with opposite fitting groove



- |                          |
|--------------------------|
| 12,0 <sup>+0.5</sup> mm. |
| 9,0 mm.                  |
| 18,0 mm.                 |
| 16,0 mm.                 |

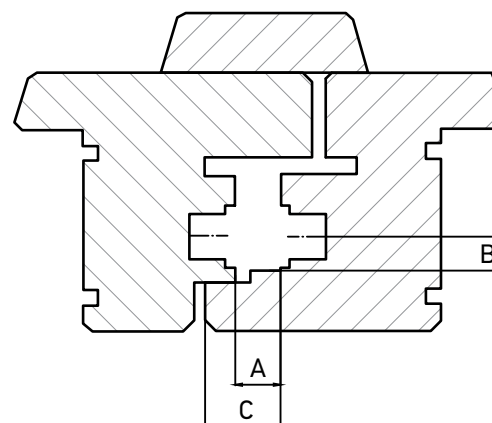
### 18/8—12/20—9 profile

The single sash constructions



- |   |               |
|---|---------------|
| A | Airgap        |
| B | Groove axis   |
| C | Rebate width  |
| D | Rebate height |

The double sash constructions with opposite fitting groove



- |                          |
|--------------------------|
| 12,0 <sup>+0.5</sup> mm. |
| 9,0 mm.                  |
| 20,0 mm.                 |
| 16,0 mm.                 |

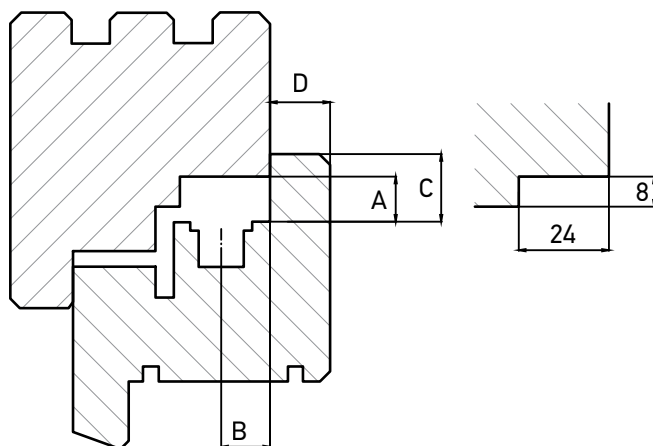
The information about profile-dependent elements you find at the profile list

## Profiles section of timber profiles for single sash and double sash

Introduction

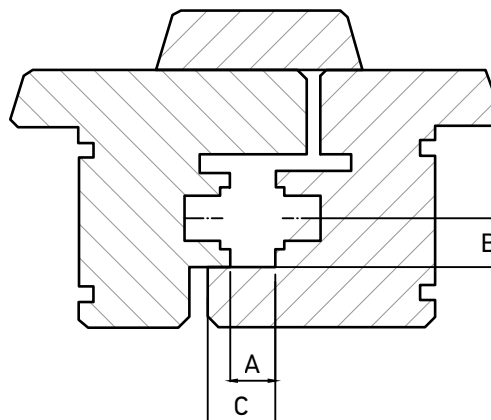
### 24/8—12/18—13 profile

The single sash constructions



- |   |               |
|---|---------------|
| A | Airgap        |
| B | Groove axis   |
| C | Rebate width  |
| D | Rebate height |

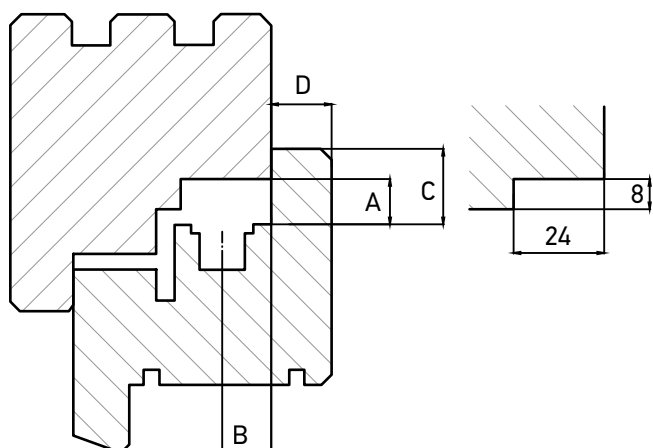
The double sash constructions with opposite fitting groove



- |                          |
|--------------------------|
| 12,0 <sup>+0,5</sup> mm. |
| 13,0 mm.                 |
| 18,0 mm.                 |
| 16,0 mm.                 |

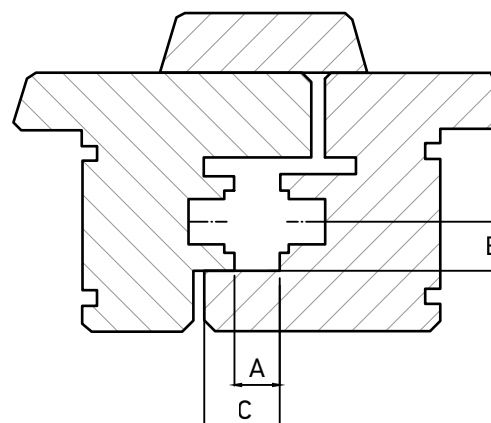
### 24/8—12/20—13 profile

The single sash constructions

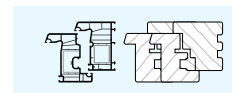


- |   |               |
|---|---------------|
| A | Airgap        |
| B | Groove axis   |
| C | Rebate width  |
| D | Rebate height |

The double sash constructions with opposite fitting groove



- |                          |
|--------------------------|
| 12,0 <sup>+0,5</sup> mm. |
| 13,0 mm.                 |
| 20,0 mm.                 |
| 16,0 mm.                 |

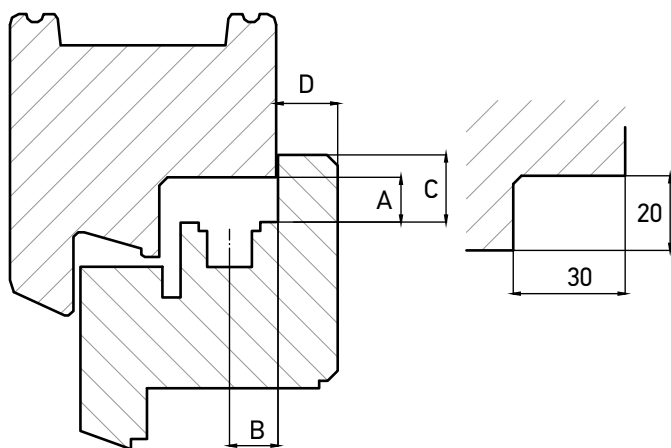


## Profiles section of timber profiles for single sash and double sash

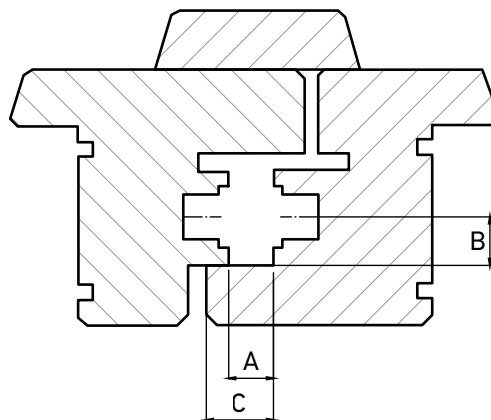
Introduction

### 30/20—12/18—13 profile

The single sash constructions



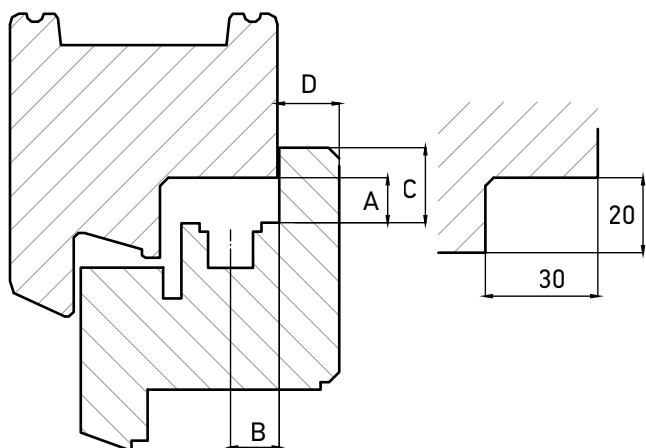
The double sash constructions with opposite fitting groove



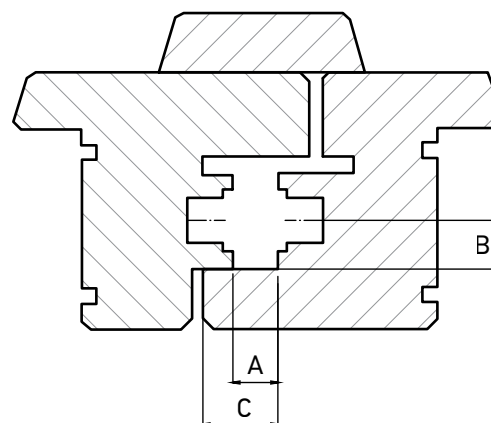
|   |               |                          |
|---|---------------|--------------------------|
| A | Airgap        | 12,0 <sup>+0.5</sup> mm. |
| B | Groove axis   | 13,0 mm.                 |
| C | Rebate width  | 18,0 mm.                 |
| D | Rebate height | 16,5 mm.                 |

### 30/20—12/20—13 profile

The single sash constructions



The double sash constructions with opposite fitting groove



|   |               |                          |
|---|---------------|--------------------------|
| A | Airgap        | 12,0 <sup>+0.5</sup> mm. |
| B | Groove axis   | 13,0 mm.                 |
| C | Rebate width  | 20,0 mm.                 |
| D | Rebate height | 16,5 mm.                 |

The information about profile-dependent elements you find at the profile list

## Application range diagrams

Introduction

### Single turn, tilt and turn and double sash design

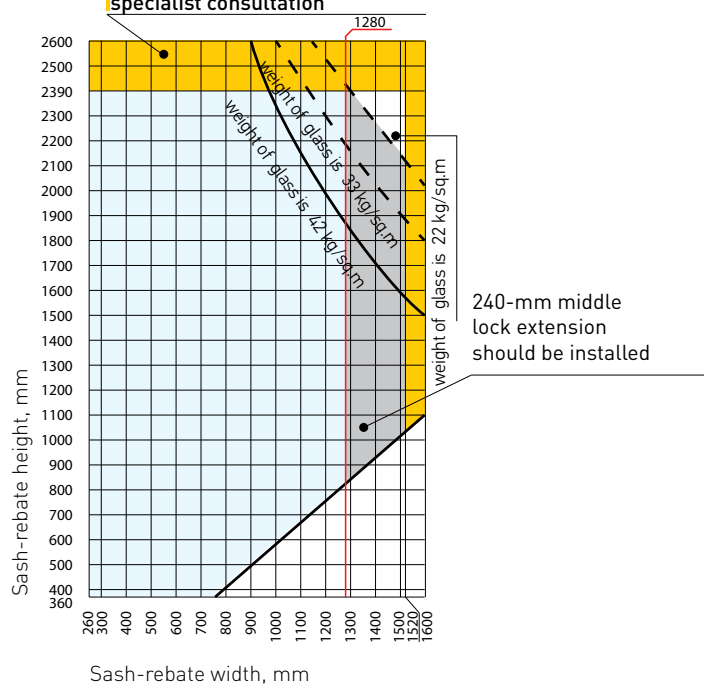


Valid sash's size

Permissible sash's weight for this range is 130 kg max.

1 mm / m<sup>2</sup> glass thickness = 2.5

In this range of equipment  
is required AXOR technical  
specialist consultation

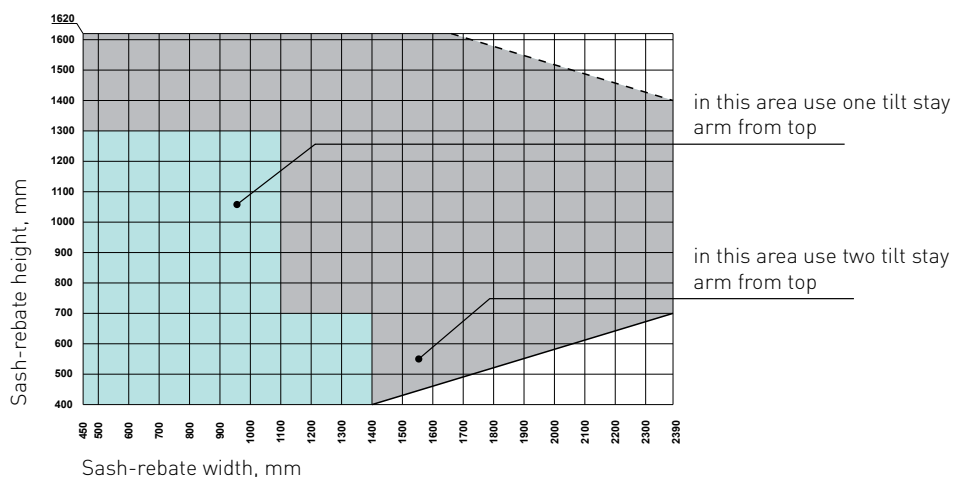


### Tilt-only design



Limit of sash's dimensions.

Maximum permissible sash's weight is 50 kg



**AXOR**™

**ELITE +**

Concealed hinges system

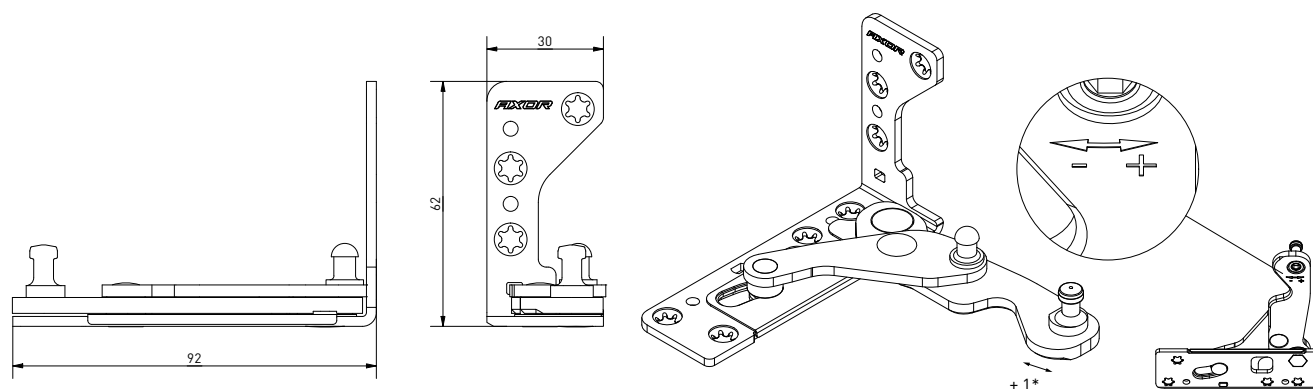
AXOR



## Concealed bottom hinge

Concealed hinges system

### Concealed bottom hinge PVC

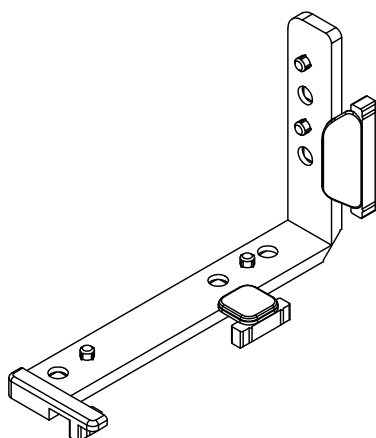


Sash rebate gap min. 12,5 mm!

\* adjustment of gasket pressure, mm;

\*\* see the section "Profile-dependent elements"

### Concealed hinge packer \*\*



| Description                                           | Side opening | A  | C | B  | kg  |    |     | Part No.     |
|-------------------------------------------------------|--------------|----|---|----|-----|----|-----|--------------|
| Concealed bottom hinge PVC, 9 mm, left                | L            | 12 | — | 9  | 130 | 7  | 25  | A5025-09-L03 |
| Concealed bottom hinge PVC, 9 mm, right               | R            | 12 | — | 9  | 130 | 7  | 25  | A5025-09-R03 |
| Concealed bottom hinge PVC, 13 mm, left               | L            | 12 | — | 13 | 130 | 7  | 25  | A5025-13-L03 |
| Concealed bottom hinge PVC, 13 mm, right              | R            | 12 | — | 13 | 130 | 7  | 25  | A5025-13-R03 |
| Decorative cover of concealed bottom hinge PVC, left  | L            | 12 | — | —  | —   | —  | 100 | A7141-00-L03 |
| Decorative cover of concealed bottom hinge PVC, right | R            | 12 | — | —  | —   | —  | 100 | A7141-00-R03 |
| Description                                           | Side opening | A  | C | B  | kg  |    |     | Part No.     |
| Template for drilling, concealed hinges group, 30 mm  | L/R          | 12 | — | —  | —   | Ø3 | —   | A7145-02-N03 |

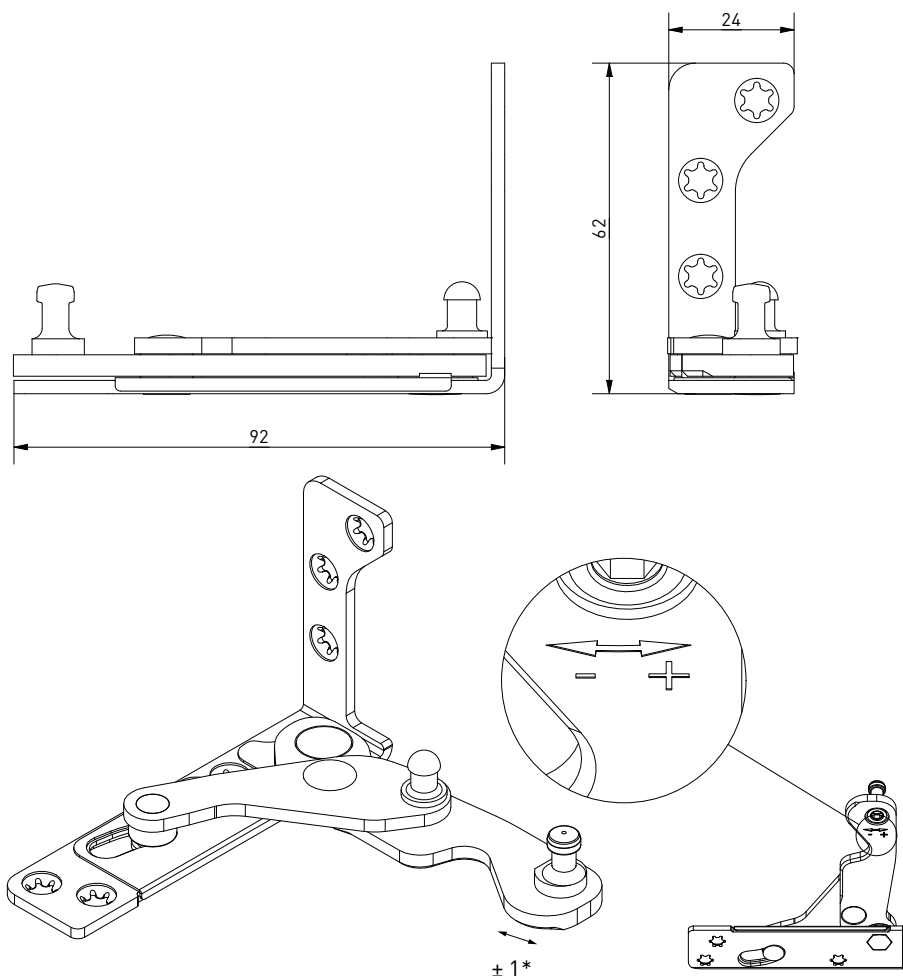
A - sash rebate gap / C - sash overlap / B - sash groove position



## Concealed bottom hinge

### Concealed hinges system

#### Concealed bottom hinge for timber profile

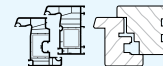


Sash rebate gap min. 12 mm!

\* adjustment of gasket pressure, mm

| Description                                             | Side opening | A    | C | B  | kg  |    |    | Part No.     |
|---------------------------------------------------------|--------------|------|---|----|-----|----|----|--------------|
| Concealed bottom hinge for timber profile, 9 mm, left   | L            | 12.5 | — | 9  | 130 | 6  | 25 | A5026-09-L03 |
| Concealed bottom hinge for timber profile, 9 mm, right  | R            | 12.5 | — | 9  | 130 | 6  | 25 | A5026-09-R03 |
| Concealed bottom hinge for timber profile, 13 mm, left  | L            | 12.5 | — | 13 | 130 | 6  | 25 | A5026-13-L03 |
| Concealed bottom hinge for timber profile, 13 mm, right | R            | 12.5 | — | 13 | 130 | 6  | 25 | A5026-13-R03 |
| Description                                             | Side opening | A    | C | B  | kg  |    |    | Part No.     |
| Template for drilling, concealed hinges group, 24 mm    | L/R          | 12   | — | —  | —   | Ø3 | —  | A7145-01-N03 |

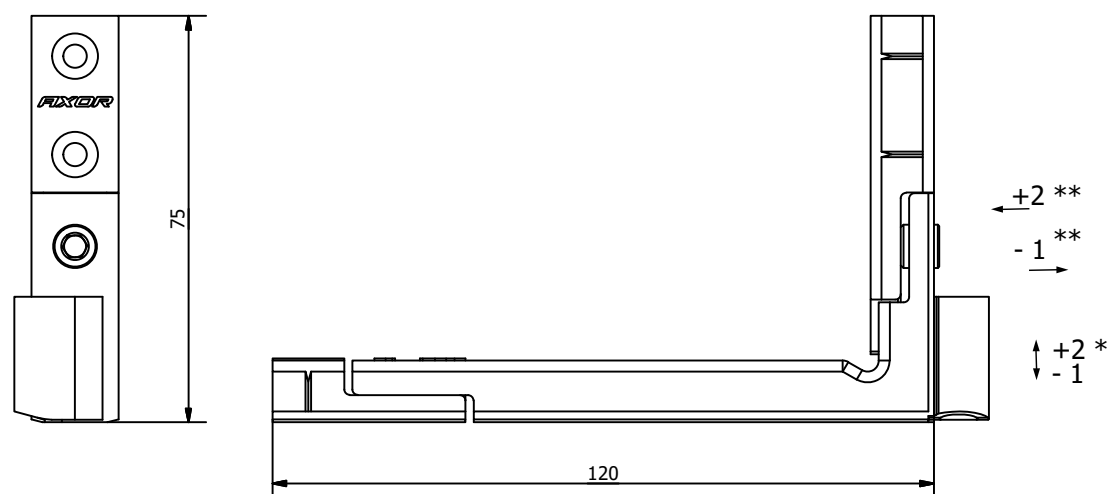
A - sash rebate gap / C - sash overlap / B - sash groove position



## Concealed bottom sash hinge

Concealed hinges system

### Concealed bottom sash hinge



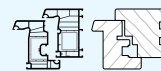
Sash rebate gap min. 12,5 mm!

\* vertical adjustment, mm;

\*\* horizontal adjustment, mm

| Description                               | Side opening | A  | C | B  | kg  |  |  | Part No.     |
|-------------------------------------------|--------------|----|---|----|-----|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------|
| Concealed bottom sash hinge, 9 mm, left   | L            | 12 | — | 9  | 130 | 4                                                                                     | 100                                                                                   | A5027-09-L03 |
| Concealed bottom sash hinge, 9 mm, right  | R            | 12 | — | 9  | 130 | 4                                                                                     | 100                                                                                   | A5027-09-R03 |
| Concealed bottom sash hinge, 13 mm, left  | L            | 12 | — | 13 | 130 | 4                                                                                     | 100                                                                                   | A5027-13-L03 |
| Concealed bottom sash hinge, 13 mm, right | R            | 12 | — | 13 | 130 | 4                                                                                     | 100                                                                                   | A5027-13-R03 |

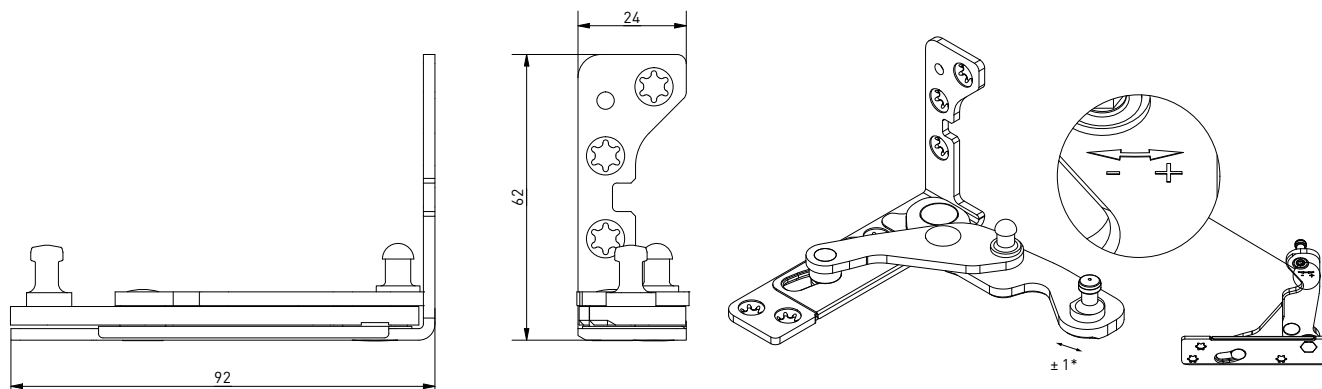
A - sash rebate gap / C - sash overlap / B - sash groove position



## Concealed bottom hinge for aluminium doorstep

Concealed hinges system

### Concealed bottom hinge for aluminium doorstep, 13 mm

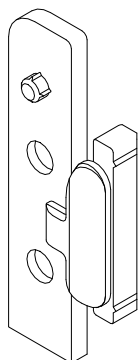


Sash rebate gap min. 12,5 mm!

\* adjustment of gasket pressure, mm;

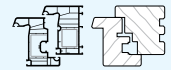
\*\* see the section "Profile-dependent elements"

### Concealed hinge packer\*\*



| Description                                                 | Side opening | A  | C | B  | kg  |    |    | Part No.     |
|-------------------------------------------------------------|--------------|----|---|----|-----|----|----|--------------|
| Concealed bottom hinge for aluminium doorstep, 13 mm, left  | L            | 12 | — | 13 | 130 | 6  | 25 | A5055-13-L03 |
| Concealed bottom hinge for aluminium doorstep, 13 mm, right | R            | 12 | — | 13 | 130 | 6  | 25 | A5055-13-R03 |
| Description                                                 | Side opening | A  | C | B  | kg  |    |    | Part No.     |
| Template for drilling, concealed hinges group, 24 mm        | L/R          | 12 | — | —  | —   | Ø3 | —  | A7145-01-N03 |

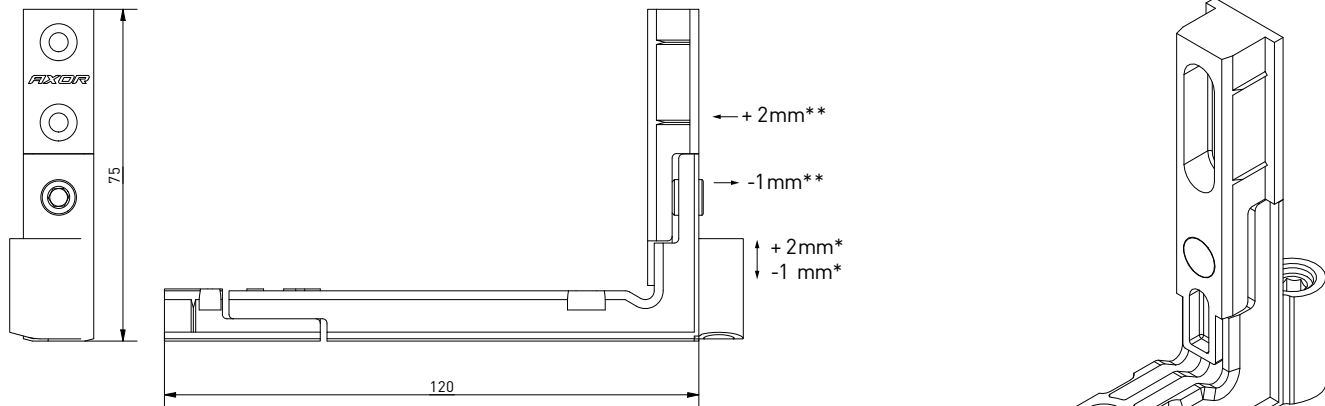
A - Sash rebate gap / C - Sash overlap / B - Sash groove position



## Concealed bottom sash hinge for aluminium doorstep

Concealed hinges system

### Concealed bottom sash hinge for aluminium doorstep, 13 mm

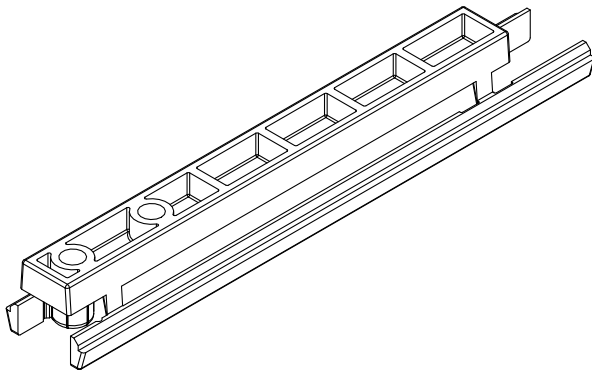


Sash rebate gap min. 12,5 mm!

\* vertical adjustment, mm;

\*\* horizontal adjustment, mm

### Cover of concealed hinge for low aluminium doorstep\*\*\*



\*\*\* see the section "Profile-dependent elements"

| Description                                                      | Side opening | A  | C | B  | kg  |   |     | Part No.     |
|------------------------------------------------------------------|--------------|----|---|----|-----|---|-----|--------------|
| Concealed bottom sash hinge for aluminium doorstep, 13 mm, left  | L            | 12 | — | 13 | 130 | 4 | 100 | A5056-13-L03 |
| Concealed bottom sash hinge for aluminium doorstep, 13 mm, right | R            | 12 | — | 13 | 130 | 4 | 100 | A5056-13-R03 |

A - Sash rebate gap / C - Sash overlap / B - Sash groove position

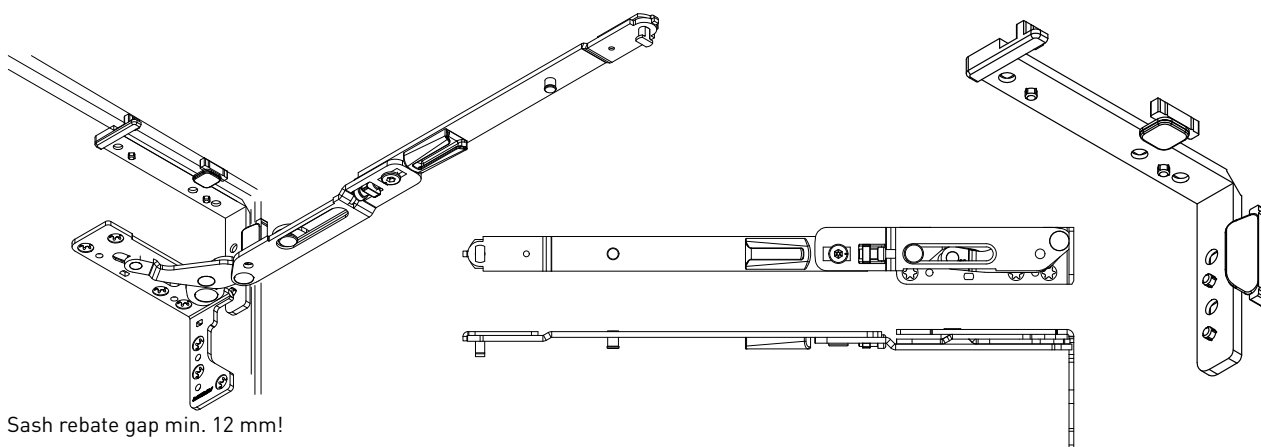


## Stay arm

Concealed stay arm  
system

### Concealed stay arm PVC

### Concealed hinge packer \*\*\*



Sash rebate gap min. 12 mm!

\* adjustment of gasket pressure, mm;

\*\* horizontal adjustment, mm;

\*\*\* see the section "Profile-dependent elements"

| Description                                          | SRW (mm)  | Side opening | A  | C | B  | kg  |    |    | Part No.     |
|------------------------------------------------------|-----------|--------------|----|---|----|-----|----|----|--------------|
| Concealed stay arm PVC, 13 mm, 480-800, left         | 480-800   | L            | 12 | — | 13 | 130 | 7  | 10 | A3001-02-L03 |
| Concealed stay arm PVC, 13 mm, 480-800, right        | 480-800   | R            | 12 | — | 13 | 130 | 7  | 10 | A3001-02-R03 |
| Concealed stay arm PVC, 13 mm, 801-1040, left        | 801-1040  | L            | 12 | — | 13 | 130 | 7  | 10 | A3001-03-L03 |
| Concealed stay arm PVC, 13 mm, 801-1040, right       | 801-1040  | R            | 12 | — | 13 | 130 | 7  | 10 | A3001-03-R03 |
| Concealed stay arm PVC, 13 mm, 1041-1280, left       | 1041-1280 | L            | 12 | — | 13 | 130 | 7  | 10 | A3001-04-L03 |
| Concealed stay arm PVC, 13 mm, 1041-1280, right      | 1041-1280 | R            | 12 | — | 13 | 130 | 7  | 10 | A3001-04-R03 |
| Concealed stay arm PVC, 9 mm, 480-800, left          | 480-800   | L            | 12 | — | 9  | 130 | 7  | 10 | A3002-02-L03 |
| Concealed stay arm PVC, 9 mm, 480-800, right         | 480-800   | R            | 12 | — | 9  | 130 | 7  | 10 | A3002-02-R03 |
| Concealed stay arm PVC, 9 mm, 801-1040, left         | 801-1040  | L            | 12 | — | 9  | 130 | 7  | 10 | A3002-03-L03 |
| Concealed stay arm PVC, 9 mm, 801-1040, right        | 801-1040  | R            | 12 | — | 9  | 130 | 7  | 10 | A3002-03-R03 |
| Concealed stay arm PVC, 9 mm, 1041-1280, left        | 1041-1280 | L            | 12 | — | 9  | 130 | 7  | 10 | A3002-04-L03 |
| Concealed stay arm PVC, 9 mm, 1041-1280, right       | 1041-1280 | R            | 12 | — | 9  | 130 | 7  | 10 | A3002-04-R03 |
| Description                                          | SRW (mm)  | Side opening | A  | C | B  | kg  |    |    | Part No.     |
| Template for drilling, concealed hinges group, 30 mm | —         | L/R          | —  | — | —  | —   | Ø3 | —  | A7145-02-N03 |

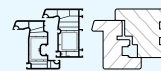
A - sash rebate gap / C - sash overlap / B - sash groove position

**AXOR**™

**ELITE** 

Concealed stay arm system

**AXOR**

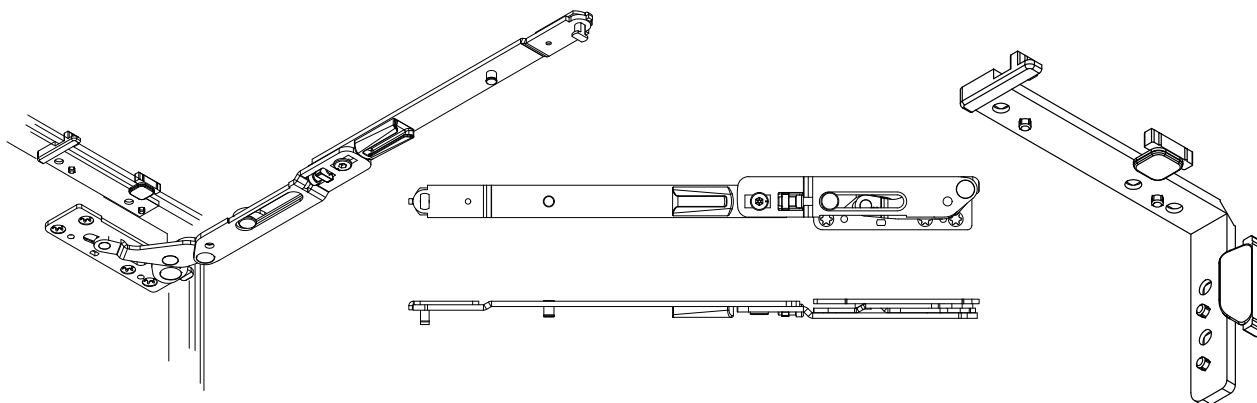


## Stay arm

Concealed stay arm system

Concealed stay arm horizontal fixation PVC

Concealed hinge packer\*\*\*



Sash rebate gap min. 12 mm!

\* adjustment of gasket pressure, mm;

\*\* horizontal adjustment, mm;

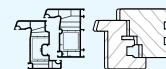
\*\*\* see the section "Profile-dependent elements"

| Description                                                         | SRW (mm)  | Side opening | A  | C | B  | kg  |   |    | Part No.     |
|---------------------------------------------------------------------|-----------|--------------|----|---|----|-----|---|----|--------------|
| Concealed stay arm horizontal fixation PVC, 13 mm, 480-800, left    | 480-800   | L            | 12 | — | 13 | 130 | 7 | 10 | A3011-02-L03 |
| Concealed stay arm horizontal fixation PVC, 13 mm, 480-800, right   | 480-800   | R            | 12 | — | 13 | 130 | 7 | 10 | A3011-02-R03 |
| Concealed stay arm horizontal fixation PVC, 13 mm, 801-1040, left   | 801-1040  | L            | 12 | — | 13 | 130 | 7 | 10 | A3011-03-L03 |
| Concealed stay arm horizontal fixation PVC, 13 mm, 801-1040, right  | 801-1040  | R            | 12 | — | 13 | 130 | 7 | 10 | A3011-03-R03 |
| Concealed stay arm horizontal fixation PVC, 13 mm, 1041-1280, left  | 1041-1280 | L            | 12 | — | 13 | 130 | 7 | 10 | A3011-04-L03 |
| Concealed stay arm horizontal fixation PVC, 13 mm, 1041-1280, right | 1041-1280 | R            | 12 | — | 13 | 130 | 7 | 10 | A3011-04-R03 |
| Description                                                         | SRW (mm)  | Side opening | A  | C | B  | kg  |   |    | Part No.     |

Template for drilling, concealed hinges group, 30 mm

— L/R — — — — Ø3 — A7145-02-N03

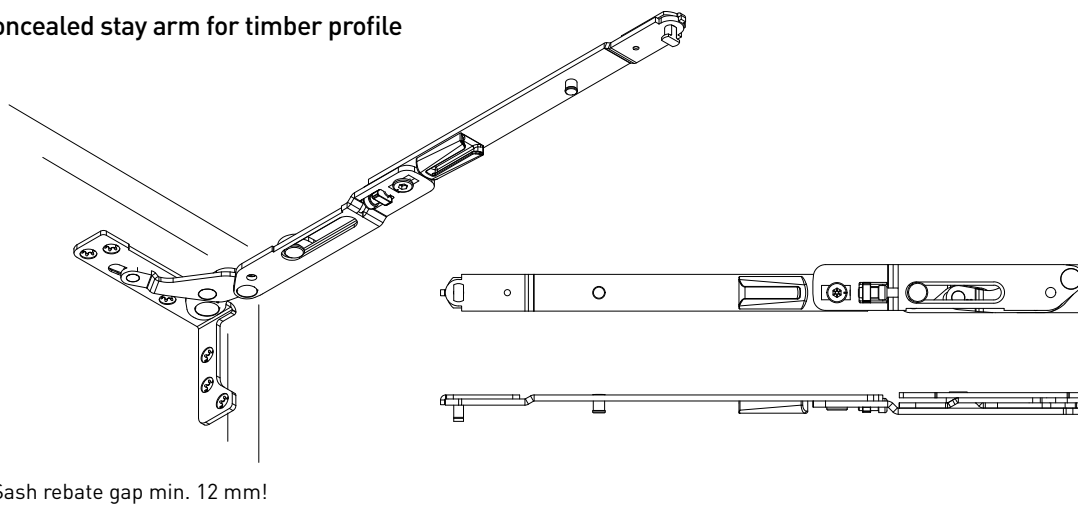
A - Міжфальцевий зазор / C - Ширина наплаву / B - Зсув осі паза фурнітури



## Stay arm

Concealed stay arm system

### Concealed stay arm for timber profile



– Sash rebate gap min. 12 mm!

\* adjustment of gasket pressure, mm;

\*\* horizontal adjustment, mm.

| Description                                                    | SRW (mm)  | Side opening | A  | C | B  | kg  |    |    | Part No.     |
|----------------------------------------------------------------|-----------|--------------|----|---|----|-----|----|----|--------------|
| Concealed stay arm for timber profile, 13 mm, 480-800, left    | 480-800   | L            | 12 | — | 13 | 130 | 6  | 10 | A3003-02-L03 |
| Concealed stay arm for timber profile, 13 mm, 480-800, right   | 480-800   | R            | 12 | — | 13 | 130 | 6  | 10 | A3003-02-R03 |
| Concealed stay arm for timber profile, 13 mm, 801-1040, left   | 801-1040  | L            | 12 | — | 13 | 130 | 6  | 10 | A3003-03-L03 |
| Concealed stay arm for timber profile, 13 mm, 801-1040, right  | 801-1040  | R            | 12 | — | 13 | 130 | 6  | 10 | A3003-03-R03 |
| Concealed stay arm for timber profile, 13 mm, 1041-1280, left  | 1041-1280 | L            | 12 | — | 13 | 130 | 6  | 10 | A3003-04-L03 |
| Concealed stay arm for timber profile, 13 mm, 1041-1280, right | 1041-1280 | R            | 12 | — | 13 | 130 | 6  | 10 | A3003-04-R03 |
| Concealed stay arm for timber profile, 9 mm, 480-800, left     | 480-800   | L            | 12 | — | 9  | 130 | 6  | 10 | A3004-02-L03 |
| Concealed stay arm for timber profile, 9 mm, 480-800, right    | 480-800   | R            | 12 | — | 9  | 130 | 6  | 10 | A3004-02-R03 |
| Concealed stay arm for timber profile, 9 mm, 801-1040, left    | 801-1040  | L            | 12 | — | 9  | 130 | 6  | 10 | A3004-03-L03 |
| Concealed stay arm for timber profile, 9 mm, 801-1040, right   | 801-1040  | R            | 12 | — | 9  | 130 | 6  | 10 | A3004-03-R03 |
| Concealed stay arm for timber profile, 9 mm, 1041-1280, left   | 1041-1280 | L            | 12 | — | 9  | 130 | 6  | 10 | A3004-04-L03 |
| Concealed stay arm for timber profile, 9 mm, 1041-1280, right  | 1041-1280 | R            | 12 | — | 9  | 130 | 6  | 10 | A3004-04-R03 |
| Description                                                    | SRW (mm)  | Side opening | A  | C | B  | kg  |    |    | Part No.     |
| Template for drilling, concealed hinges group, 24 mm           | —         | L/R          | —  | — | —  | —   | Ø3 | —  | A7145-01-N03 |

A - sash rebate gap / C - sash overlap / B - sash groove position

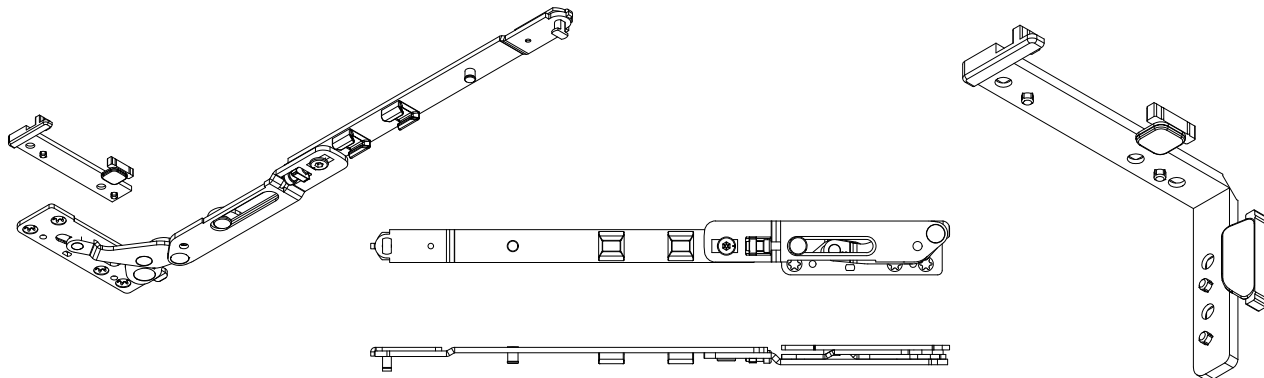


## Stay arm “First Tilt”

Concealed stay arm system

Concealed stay arm “First Tilt” PVC

Concealed hinge packer \*\*\*



Sash rebate gap min. 12 mm!

\* adjustment of gasket pressure, mm;

\*\* horizontal adjustment, mm;

\*\*\* see the section “Profile-dependent elements”

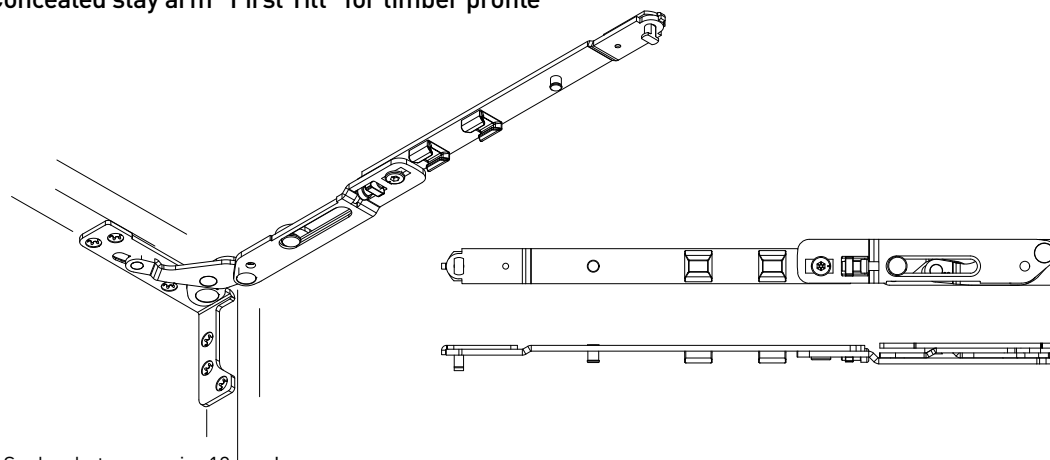
| Description                                                  | SRW (mm)  | Side opening | A  | C | B  | kg  |    |    | Part No.     |
|--------------------------------------------------------------|-----------|--------------|----|---|----|-----|----|----|--------------|
| Concealed stay arm “First Tilt” PVC, 13 mm, 480-800, left    | 480-800   | L            | 12 | — | 13 | 130 | 7  | 10 | A3005-02-L03 |
| Concealed stay arm “First Tilt” PVC, 13 mm, 480-800, right   | 480-800   | R            | 12 | — | 13 | 130 | 7  | 10 | A3005-02-R03 |
| Concealed stay arm “First Tilt” PVC, 13 mm, 801-1040, left   | 801-1040  | L            | 12 | — | 13 | 130 | 7  | 10 | A3005-03-L03 |
| Concealed stay arm “First Tilt” PVC, 13 mm, 801-1040, right  | 801-1040  | R            | 12 | — | 13 | 130 | 7  | 10 | A3005-03-R03 |
| Concealed stay arm “First Tilt” PVC, 13 mm, 1041-1280, left  | 1041-1280 | L            | 12 | — | 13 | 130 | 7  | 10 | A3005-04-L03 |
| Concealed stay arm “First Tilt” PVC, 13 mm, 1041-1280, right | 1041-1280 | R            | 12 | — | 13 | 130 | 7  | 10 | A3005-04-R03 |
| Concealed stay arm “First Tilt” PVC, 9 mm, 480-800, left     | 480-800   | L            | 12 | — | 9  | 130 | 7  | 10 | A3006-02-L03 |
| Concealed stay arm “First Tilt” PVC, 9 mm, 480-800, right    | 480-800   | R            | 12 | — | 9  | 130 | 7  | 10 | A3006-02-R03 |
| Concealed stay arm “First Tilt” PVC, 9 mm, 801-1040, left    | 801-1040  | L            | 12 | — | 9  | 130 | 7  | 10 | A3006-03-L03 |
| Concealed stay arm “First Tilt” PVC, 9 mm, 801-1040, right   | 801-1040  | R            | 12 | — | 9  | 130 | 7  | 10 | A3006-03-R03 |
| Concealed stay arm “First Tilt” PVC, 9 mm, 1041-1280, left   | 1041-1280 | L            | 12 | — | 9  | 130 | 7  | 10 | A3006-04-L03 |
| Concealed stay arm “First Tilt” PVC, 9 mm, 1041-1280, right  | 1041-1280 | R            | 12 | — | 9  | 130 | 7  | 10 | A3006-04-R03 |
| Description                                                  | SRW (mm)  | Side opening | A  | C | B  | kg  |    |    | Part No.     |
| Template for drilling, concealed hinges group, 30 mm         | —         | L/R          | —  | — | —  | —   | Ø3 | —  | A7145-02-N03 |

A - sash rebate gap / C - sash overlap / B - sash groove position

## Stay arm “First Tilt”

Concealed stay arm system

Concealed stay arm “First Tilt” for timber profile



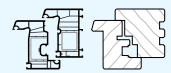
– Sash rebate gap min. 12 mm!

\* adjustment of gasket pressure, mm;

\*\* horizontal adjustment, mm.

| Description                                                                 | SRW (mm)  | Side opening | A  | C | B  | kg  |    |    | Part No.     |
|-----------------------------------------------------------------------------|-----------|--------------|----|---|----|-----|----|----|--------------|
| Concealed stay arm “First Tilt” for timber profile, 13 mm, 480-800, left    | 480-800   | L            | 12 | — | 13 | 130 | 6  | 10 | A3007-02-L03 |
| Concealed stay arm “First Tilt” for timber profile, 13 mm, 480-800, right   | 480-800   | R            | 12 | — | 13 | 130 | 6  | 10 | A3007-02-R03 |
| Concealed stay arm “First Tilt” for timber profile, 13 mm, 801-1040, left   | 801-1040  | L            | 12 | — | 13 | 130 | 6  | 10 | A3007-03-L03 |
| Concealed stay arm “First Tilt” for timber profile, 13 mm, 801-1040, right  | 801-1040  | R            | 12 | — | 13 | 130 | 6  | 10 | A3007-03-R03 |
| Concealed stay arm “First Tilt” for timber profile, 13 mm, 1041-1280, left  | 1041-1280 | L            | 12 | — | 13 | 130 | 6  | 10 | A3007-04-L03 |
| Concealed stay arm “First Tilt” for timber profile, 13 mm, 1041-1280, right | 1041-1280 | R            | 12 | — | 13 | 130 | 6  | 10 | A3007-04-R03 |
| Concealed stay arm “First Tilt” for timber profile, 9 mm, 480-800, left     | 480-800   | L            | 12 | — | 9  | 130 | 6  | 10 | A3008-02-L03 |
| Concealed stay arm “First Tilt” for timber profile, 9 mm, 480-800, right    | 480-800   | R            | 12 | — | 9  | 130 | 6  | 10 | A3008-02-R03 |
| Concealed stay arm “First Tilt” for timber profile, 9 mm, 801-1040, left    | 801-1040  | L            | 12 | — | 9  | 130 | 6  | 10 | A3008-03-L03 |
| Concealed stay arm “First Tilt” for timber profile, 9 mm, 801-1040, right   | 801-1040  | R            | 12 | — | 9  | 130 | 6  | 10 | A3008-03-R03 |
| Concealed stay arm “First Tilt” for timber profile, 9 mm, 1041-1280, left   | 1041-1280 | L            | 12 | — | 9  | 130 | 6  | 10 | A3008-04-L03 |
| Concealed stay arm “First Tilt” for timber profile, 9 mm, 1041-1280, right  | 1041-1280 | R            | 12 | — | 9  | 130 | 6  | 10 | A3008-04-R03 |
| Description                                                                 | SRW (mm)  | Side opening | A  | C | B  | kg  |    |    | Part No.     |
| Template for drilling, concealed hinges group, 24 mm                        | —         | L/R          | —  | — | —  | —   | Ø3 | —  | A7145-01-N03 |

A - sash rebate gap / C - sash overlap / B - sash groove position

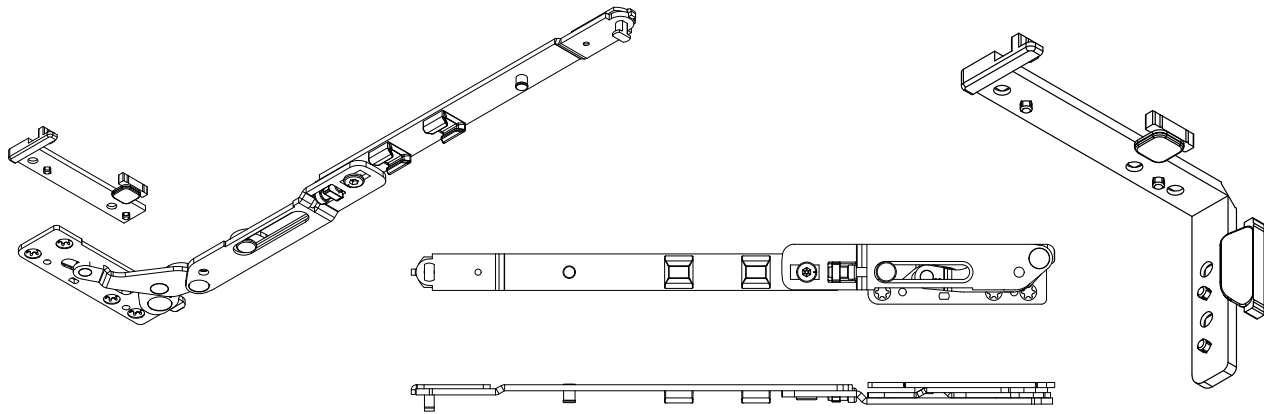


## Stay arm “First Tilt”

Concealed stay arm system

Concealed stay arm “First Tilt” PVC horizontal fixation

Concealed hinge packer\*\*\*



Sash rebate gap min. 12 mm!

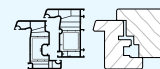
\* adjustment of gasket pressure, mm;

\*\* horizontal adjustment, mm;

\*\*\* see the section “Profile-dependent elements”

| Description                                                                     | SRW (mm)  | Side opening | A  | C | B | kg  |    |    | Part No.     |
|---------------------------------------------------------------------------------|-----------|--------------|----|---|---|-----|----|----|--------------|
| Concealed stay arm “First Tilt” PVC horizontal fixation, 13 mm, 480-800, left   | 480-800   | L            | 12 | — | 9 | 130 | 7  | 10 | A3012-02-L03 |
| Concealed stay arm “First Tilt” PVC horizontal fixation, 13mm, 480-800, right   | 480-800   | R            | 12 | — | 9 | 130 | 7  | 10 | A3012-02-R03 |
| Concealed stay arm “First Tilt” PVC horizontal fixation, 13mm, 801-1040, left   | 801-1040  | L            | 12 | — | 9 | 130 | 7  | 10 | A3012-03-L03 |
| Concealed stay arm “First Tilt” PVC horizontal fixation, 13mm, 801-1040, right  | 801-1040  | R            | 12 | — | 9 | 130 | 7  | 10 | A3012-03-R03 |
| Concealed stay arm “First Tilt” PVC horizontal fixation, 13mm, 1041-1280, left  | 1041-1280 | L            | 12 | — | 9 | 130 | 7  | 10 | A3012-04-L03 |
| Concealed stay arm “First Tilt” PVC horizontal fixation, 13mm, 1041-1280, right | 1041-1280 | R            | 12 | — | 9 | 130 | 7  | 10 | A3012-04-R03 |
| Description                                                                     | SRW (mm)  | Side opening | A  | C | B | kg  |    |    | Part No.     |
| Template for drilling, concealed hinges group, 30 mm                            | —         | L/R          | —  | — | — | —   | Ø3 | —  | A7145-02-N03 |

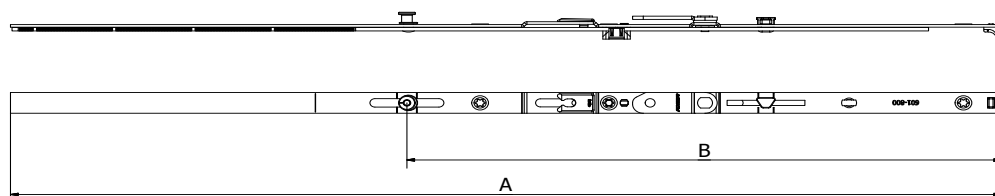
A - Міжфальцевий зазор / C - Ширина наплаву / B - Зсув осі паза фурнітури



## Stay arm, sash part

Concealed stay arm system

### Concealed stay arm connecting plate



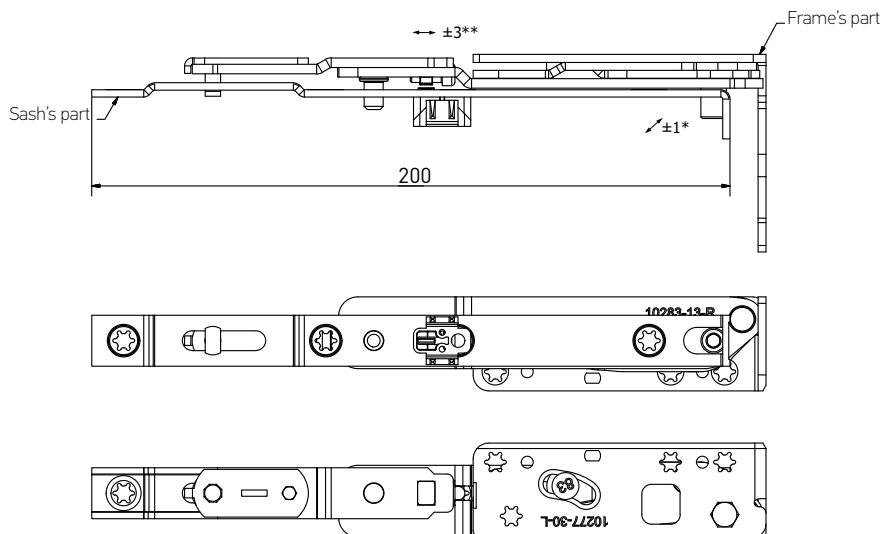
| Description                                                       | SRW (mm)  | Side opening | Dimensions |     |   |     |   |    | Part No.     |
|-------------------------------------------------------------------|-----------|--------------|------------|-----|---|-----|---|----|--------------|
|                                                                   |           |              | A          | B   |   |     |   |    |              |
| Concealed stay arm connecting plate 1<br>L=530, 480-680, left     | 480-680   | L            | 530        | -   | - | 130 | 3 | 20 | K3030-06-L03 |
| Concealed stay arm connecting plate 1<br>L=530, 480-680, right    | 480-680   | R            | 530        | -   | - | 130 | 3 | 20 | K3030-06-R03 |
| Concealed stay arm connecting plate 2<br>L=650, 600-800, left     | 600-800   | L            | 650        | 390 | 1 | 130 | 4 | 20 | K3030-07-L03 |
| Concealed stay arm connecting plate 2<br>L=650, 600-800, right    | 600-800   | R            | 650        | 390 | 1 | 130 | 4 | 20 | K3030-07-R03 |
| Concealed stay arm connecting plate 3<br>L=890, 801-1040, left    | 801-1040  | L            | 890        | 536 | 1 | 130 | 7 | 20 | K3030-09-L03 |
| Concealed stay arm connecting plate 3<br>L=890, 801-1040, right   | 801-1040  | R            | 890        | 536 | 1 | 130 | 7 | 20 | K3030-09-R03 |
| Concealed stay arm connecting plate 4<br>L=1130, 1041-1280, left  | 1041-1280 | L            | 1130       | 623 | 1 | 130 | 8 | 20 | K3030-12-L03 |
| Concealed stay arm connecting plate 4<br>L=1130, 1041-1280, right | 1041-1280 | R            | 1130       | 623 | 1 | 130 | 8 | 20 | K3030-12-R03 |



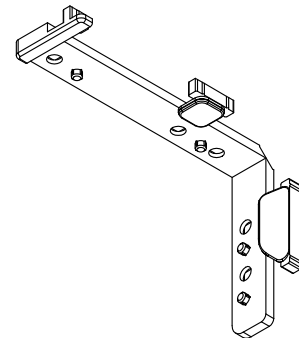
## Concealed side hung top hinge

Concealed stay arm system

### Concealed side hung top hinge PVC



### Concealed hinge packer \*\*\*



Sash rebate gap min. 12 mm!

\* adjustment of gasket pressure, mm;

\*\* horizontal adjustment, mm;

\*\*\* see the section "Profile-dependent elements"

| Description                                          | SRW (mm) | Side opening | A  | C | B  | kg  |    |    | Part No.     |
|------------------------------------------------------|----------|--------------|----|---|----|-----|----|----|--------------|
| Concealed side hung top hinge PVC, 9 mm, left        | 320-1280 | L            | 12 | — | 9  | 130 | 11 | 10 | A5023-09-L03 |
| Concealed side hung top hinge PVC, 9 mm, right       | 320-1280 | R            | 12 | — | 9  | 130 | 11 | 10 | A5023-09-R03 |
| Concealed side hung top hinge PVC, 13 mm, left       | 320-1280 | L            | 12 | — | 13 | 130 | 11 | 10 | A5023-13-L03 |
| Concealed side hung top hinge PVC, 13 mm, right      | 320-1280 | R            | 12 | — | 13 | 130 | 11 | 10 | A5023-13-R03 |
| Description                                          | SRW (mm) | Side opening | A  | C | B  | kg  |    |    | Part No.     |
| Template for drilling, concealed hinges group, 30 mm | —        | L/R          | —  | — | —  | —   | Ø3 | —  | A7145-02-N03 |

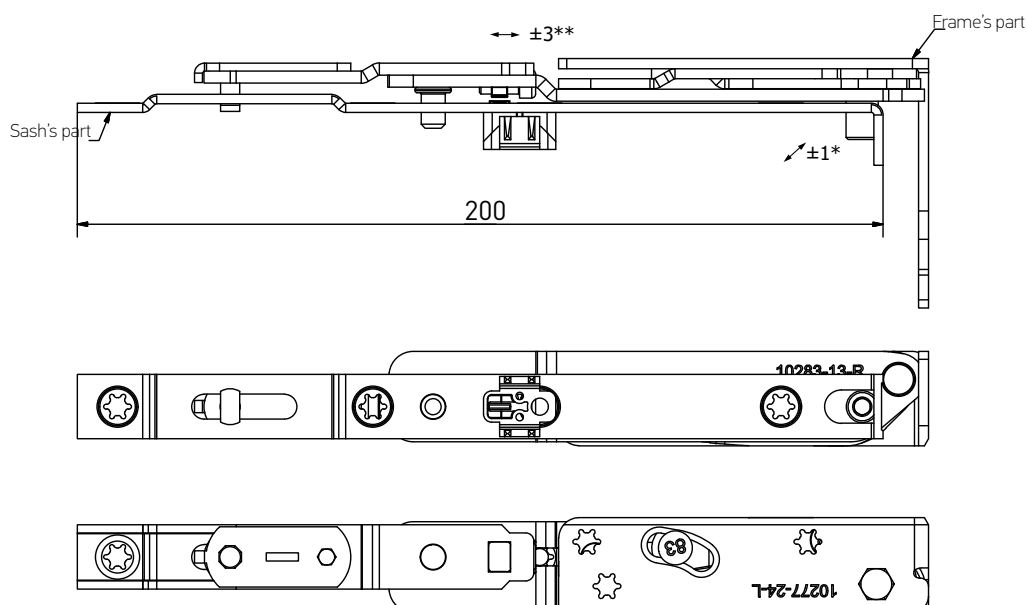
A - sash rebate gap / C - sash overlap / B - sash groove position



## Concealed side hung top hinge

Concealed stay arm system

### Concealed side hung top hinge for timber profile



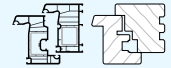
– Sash rebate gap min. 12 mm!

\* adjustment of gasket pressure, mm;

\*\* horizontal adjustment, mm.

| Description                                                    | SRW (mm) | Side opening | A  | C | B  | kg  |    |    | Part No.     |
|----------------------------------------------------------------|----------|--------------|----|---|----|-----|----|----|--------------|
| Concealed side hung top hinge for timber profile, 9 mm, left   | 320-1280 | L            | 12 | — | 9  | 130 | 10 | 10 | A5024-09-L03 |
| Concealed side hung top hinge for timber profile, 9 mm, right  | 320-1280 | R            | 12 | — | 9  | 130 | 10 | 10 | A5024-09-R03 |
| Concealed side hung top hinge for timber profile, 13 mm, left  | 320-1280 | L            | 12 | — | 13 | 130 | 10 | 10 | A5024-13-L03 |
| Concealed side hung top hinge for timber profile, 13 mm, right | 320-1280 | R            | 12 | — | 13 | 130 | 10 | 10 | A5024-13-R03 |
| Description                                                    | SRW (mm) | Side opening | A  | C | B  | kg  |    |    | Part No.     |
| Template for drilling, concealed hinges group, 24 mm           | —        | L/R          | —  | — | —  | —   | Ø3 | —  | A7145-01-N03 |

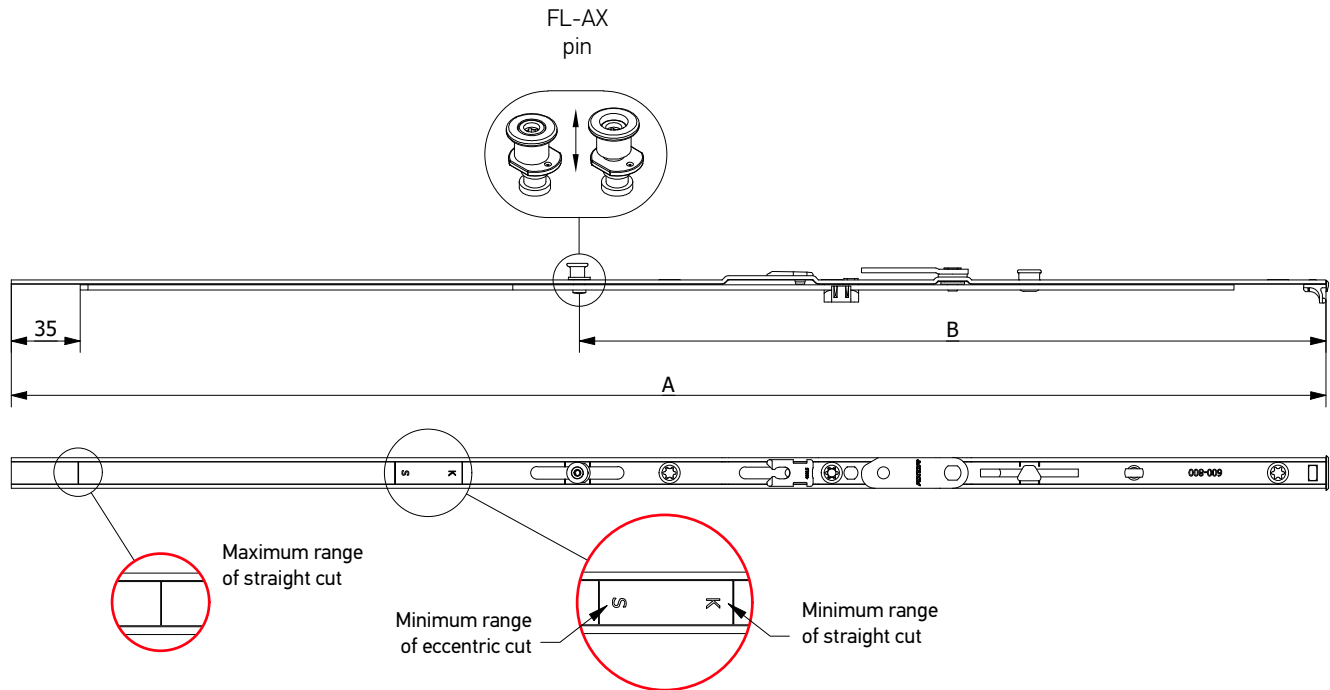
A - sash rebate gap / C - sash overlap / B - sash groove position



## Stay arm, sash part

Concealed stay arm system

### Stay arm, sash part, FL-AX pin



- for 18-22 mm sash overlap;
- sash rebate gap min. 12 mm.

| Description                                        | SRW (mm)  | Dimensions |     |  |  |  |  | Part No.     |
|----------------------------------------------------|-----------|------------|-----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------|
|                                                    |           | A          | B   |                                                                                     |                                                                                      |                                                                                       |                                                                                       |              |
| Stay arm, sash part 685 mm, left, 600-800, 1FX     | 600-800   | 685        | 390 | 1                                                                                   | 130                                                                                  | 3                                                                                     | 20                                                                                    | K3040-07-L03 |
| Stay arm, sash part 685 mm, right, 600-800, 1FX    | 600-800   | 685        | 390 | 1                                                                                   | 130                                                                                  | 3                                                                                     | 20                                                                                    | K3040-07-R03 |
| Stay arm, sash part 925 mm, left, 801-1040, 1FX    | 801-1040  | 925        | 537 | 1                                                                                   | 130                                                                                  | 6                                                                                     | 10                                                                                    | K3040-09-L03 |
| Stay arm, sash part 925 mm, right, 801-1040, 1FX   | 801-1040  | 925        | 537 | 1                                                                                   | 130                                                                                  | 6                                                                                     | 10                                                                                    | K3040-09-R03 |
| Stay arm, sash part 1165 mm, left, 1041-1280, 1FX  | 1041-1280 | 1165       | 624 | 1                                                                                   | 130                                                                                  | 7                                                                                     | 10                                                                                    | K3040-12-L03 |
| Stay arm, sash part 1165 mm, right, 1041-1280, 1FX | 1041-1280 | 1165       | 624 | 1                                                                                   | 130                                                                                  | 7                                                                                     | 10                                                                                    | K3040-12-R03 |

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Additional elements

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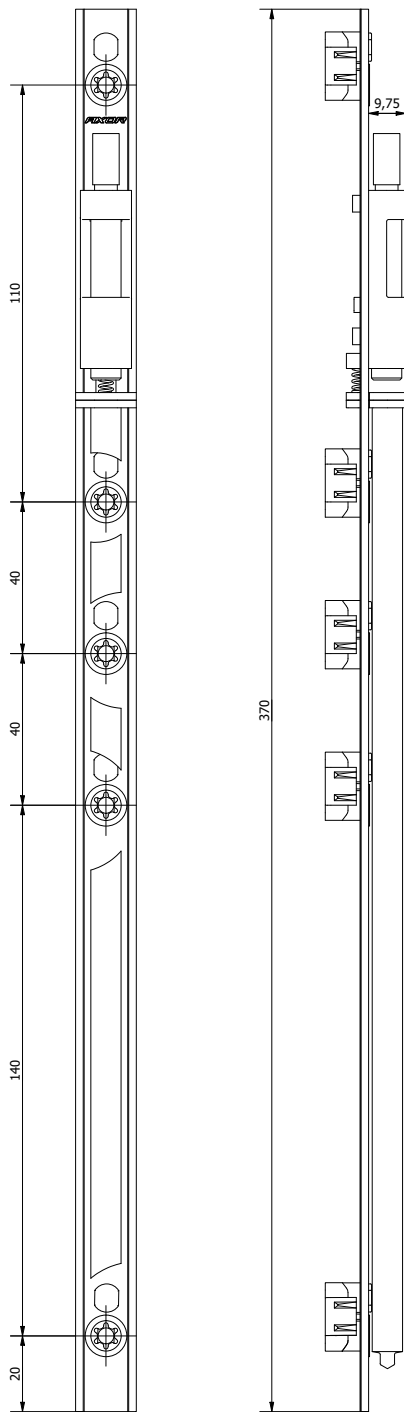


# The load transfer device

Additional elements

## The load transfer device

For a sash weight of 100 kg or more, it is necessary to use the load transfer device (part number A7202-00-N03).  
The load transfer device installation is mandatory for sashes weighing 130 kg or more.



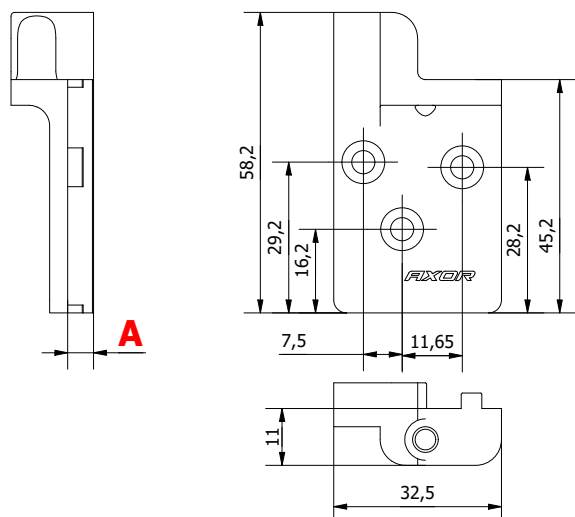
| Description                                                | Side opening |  |  | Part No.     |
|------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------|
| The load transfer device for concealed hinge group, 370 mm | L/R          | 5                                                                                     |                                                                                       | A7202-00-N03 |



## A frame part of load transfer device

Additional elements

### A frame part of load transfer device



A – depth of the mounting seat on the frame

| Description                                       | A, mm | Profile                         | Side opening |  |  | Part No.     |
|---------------------------------------------------|-------|---------------------------------|--------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------|
| A frame part of load transfer device, 3 mm, left  | 3     | WDS<br>Veka soft line AD        | L            | 2                                                                                     | 100                                                                                   | A7253-00-L03 |
| A frame part of load transfer device, 3 mm, right | 3     | WDS, Veka soft line AD          | R            | 2                                                                                     | 100                                                                                   | A7253-00-R03 |
| A frame part of load transfer device, 4 mm, left  | 4     | Decco<br>GEALAN<br>REHAU Sinego | L            | 2                                                                                     | 100                                                                                   | A7254-00-L03 |
| A frame part of load transfer device, 4 mm, right | 4     | Decco<br>GEALAN<br>REHAU Sinego | R            | 2                                                                                     | 100                                                                                   | A7254-00-R03 |
| A frame part of load transfer device, 5 mm, left  | 5     | Aluplast<br>4000/8000/7000      | L            | 2                                                                                     | 100                                                                                   | A7227-00-L03 |
| A frame part of load transfer device, 5 m, right  | 5     | Aluplast<br>4000/8000/7000      | R            | 2                                                                                     | 100                                                                                   | A7227-00-R03 |

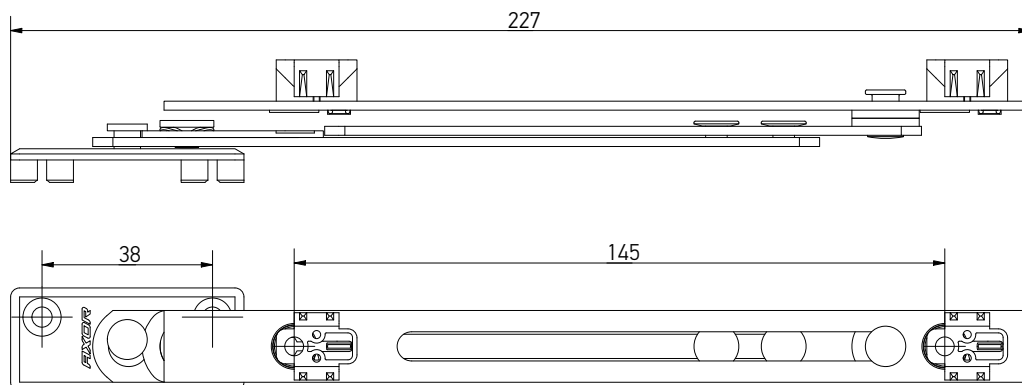


## Turn restrictor

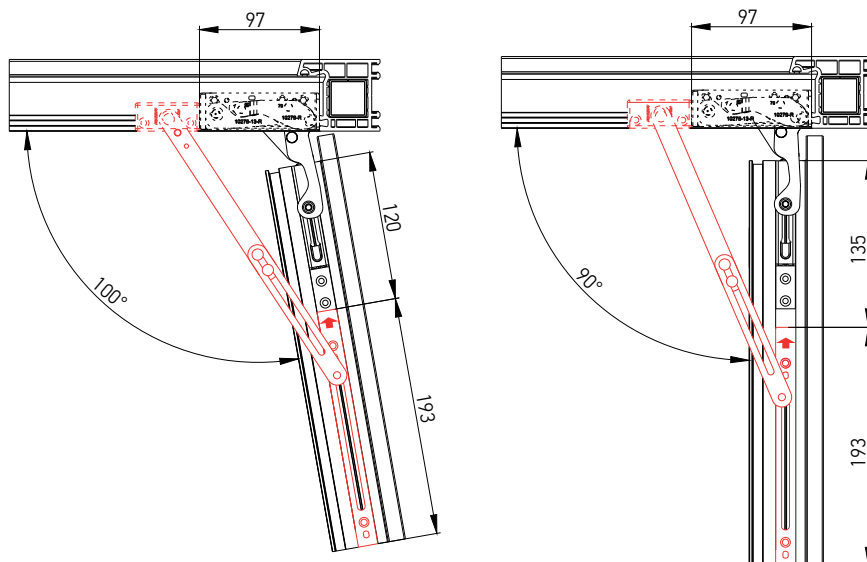
Additional elements

### Stroke limiter

For window and door units with sashes that open to 90° or more, a turn restrictor must be used, provided that the window or door reveal allows for it.



### Possible mounting options with concealed hinges



#### Description

Turn restrictor



4



100



50

#### Part No.

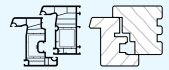
A7110-00-N03

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Hardware overviews

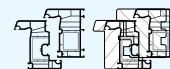
AXOR



## Section content

Hardware overviews

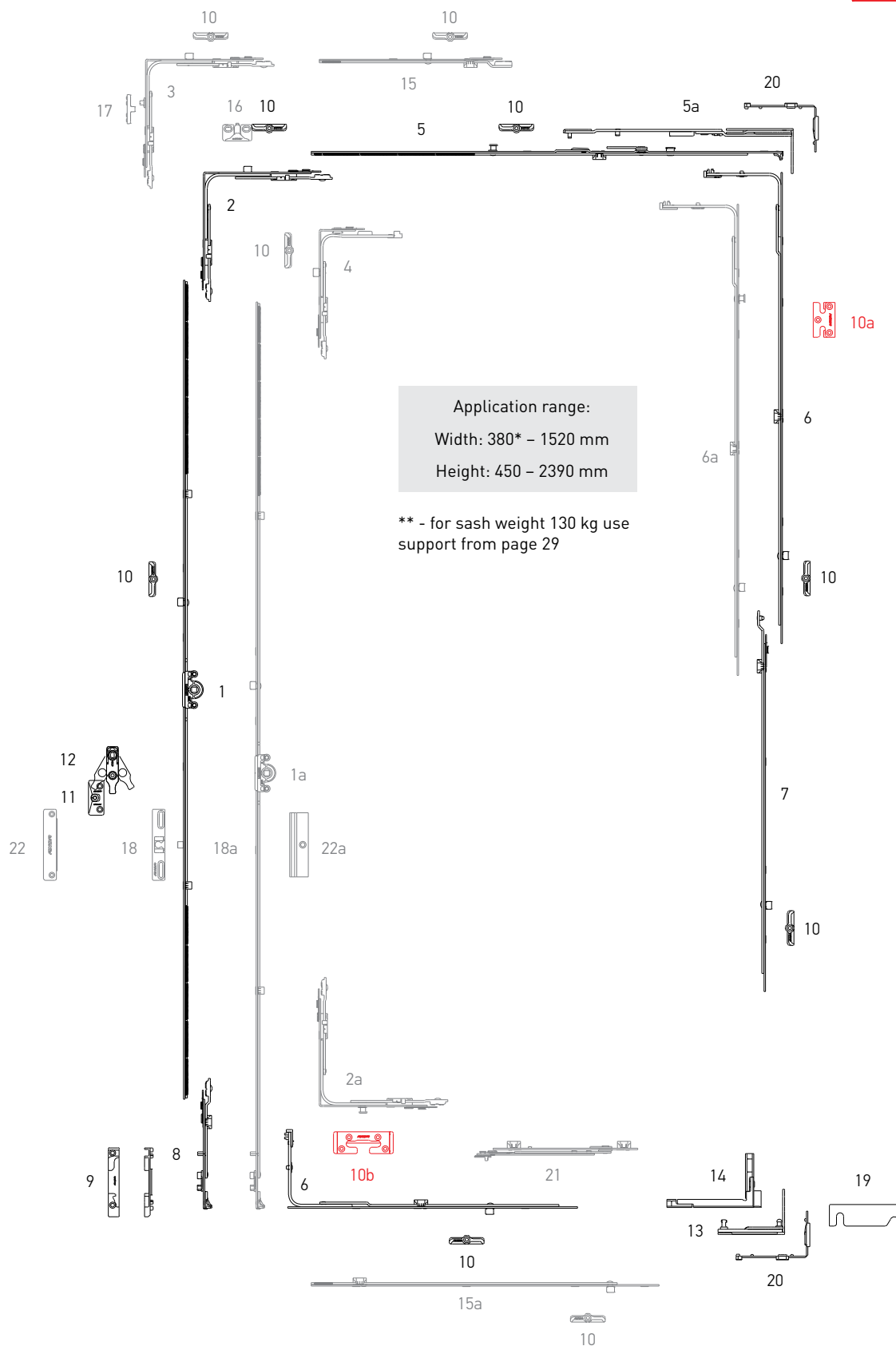
|                                          | Pages |
|------------------------------------------|-------|
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| Tilt and turn set "First Tilt"           | 29    |
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| Turn set                                 | 34    |
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| Double sash set                          | 39    |
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| Advanced tilt set 13 system              | 89    |
| Tilt set 13 system                       | 80    |
| Double sash set 13 system                | 92    |
| Double sash set "First Tilt" 13 system   | 96    |



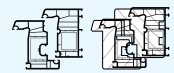
# Tilt and turn set

## Hardware overviews

### K-3 System. Tilt and turn set



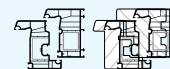
\* – with narrow corner transmission



## Tilt and turn set

### Hardware overviews

| Nº | Description                                                    | Application range<br>by width | Application range<br>by height | Part No.     |
|----|----------------------------------------------------------------|-------------------------------|--------------------------------|--------------|
| 1  | Gear variable 0, L=250, 450-550                                | –                             | 450-550                        | K1001-02-N03 |
|    | Gear variable 1, L=450, 551-750                                | –                             | 551-750                        | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                         | –                             | 751-1230                       | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                        | –                             | 950-1430                       | K1001-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML                       | –                             | 1231-1710                      | K1001-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                       | –                             | 1431-1910                      | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                       | –                             | 1911-2390                      | K1001-21-N03 |
| 1a | Constant tilt-turn gear 0, L=400, G=140, 370-550**             | –                             | 370-550                        | K1004-04-N03 |
|    | Constant tilt-turn gear 1, L=350, G=175, 400-500**             | –                             | 400-500                        | K1004-03-N03 |
|    | Constant tilt-turn gear 2, L=530, G=200, 380-680**             | –                             | 380-680                        | K1004-05-N03 |
|    | Constant tilt-turn gear 3, L=770, G=300, 681-920**             | –                             | 681-920                        | K1004-08-N03 |
|    | Constant tilt-turn gear 4, L=1010, G=450, 921-1160**           | –                             | 921-1160                       | K1004-10-N03 |
|    | Constant tilt-turn gear 5, L=1250, G=600, 1161-1400**          | –                             | 1161-1400                      | K1004-12-N03 |
|    | Constant tilt-turn gear 6, L=1490, G=600, 1401-1640**          | –                             | 1401-1640                      | K1004-15-N03 |
|    | Constant tilt-turn gear 7, L=1730, G=600, 1641-1880**          | –                             | 1641-1880                      | K1004-17-N03 |
|    | Constant tilt-turn gear 8, L=1730, G=1000, 1641-1880**         | –                             | 1641-1880                      | K1004-18-N03 |
|    | Constant tilt-turn gear 9, L=1970, G=1000, 1881-2120**         | –                             | 1881-2120                      | K1004-20-N03 |
|    | Constant tilt-turn gear 10, L=2210, G=1000, 2121-2360**        | –                             | 2121-2360                      | K1004-22-N03 |
| 2  | Corner transmission 150x150                                    | 480-1280                      | 450-2390                       | K2001-00-N03 |
| 2a | Corner transmission 150x150 security                           | 480-1280                      | 450-2390                       | K2005-00-N03 |
| 3  | Corner transmission, integrated slit, left                     | 480-1280                      | 450-2390                       | K2004-00-L03 |
|    | Corner transmission, integrated slit, right                    | 480-1280                      | 450-2390                       | K2004-00-R03 |
| 4  | Narrow corner transmission 50x150                              | 380-480                       | 450-2390                       | K2003-00-N03 |
|    |                                                                | 480-680                       | 370-550*                       |              |
| 5  | Concealed stay arm connecting plate 1 L=530, 480-680, left     | 480-680                       | –                              | K3030-06-L03 |
|    | Concealed stay arm connecting plate 1 L=530, 480-680, right    | 480-680                       | –                              | K3030-06-R03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, left     | 600-800                       | –                              | K3030-07-L03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, right    | 600-800                       | –                              | K3030-07-R03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, left    | 801-1040                      | –                              | K3030-09-L03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, right   | 801-1040                      | –                              | K3030-09-R03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, left  | 1041-1280                     | –                              | K3030-12-L03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, right | 1041-1280                     | –                              | K3030-12-R03 |
| 5a | Concealed stay arm PVC, 13 mm, 480-800, left                   | 480-800                       | –                              | A3001-02-L03 |
|    | Concealed stay arm PVC, 13 mm, 480-800, right                  | 480-800                       | –                              | A3001-02-R03 |
|    | Concealed stay arm PVC, 13 mm, 801-1040, left                  | 801-1040                      | –                              | A3001-03-L03 |
|    | Concealed stay arm PVC, 13 mm, 801-1040, right                 | 801-1040                      | –                              | A3001-03-R03 |
|    | Concealed stay arm PVC, 13 mm, 1041-1280, left                 | 1041-1280                     | –                              | A3001-04-L03 |
|    | Concealed stay arm PVC, 13 mm, 1041-1280, right                | 1041-1280                     | –                              | A3001-04-R03 |
|    | Concealed stay arm PVC, 9 mm, 480-800, left                    | 480-800                       | –                              | A3002-02-L03 |
|    | Concealed stay arm PVC, 9 mm, 480-800, right                   | 480-800                       | –                              | A3002-02-R03 |
|    | Concealed stay arm PVC, 9 mm, 801-1040, left                   | 801-1040                      | –                              | A3002-03-L03 |
|    | Concealed stay arm PVC, 9 mm, 801-1040, right                  | 801-1040                      | –                              | A3002-03-R03 |
|    | Concealed stay arm PVC, 9 mm, 1041-1280, left                  | 1041-1280                     | –                              | A3002-04-L03 |
|    | Concealed stay arm PVC, 9 mm, 1041-1280, right                 | 1041-1280                     | –                              | A3002-04-R03 |



## Tilt and turn set

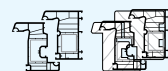
### Hardware overviews

| Nº  | Description                                     | Application range<br>by width | Application range<br>by height | Part No.     |
|-----|-------------------------------------------------|-------------------------------|--------------------------------|--------------|
| 6   | Middle lock L=400, 2 ML                         | 600-1000                      | 600-1000                       | K4004-04-N03 |
|     | Middle lock L=650, 2 ML                         | 850-1250                      | 850-1250                       | K4004-06-N03 |
|     | Middle lock L=720, 2 ML                         | 920-1320                      | 920-1320                       | K4004-07-N03 |
|     | Middle lock L=820, 2 ML                         | 1251-1430                     | 1251-1430                      | K4004-08-N03 |
|     | Middle lock L=1130, 3 ML                        | –                             | 1251-1730                      | K4004-11-N03 |
| 6a  | Middle lock L=400, 1MR + 1 ML                   | 600-1000                      | 600-1000                       | K4008-04-N03 |
|     | Middle lock L=650, 1MR + 1 ML                   | 850-1250                      | 850-1250                       | K4008-06-N03 |
|     | Middle lock L=820, 1MR + 1 ML                   | 1251-1430                     | 1251-1430                      | K4008-08-N03 |
|     | Middle lock L=1130, 1MR + 2 ML                  | –                             | 1251-1730                      | K4008-11-N03 |
| 7   | Middle lock extension 480 mm                    | –                             | 1710-2210                      | K4005-05-N03 |
|     | Middle lock extension 680 mm                    | –                             | 2211-2390                      | K4005-07-N03 |
| 8   | Bottom extension                                | –                             | 450-800                        | K4009-00-N03 |
|     |                                                 | –                             | 801-2390                       | K4002-00-N03 |
| 9   | Tilt locking plate, right                       | –                             | –                              | ***          |
|     | Tilt locking plate, left                        | –                             | –                              | ***          |
| 10  | Locking plate                                   | –                             | –                              | ***          |
| 10a | Locking plate safety                            | –                             | –                              | ***          |
| 10b | Tilt locking plate safety                       | –                             | –                              | ***          |
| 11  | Lifting plate                                   | –                             | 751-2390                       | ***          |
| 12  | Wrong operation safety device with sash lifter  | –                             | 751-2390                       | A7001-00-N03 |
| 13  | Concealed bottom hinge PVC, 9 mm, left          | –                             | –                              | A5025-09-L03 |
|     | Concealed bottom hinge PVC, 9 mm, right         | –                             | –                              | A5025-09-R03 |
|     | Concealed bottom hinge PVC, 13 mm, left         | –                             | –                              | A5025-13-L03 |
|     | Concealed bottom hinge PVC, 13 mm, right        | –                             | –                              | A5025-13-R03 |
| 14  | Concealed bottom sash hinge, 9 mm, left         | –                             | –                              | A5027-09-L03 |
|     | Concealed bottom sash hinge, 9 mm, right        | –                             | –                              | A5027-09-R03 |
|     | Concealed bottom sash hinge, 13 mm, left        | –                             | –                              | A5027-13-L03 |
|     | Concealed bottom sash hinge, 13 mm, right       | –                             | –                              | A5027-13-R03 |
| 15  | Extension lock 240 mm                           | –                             | –                              | K4003-02-N03 |
| 15a | Extension lock for corner transmission L=480 mm | –                             | –                              | K4010-00-N03 |
| 16  | Locking plate, integrated slit                  | –                             | –                              | ***          |
| 17  | Locking plate for integrated slit (frame part)  | –                             | –                              | ***          |
| 18  | Balcony catch                                   | –                             | –                              | A7184-13-N03 |
| 18a | Balcony locking pin                             | –                             | –                              | A7207-00-N03 |
| 19  | Concealed bottom hinge cover, left              | –                             | –                              | A7141-00-L03 |
|     | Concealed bottom hinge cover, right             | –                             | –                              | A7141-00-R03 |
| 20  | Concealed hinge packer, 13 mm, left             | –                             | –                              | A7***-13-L03 |
|     | Concealed hinge packer, 13 mm, right            | –                             | –                              | A7***-13-R03 |
| 21  | Sash turning restrictor                         | –                             | –                              | A7110-00-N03 |
| 22  | Magnetic balcony catch, frame part              | –                             | –                              | A7053-00-N03 |
| 22a | Magnetic balcony catch, sash part               | –                             | –                              | A7055-*-N03  |

\* – with offset relative to center

\*\* – according to displacement axis of sash groove (9 mm, 10 mm, 13 mm, 14 mm)

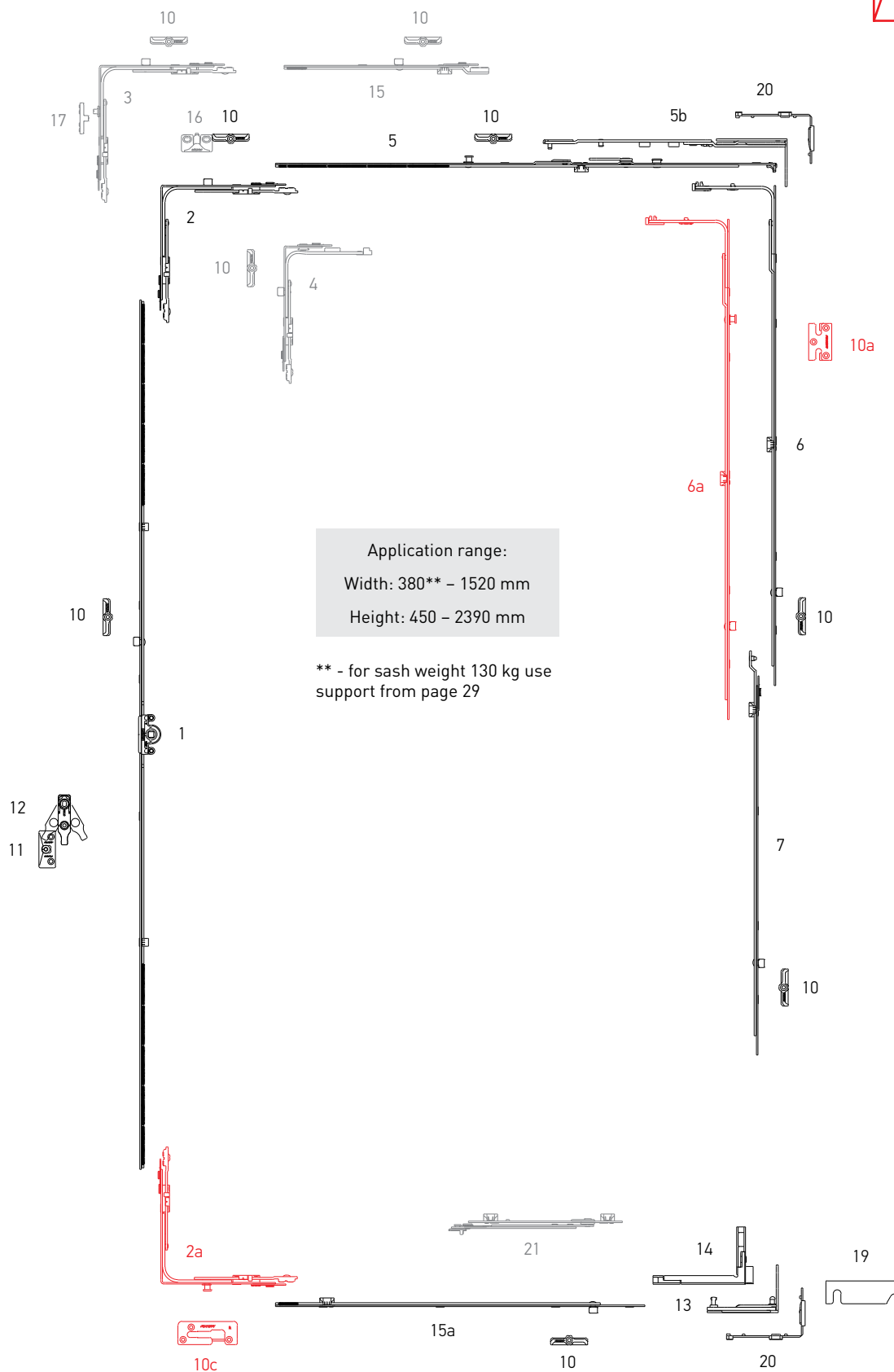
\*\*\* – see the section "Profile-dependent elements" of catalogues KOMFORT LINE K-3 or ELITE+



## Tilt and turn set “First Tilt”\*

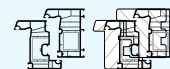
Hardware overviews

K-3 System. Tilt and turn set “First Tilt”\*



\* – tilt before turning

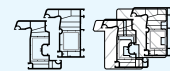
\*\* - with narrow corner transmission



## Tilt and turn set “First Tilt”

### Hardware overviews

| Nº | Description                                                    | Application range<br>by width | Application range<br>by height | Part No.     |
|----|----------------------------------------------------------------|-------------------------------|--------------------------------|--------------|
| 1  | Gear variable 0, L=250, 450-550                                | –                             | 450-550                        | K1001-02-N03 |
|    | Gear variable 1, L=450, 551-750                                | –                             | 551-750                        | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                         | –                             | 751-1230                       | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                        | –                             | 950-1430                       | K1001-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML                       | –                             | 1231-1710                      | K1001-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                       | –                             | 1431-1910                      | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                       | –                             | 1911-2390                      | K1001-21-N03 |
| 2  | Corner transmission 150x150                                    | 480-1280                      | 450-2390                       | K2001-00-N03 |
| 2a | Corner transmission 150x150 security                           | 480-1280                      | 450-2390                       | K2005-00-N03 |
| 3  | Corner transmission, integrated slit, left                     | 480-1280                      | 450-2390                       | K2004-00-L03 |
|    | Corner transmission, integrated slit, right                    | 480-1280                      | 450-2390                       | K2004-00-R03 |
| 4  | Narrow corner transmission 50x150                              | 380-480                       | 450-2390                       | K2003-00-N03 |
|    |                                                                | 480-680                       | 370-550*                       |              |
| 5  | Concealed stay arm connecting plate 1 L=530, 480-680, left     | 480-680                       | –                              | K3030-06-L03 |
|    | Concealed stay arm connecting plate 1 L=530, 480-680, right    | 480-680                       | –                              | K3030-06-R03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, left     | 600-800                       | –                              | K3030-07-L03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, right    | 600-800                       | –                              | K3030-07-R03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, left    | 801-1040                      | –                              | K3030-09-L03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, right   | 801-1040                      | –                              | K3030-09-R03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, left  | 1041-1280                     | –                              | K3030-12-L03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, right | 1041-1280                     | –                              | K3030-12-R03 |
| 5b | Concealed stay arm “First Tilt” PVC, 13 mm, 480-800, left      | 480-800                       | –                              | A3005-02-L03 |
|    | Concealed stay arm “First Tilt” PVC, 13 mm, 480-800, right     | 480-800                       | –                              | A3005-02-R03 |
|    | Concealed stay arm “First Tilt” PVC, 13 mm, 801-1040, left     | 801-1040                      | –                              | A3005-03-L03 |
|    | Concealed stay arm “First Tilt” PVC, 13 mm, 801-1040, right    | 801-1040                      | –                              | A3005-03-R03 |
|    | Concealed stay arm “First Tilt” PVC, 13 mm, 1041-1280, left    | 1041-1280                     | –                              | A3005-04-L03 |
|    | Concealed stay arm “First Tilt” PVC, 13 mm, 1041-1280, right   | 1041-1280                     | –                              | A3005-04-R03 |
|    | Concealed stay arm “First Tilt” PVC, 9 mm, 480-800, left       | 480-800                       | –                              | A3006-02-L03 |
|    | Concealed stay arm “First Tilt” PVC, 9 mm, 480-800, right      | 480-800                       | –                              | A3006-02-R03 |
|    | Concealed stay arm “First Tilt” PVC, 9 mm, 801-1040, left      | 801-1040                      | –                              | A3006-03-L03 |
|    | Concealed stay arm “First Tilt” PVC, 9 mm, 801-1040, right     | 801-1040                      | –                              | A3006-03-R03 |
|    | Concealed stay arm “First Tilt” PVC, 9 mm, 1041-1280, left     | 1041-1280                     | –                              | A3006-04-L03 |
|    | Concealed stay arm “First Tilt” PVC, 9 mm, 1041-1280, right    | 1041-1280                     | –                              | A3006-04-R03 |
| 6  | Middle lock L=400, 2 ML                                        | 600-1000                      | 600-1000                       | K4004-04-N03 |
|    | Middle lock L=650, 2 ML                                        | 850-1250                      | 850-1250                       | K4004-06-N03 |
|    | Middle lock L=720, 2 ML                                        | 920-1320                      | 920-1320                       | K4004-07-N03 |
|    | Middle lock L=820, 2 ML                                        | 1251-1430                     | 1251-1430                      | K4004-08-N03 |
|    | Middle lock L=1130, 3 ML                                       | –                             | 1251-1730                      | K4004-11-N03 |



## Tilt and turn set “First Tilt”

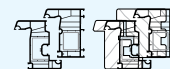
### Hardware overviews

| Nº  | Description                                     | Application range<br>by width | Application range<br>by height | Part No.     |
|-----|-------------------------------------------------|-------------------------------|--------------------------------|--------------|
| 6a  | Middle lock L=400, 1MR + 1 ML                   | 600-1000                      | 600-1000                       | K4008-04-N03 |
|     | Middle lock L=650, 1MR + 1 ML                   | 850-1250                      | 850-1250                       | K4008-06-N03 |
|     | Middle lock L=820, 1MR + 1 ML                   | 1251-1430                     | 1251-1430                      | K4008-08-N03 |
|     | Middle lock L=1130, 1MR + 2 ML                  | –                             | 1251-1730                      | K4008-11-N03 |
| 7   | Middle lock extension L=480                     | –                             | 850-1230                       | K4005-05-N03 |
|     | Middle lock extension L=680                     | –                             | 1231-1430                      | K4005-07-N03 |
| 10  | Locking plate                                   | –                             | –                              | ***          |
| 10a | Locking plate safety                            | –                             | –                              | ***          |
| 10c | Tilt locking plate, “First Tilt”, left / right  | –                             | –                              | ***          |
| 11  | Lifting plate                                   | –                             | –                              | ***          |
| 12  | Wrong operation safety device with sash lifter  | –                             | 751-2390                       | A7001-00-N03 |
| 13  | Concealed bottom hinge PVC, 9 mm, left          | –                             | –                              | A5025-09-L03 |
|     | Concealed bottom hinge PVC, 9 mm, right         | –                             | –                              | A5025-09-R03 |
|     | Concealed bottom hinge PVC, 13 mm, left         | –                             | –                              | A5025-13-L03 |
|     | Concealed bottom hinge PVC, 13 mm, right        | –                             | –                              | A5025-13-R03 |
| 14  | Concealed bottom sash hinge, 9 mm, left         | –                             | –                              | A5027-09-L03 |
|     | Concealed bottom sash hinge, 9 mm, right        | –                             | –                              | A5027-09-R03 |
|     | Concealed bottom sash hinge, 13 mm, left        | –                             | –                              | A5027-13-L03 |
|     | Concealed bottom sash hinge, 13 mm, right       | –                             | –                              | A5027-13-R03 |
| 15  | Extension lock 240 mm                           | –                             | –                              | K4003-02-N03 |
| 15a | Extension lock for corner transmission L=480 mm | –                             | –                              | K4010-00-N03 |
| 16  | Locking plate, integrated slit                  | –                             | –                              | ***          |
| 17  | Locking plate for integrated slit (frame part)  | –                             | –                              | ***          |
| 19  | Concealed bottom hinge cover, left              | –                             | –                              | A7141-00-L03 |
|     | Concealed bottom hinge cover, right             | –                             | –                              | A7141-00-R03 |
| 20  | Concealed hinge packer, 13 mm, left             | –                             | –                              | A7***-13-L03 |
|     | Concealed hinge packer, 13 mm, right            | –                             | –                              | A7***-13-R03 |
| 21  | Sash turning restrictor                         | –                             | –                              | A7110-00-N03 |

\* – with offset relative to center

\*\* – according to displacement axis of sash groove (9 mm, 10 mm, 13 mm, 14 mm)

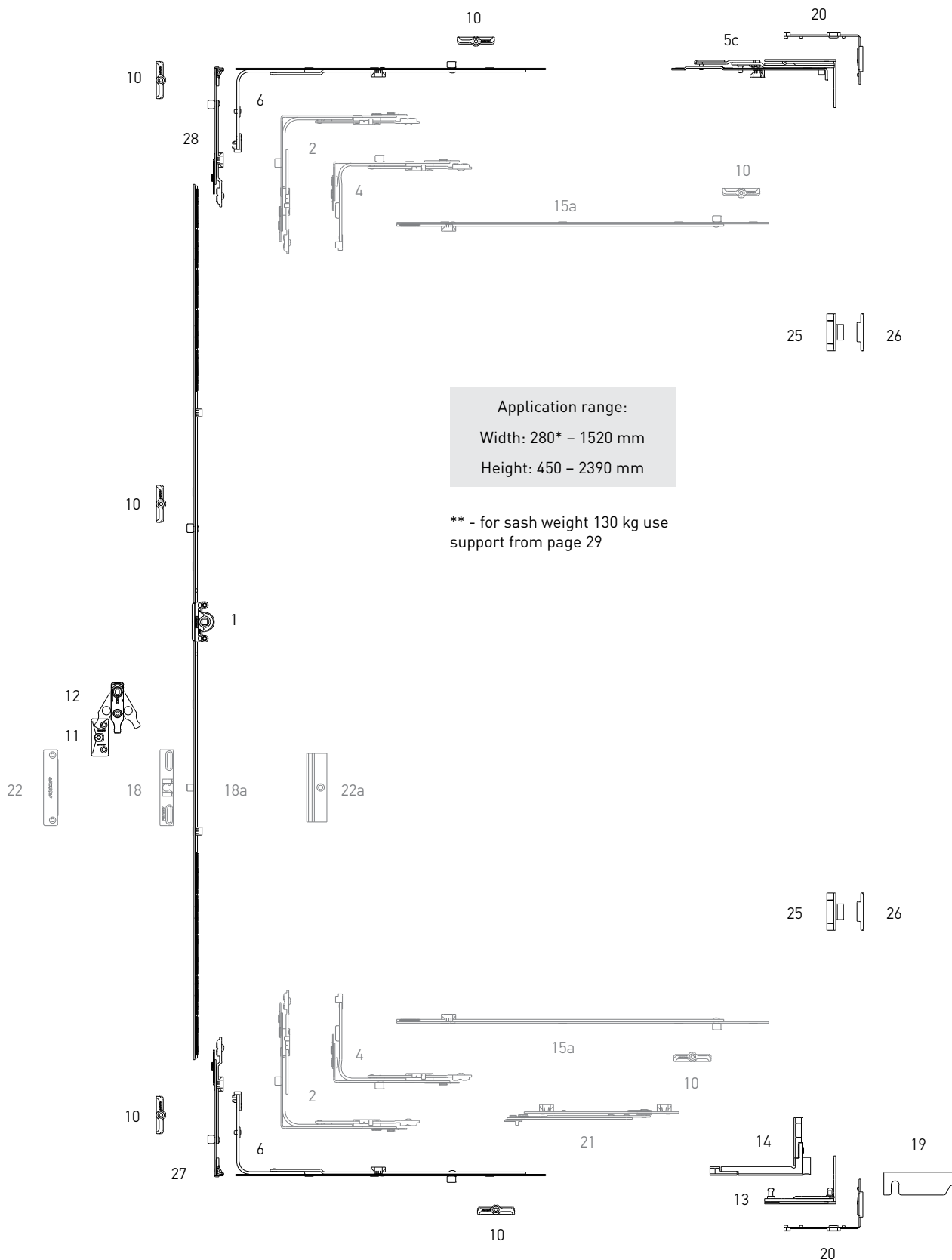
\*\*\* – see the section “Profile-dependent elements” of catalogues KOMFORT LINE K-3 or ELITE+



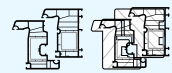
# Turn set

## Hardware overviews

### K-3 System. Turn set



\* without using of middle lock



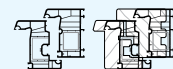
## Turn set

### Hardware overviews

| Nº  | Description                                     | Application range<br>by width | Application range<br>by height | Part No.     |
|-----|-------------------------------------------------|-------------------------------|--------------------------------|--------------|
| 1   | Gear variable 0, L=250, 450-550                 | –                             | 450-550                        | K1001-02-N03 |
|     | Gear variable 1, L=450, 551-750                 | –                             | 551-750                        | K1001-04-N03 |
|     | Gear variable 2, L=930, 751-1230, 1 ML          | –                             | 751-1230                       | K1001-09-N03 |
|     | Gear variable 3, L=1130, 950-1430, 1 ML         | –                             | 950-1430                       | K1001-11-N03 |
|     | Gear variable 4, L=1410, 1231-1710, 2 ML        | –                             | 1231-1710                      | K1001-14-N03 |
|     | Gear variable 5, L=1610, 1431-1910, 2 ML        | –                             | 1431-1910                      | K1001-16-N03 |
|     | Gear variable 6, L=2090, 1911-2390, 3 ML        | –                             | 1911-2390                      | K1001-21-N03 |
| 2   | Corner transmission 150x150                     | 480-1280                      | 450-2390                       | K2001-00-N03 |
| 4   | Narrow corner transmission 50x150               | 380-480                       | 450-2390                       | K2003-00-N03 |
|     |                                                 | 480-680                       | 350-550                        |              |
| 5c  | Concealed side hung top hinge PVC, 9 mm, left   | –                             | –                              | A5023-09-L03 |
|     | Concealed side hung top hinge PVC, 9 mm, right  | –                             | –                              | A5023-09-R03 |
|     | Concealed side hung top hinge PVC, 13 mm, left  | –                             | –                              | A5023-13-L03 |
|     | Concealed side hung top hinge PVC, 13 mm, right | –                             | –                              | A5023-13-R03 |
| 6   | Middle lock L=400, 1 ML                         | 600-1000                      | 600-1000                       | K4001-04-N03 |
|     | Middle lock L=650, 1 ML                         | 850-1250                      | 850-1250                       | K4001-06-N03 |
|     | Middle lock L=720, 1 ML                         | 920-1320                      | 920-1320                       | K4001-07-N03 |
|     | Middle lock L=820, 2 ML                         | 1251-1430                     | 1251-1430                      | K4001-08-N03 |
|     | Middle lock L=1130, 2 ML                        | –                             | 1251-1730                      | K4001-11-N03 |
| 10  | Locking plate                                   | –                             | –                              | **           |
| 11  | Lifting plate                                   | –                             | 751-2390                       | **           |
| 12  | Wrong operation safety device with sash lifter  | –                             | 751-2390                       | A7001-00-N03 |
| 13  | Concealed bottom hinge PVC, 9 mm, left          | –                             | –                              | A5025-09-L03 |
|     | Concealed bottom hinge PVC, 9 mm, right         | –                             | –                              | A5025-09-R03 |
|     | Concealed bottom hinge PVC, 13 mm, left         | –                             | –                              | A5025-13-L03 |
|     | Concealed bottom hinge PVC, 13 mm, right        | –                             | –                              | A5025-13-R03 |
| 14  | Concealed bottom sash hinge, 9 mm, left         | –                             | –                              | A5027-09-L03 |
|     | Concealed bottom sash hinge, 9 mm, right        | –                             | –                              | A5027-09-R03 |
|     | Concealed bottom sash hinge, 13 mm, left        | –                             | –                              | A5027-13-L03 |
|     | Concealed bottom sash hinge, 13 mm, right       | –                             | –                              | A5027-13-R03 |
| 15a | Extension lock for corner transmission L=480 mm | –                             | –                              | K4010-00-N03 |
| 18  | Balcony catch                                   | –                             | –                              | A7184-13-N03 |
| 18a | Balcony locking pin                             | –                             | –                              | A7207-00-N03 |
| 19  | Concealed bottom hinge cover, left              | –                             | –                              | A7141-00-L03 |
|     | Concealed bottom hinge cover, right             | –                             | –                              | A7141-00-R03 |
| 20  | Concealed hinge packer, 13 mm, left             | –                             | –                              | A7**-13-L03  |
|     | Concealed hinge packer, 13 mm, right            | –                             | –                              | A7**-13-R03  |
| 21  | Sash turning restrictor                         | –                             | –                              | A7110-00-N03 |
| 22  | Magnetic balcony catch, frame part              | –                             | –                              | A7053-00-N03 |
| 22a | Magnetic balcony catch, sash part               | –                             | –                              | A7055-*-N03  |
| 25  | Concealed middle hinge, sash part               | –                             | –                              | A7056-00-N03 |
| 26  | Concealed middle hinge, frame part              | –                             | –                              | A7057-*-N03  |
| 27  | Bottom extension for turn sash 90°              | –                             | –                              | K4007-00-N03 |
| 28  | Bottom extension for turn sash 180°             | –                             | –                              | K4011-00-N03 |

\* – according to displacement axis of sash groove (9 mm, 10 mm, 13 mm, 14 mm)

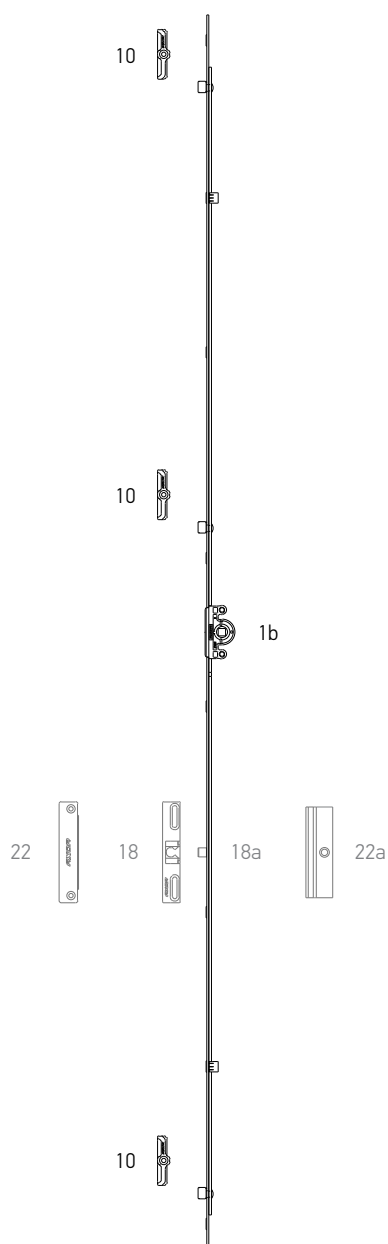
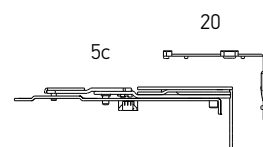
\*\* – see the section "Profile-dependent elements" of catalogues KOMFORT LINE K-3 or ELITE+



## Turn set

### Hardware overviews

#### K-3 System. Turn set

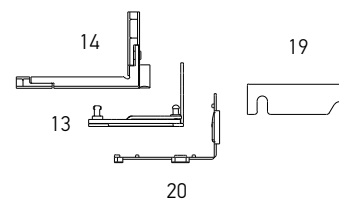
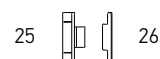
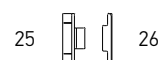


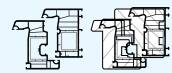
Application range:

Width: 280 – 700 mm

Height: 300 – 2400 mm

\* - for sash weight 130 kg use support from page 29





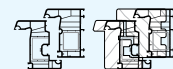
## Turn set

### Hardware overviews

| Nº  | Description                                     | Application range<br>by width | Application range<br>by height | Part No.      |
|-----|-------------------------------------------------|-------------------------------|--------------------------------|---------------|
| 1b  | Gear variable 1 L=300, 300 - 500, 2ML           | 380-700                       | 300-500                        | K1003-03-N03A |
|     | Gear variable 2 L=400, 401 - 600, 2ML           |                               | 401-600                        | K1003-04-N03A |
|     | Gear variable 3 L=600, 601 - 800, 2ML           |                               | 601-800                        | K1003-06-N03A |
|     | Gear variable 4 L=800, 801 - 1000, 2 ML         |                               | 801-1000                       | K1003-08-N03A |
|     | Gear variable 5 L=1000, 1001 - 1200, 3 ML       |                               | 1001-1200                      | K1003-10-N03A |
|     | Gear variable 6 L=1200, 1201 - 1400, 3ML        |                               | 1201-1400                      | K1003-12-N03A |
|     | Gear variable 7 L=1400, 1401 - 1600, 3ML        |                               | 1401-1600                      | K1003-14-N03A |
|     | Gear variable 8 L=1600, 1601 - 1800, 4ML        |                               | 1601-1800                      | K1003-16-N03A |
|     | Gear variable 9 L=1800, 1801 - 2000, 4ML        |                               | 1801-2000                      | K1003-18-N03A |
|     | Gear variable 10 L=2000, 2001 - 2200, 4ML       |                               | 2001-2200                      | K1003-20-N03A |
|     | Gear variable 11 L=2200, 2201 - 2400, 4ML       |                               | 2201-2400                      | K1003-22-N03A |
| 5c  | Concealed side hung top hinge PVC, 9 mm, left   | –                             | –                              | A5023-09-L03  |
|     | Concealed side hung top hinge PVC, 9 mm, right  | –                             | –                              | A5023-09-R03  |
|     | Concealed side hung top hinge PVC, 13 mm, left  | –                             | –                              | A5023-13-L03  |
|     | Concealed side hung top hinge PVC, 13 mm, right | –                             | –                              | A5023-13-R03  |
| 10  | Locking plate                                   | –                             | –                              | **            |
| 13  | Concealed bottom hinge PVC, 9 mm, left          | –                             | –                              | A5025-09-L03  |
|     | Concealed bottom hinge PVC, 9 mm, right         | –                             | –                              | A5025-09-R03  |
|     | Concealed bottom hinge PVC, 13 mm, left         | –                             | –                              | A5025-13-L03  |
|     | Concealed bottom hinge PVC, 13 mm, right        | –                             | –                              | A5025-13-R03  |
| 14  | Concealed bottom sash hinge, 9 mm, left         | –                             | –                              | A5027-09-L03  |
|     | Concealed bottom sash hinge, 9 mm, right        | –                             | –                              | A5027-09-R03  |
|     | Concealed bottom sash hinge, 13 mm, left        | –                             | –                              | A5027-13-L03  |
|     | Concealed bottom sash hinge, 13 mm, right       | –                             | –                              | A5027-13-R03  |
| 18  | Balcony catch                                   | –                             | –                              | A7184-13-N03  |
| 18a | Balcony locking pin                             | –                             | –                              | A7207-00-N03  |
| 19  | Concealed bottom hinge cover, left              | –                             | –                              | A7141-00-L03  |
|     | Concealed bottom hinge cover, right             | –                             | –                              | A7141-00-R03  |
| 20  | Concealed hinge packer, 13 mm, left             | –                             | –                              | A7**-13-L03   |
|     | Concealed hinge packer, 13 mm, right            | –                             | –                              | A7**-13-R03   |
| 22  | Magnetic balcony catch, frame part              | –                             | –                              | A7053-00-N03  |
| 22a | Magnetic balcony catch, sash part               | –                             | –                              | A7055-*-N03   |
| 25  | Concealed middle hinge, sash part               | –                             | –                              | A7056-00-N03  |
| 26  | Concealed middle hinge, frame part              | –                             | –                              | A7057-*-N03   |

\* – according to displacement axis of sash groove (9 mm, 10 mm, 13 mm, 14 mm)

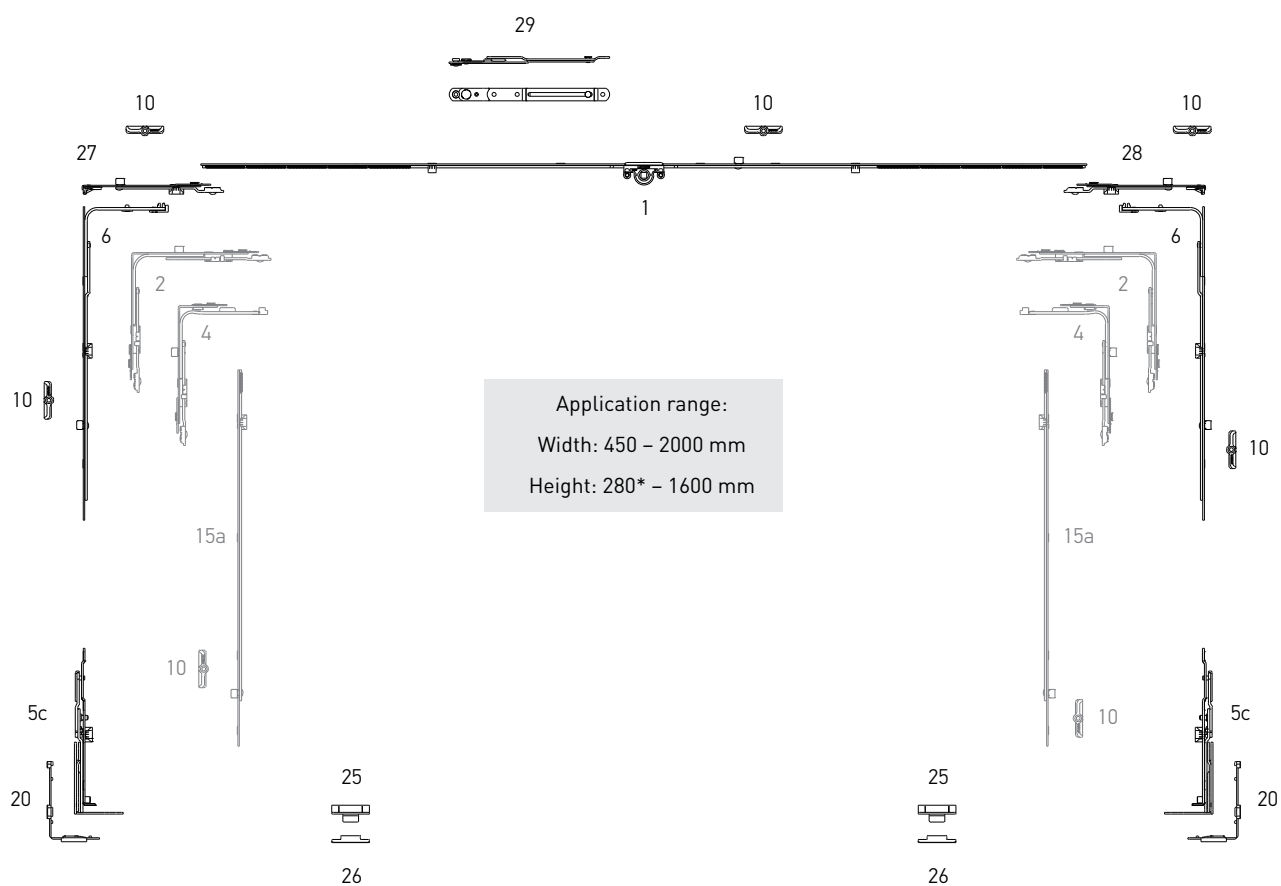
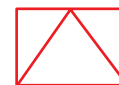
\*\* – see the section "Profile-dependent elements" of catalogues KOMFORT LINE K-3 or ELITE+



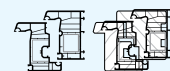
## Tilt set

### Hardware overviews

#### K-3 System. Tilt set



\* - without using of middle lock



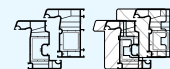
## Tilt set

### Hardware overviews

| Nº  | Description                                     | Application range<br>by width | Application range<br>by height | Part No.     |
|-----|-------------------------------------------------|-------------------------------|--------------------------------|--------------|
| 1   | Gear variable 0, L=250, 450-550                 | –                             | 450-550                        | K1001-02-N03 |
|     | Gear variable 1, L=450, 551-750                 | –                             | 551-750                        | K1001-04-N03 |
|     | Gear variable 2, L=930, 751-1230, 1 ML          | –                             | 751-1230                       | K1001-09-N03 |
|     | Gear variable 3, L=1130, 950-1430, 1 ML         | –                             | 950-1430                       | K1001-11-N03 |
|     | Gear variable 4, L=1410, 1231-1710, 2 ML        | –                             | 1231-1710                      | K1001-14-N03 |
|     | Gear variable 5, L=1610, 1431-1910, 2 ML        | –                             | 1431-1910                      | K1001-16-N03 |
|     | Gear variable 6, L=2090, 1911-2390, 3 ML        | –                             | 1911-2390                      | K1001-21-N03 |
| 2   | Corner transmission 150x150                     | 480-1280                      | 450-2390                       | K2001-00-N03 |
| 4   | Narrow corner transmission 50x150               | 380-480                       | 450-2390                       | K2003-00-N03 |
|     |                                                 | 480-680                       | 350-550                        |              |
| 5c  | Concealed side hung top hinge PVC, 9 mm, left   | –                             | –                              | A5023-09-L03 |
|     | Concealed side hung top hinge PVC, 9 mm, right  | –                             | –                              | A5023-09-R03 |
|     | Concealed side hung top hinge PVC, 13 mm, left  | –                             | –                              | A5023-13-L03 |
|     | Concealed side hung top hinge PVC, 13 mm, right | –                             | –                              | A5023-13-R03 |
| 6   | Middle lock L=400, 1 ML                         | –                             | 600-1000                       | K4001-04-N03 |
|     | Middle lock L=650, 1 ML                         | –                             | 850-1250                       | K4001-06-N03 |
|     | Middle lock L=720, 1 ML                         | –                             | 920-1320                       | K4001-07-N03 |
|     | Middle lock L=820, 1 ML                         | –                             | 1251-1430                      | K4001-08-N03 |
|     | Middle lock L=1130, 2 ML                        | –                             | 1251-1730                      | K4001-11-N03 |
| 10  | Locking plate                                   | –                             | –                              | **           |
| 15a | Extension lock for corner transmission L=480 mm | –                             | –                              | K4010-00-N03 |
| 20  | Concealed hinge packer, 13 mm, left             | –                             | –                              | A7**-13-L03  |
|     | Concealed hinge packer, 13 mm, right            | –                             | –                              | A7**-13-R03  |
| 25  | Concealed middle hinge, sash part               | –                             | –                              | A7056-00-N03 |
| 26  | Concealed middle hinge, frame part              | –                             | –                              | A7057-*-N03  |
| 27  | Bottom extension for turn sash 90°              | –                             | –                              | K4007-00-N03 |
| 28  | Bottom extension for turn sash 180°             | –                             | –                              | K4011-00-N03 |
| 29  | Tilt stay arm                                   | –                             | –                              | A7017-00-N03 |

\* – according to displacement axis of sash groove (9 mm, 10 mm, 13 mm, 14 mm)

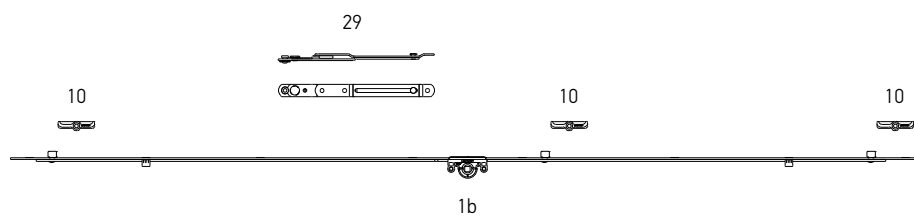
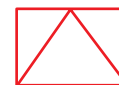
\*\* – see the section "Profile-dependent elements" of catalogues KOMFORT LINE K-3 or ELITE+



## Tilt set

### Hardware overviews

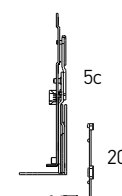
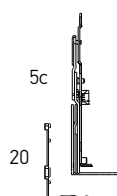
#### K-3 System. Tilt set



Application range:

Width: 300 – 2000 mm

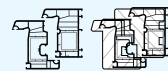
Height: 280 – 700 mm



| Nº | Description                                     | Application range<br>by width | Application range<br>by height | Part No.      |
|----|-------------------------------------------------|-------------------------------|--------------------------------|---------------|
| 1b | Gear variable 1 L=300, 300 - 500, 2ML           | 300-500                       | 280-700                        | K1003-03-N03A |
|    | Gear variable 2 L=400, 401 - 600, 2ML           | 401-600                       |                                | K1003-04-N03A |
|    | Gear variable 3 L=600, 601 - 800, 2ML           | 601-800                       |                                | K1003-06-N03A |
|    | Gear variable 4 L=800, 801 - 1000, 2 ML         | 801-1000                      |                                | K1003-08-N03A |
|    | Gear variable 5 L=1000, 1001 - 1200, 3 ML       | 1001-1200                     |                                | K1003-10-N03A |
|    | Gear variable 6 L=1200, 1201 - 1400, 3ML        | 1201-1400                     |                                | K1003-12-N03A |
|    | Gear variable 7 L=1400, 1401 - 1600, 3ML        | 1401-1600                     |                                | K1003-14-N03A |
|    | Gear variable 8 L=1600, 1601 - 1800, 4ML        | 1601-1800                     |                                | K1003-16-N03A |
|    | Gear variable 9 L=1800, 1801 - 2000, 4ML        | 1801-2000                     |                                | K1003-18-N03A |
|    | Gear variable 10 L=2000, 2001 - 2200, 4ML       | 2001-2200                     |                                | K1003-20-N03A |
|    | Gear variable 11 L=2200, 2201 - 2400, 4ML       | 2201-2400                     |                                | K1003-22-N03A |
| 5c | Concealed side hung top hinge PVC, 9 mm, left   | –                             | –                              | A5023-09-L03  |
|    | Concealed side hung top hinge PVC, 9 mm, right  | –                             | –                              | A5023-09-R03  |
|    | Concealed side hung top hinge PVC, 13 mm, left  | –                             | –                              | A5023-13-L03  |
|    | Concealed side hung top hinge PVC, 13 mm, right | –                             | –                              | A5023-13-R03  |
| 10 | Locking plate                                   | –                             | –                              | **            |
| 20 | Concealed hinge packer, 13 mm, left             | –                             | –                              | A7*-13-L03    |
|    | Concealed hinge packer, 13 mm, right            | –                             | –                              | A7*-13-R03    |
| 25 | Concealed middle hinge, sash part               | –                             | –                              | A7056-00-N03  |
| 26 | Concealed middle hinge, frame part              | –                             | –                              | A7057-*-N03   |
| 29 | Tilt stay arm                                   | –                             | –                              | A7017-00-N03  |

\* – according to displacement axis of sash groove (9 mm, 10 mm, 13 mm, 14 mm)

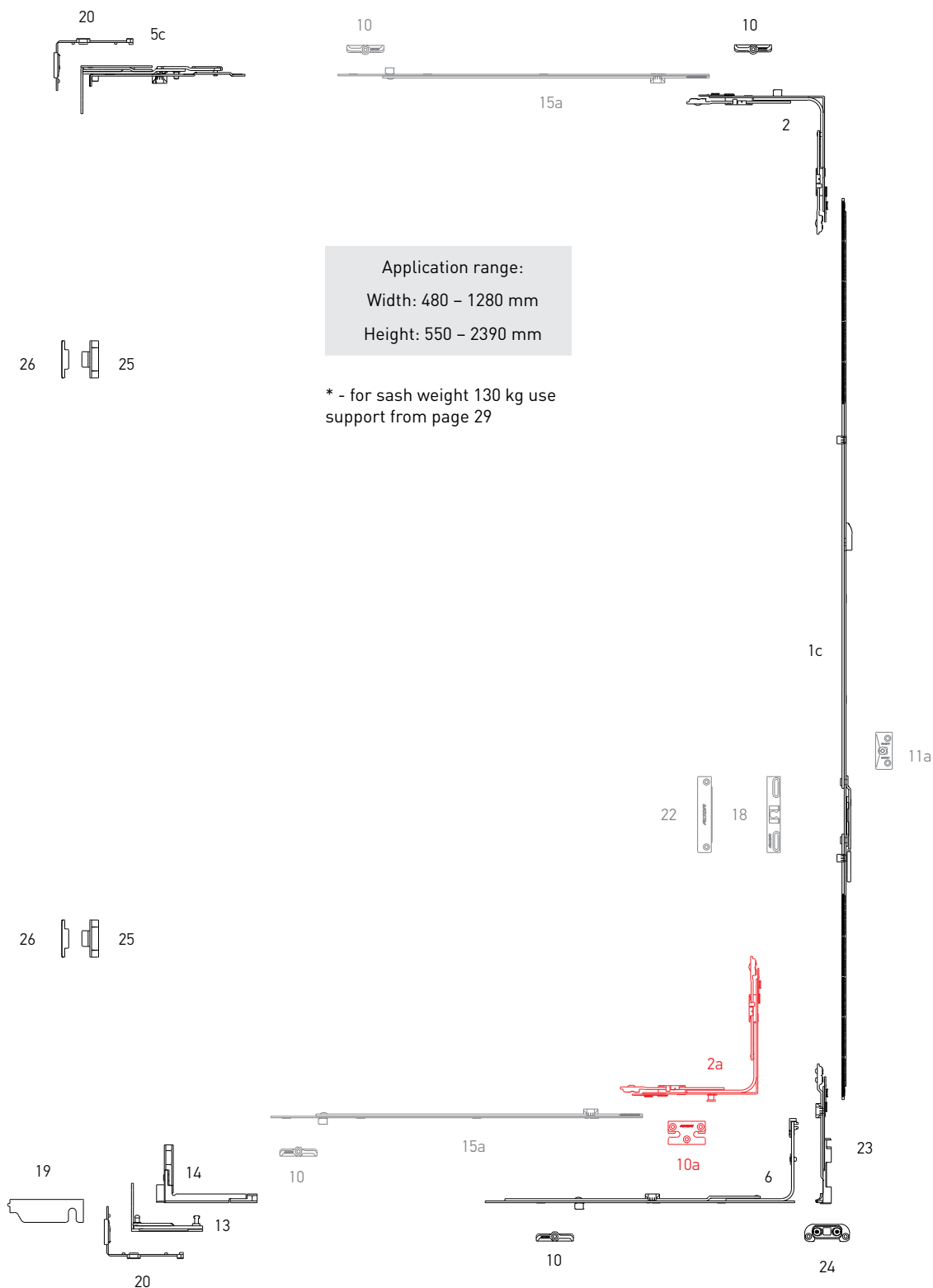
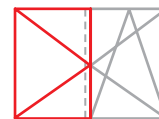
\*\* – see the section "Profile-dependent elements" of catalogues KOMFORT LINE K-3 or ELITE+

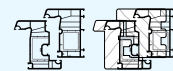


## Double sash

### Hardware overviews

K-3 System. Secondary sash of double-sash window

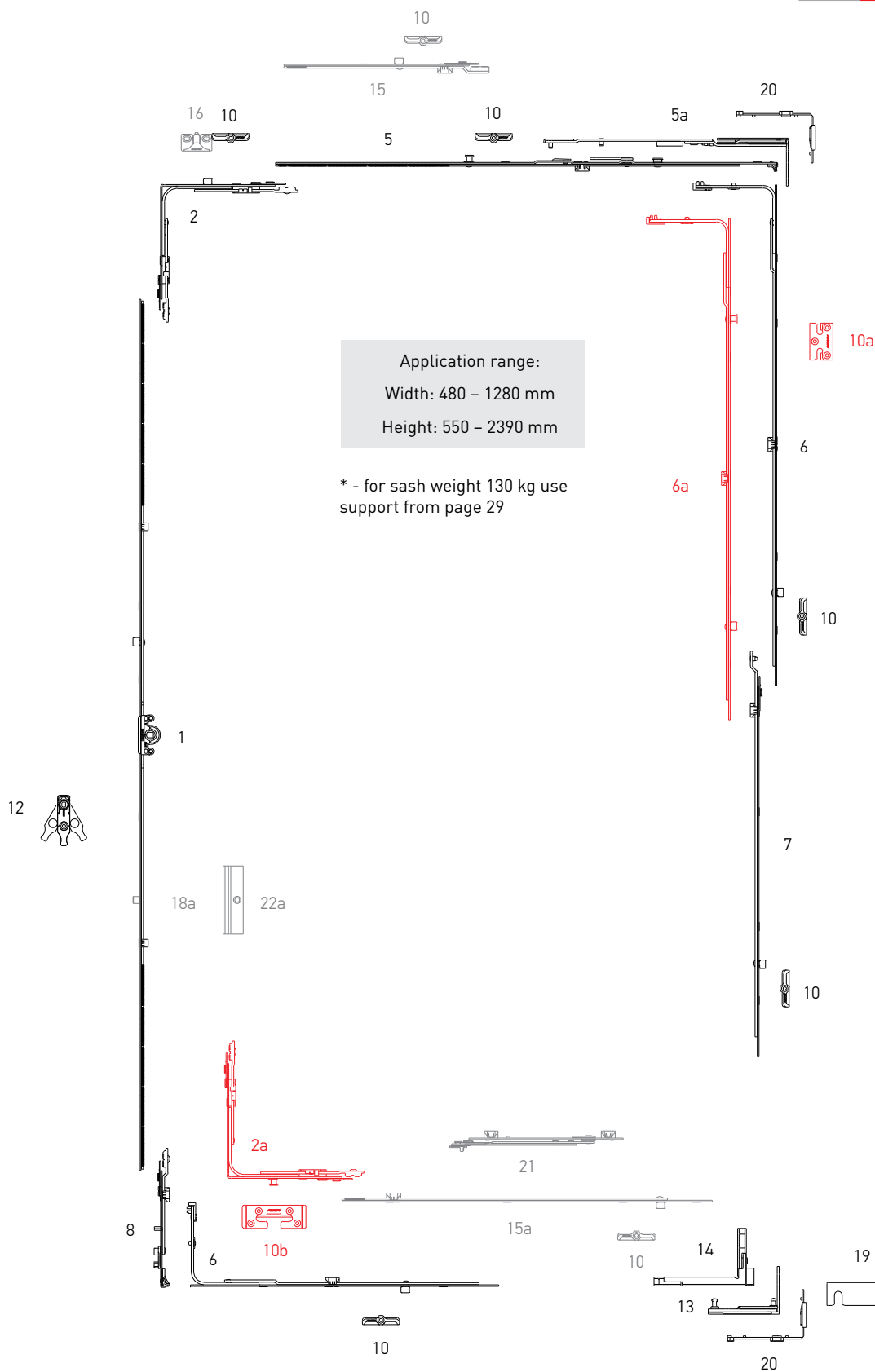
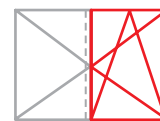


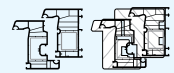


## Double sash

### Hardware overviews

#### K-3 System. Main sash

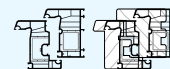




## Double sash

### Hardware overviews

| Nº | Description                                                    | Application range<br>by width | Application range<br>by height | Part No.     |
|----|----------------------------------------------------------------|-------------------------------|--------------------------------|--------------|
| 1  | Gear variable 1, L=450, 551-750                                | –                             | 551-750                        | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                         | –                             | 751-1230                       | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                        | –                             | 950-1430                       | K1001-11-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                       | –                             | 1431-1910                      | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                       | –                             | 1911-2390                      | K1001-21-N03 |
| 1c | Double sash lever espagnolette variable 1 L=450, 551-750       | –                             | 551-750                        | K1002-04-N03 |
|    | Double sash lever espagnolette variable 2 L=650, 751-950       | –                             | 751-950                        | K1002-06-N03 |
|    | Double sash lever espagnolette variable 3 L=1130, 951-1430     | –                             | 951-1430                       | K1002-11-N03 |
|    | Double sash lever espagnolette variable 4 L=1610, 1431-1910    | –                             | 1431-1910                      | K1002-16-N03 |
|    | Double sash lever espagnolette variable 5 L=2090, 1911-2390    | –                             | 1911-2390                      | K1002-21-N03 |
| 2  | Corner transmission 150x150                                    | 480-1280                      | 450-2390                       | K2001-00-N03 |
| 2a | Corner transmission 150x150 security                           | 480-1280                      | 450-2390                       | K2005-00-N03 |
| 5  | Concealed stay arm connecting plate 1 L=530, 480-680, left     | 480-680                       | –                              | K3030-06-L03 |
|    | Concealed stay arm connecting plate 1 L=530, 480-680, right    | 480-680                       | –                              | K3030-06-R03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, left     | 600-800                       | –                              | K3030-07-L03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, right    | 600-800                       | –                              | K3030-07-R03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, left    | 801-1040                      | –                              | K3030-09-L03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, right   | 801-1040                      | –                              | K3030-09-R03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, left  | 1041-1280                     | –                              | K3030-12-L03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, right | 1041-1280                     | –                              | K3030-12-R03 |
| 5a | Concealed stay arm PVC, 13 mm, 480-800, left                   | 480-800                       | –                              | A3001-02-L03 |
|    | Concealed stay arm PVC, 13 mm, 480-800, right                  | 480-800                       | –                              | A3001-02-R03 |
|    | Concealed stay arm PVC, 13 mm, 801-1040, left                  | 801-1040                      | –                              | A3001-03-L03 |
|    | Concealed stay arm PVC, 13 mm, 801-1040, right                 | 801-1040                      | –                              | A3001-03-R03 |
|    | Concealed stay arm PVC, 13 mm, 1041-1280, left                 | 1041-1280                     | –                              | A3001-04-L03 |
|    | Concealed stay arm PVC, 13 mm, 1041-1280, right                | 1041-1280                     | –                              | A3001-04-R03 |
|    | Concealed stay arm PVC, 9 mm, 480-800, left                    | 480-800                       | –                              | A3002-02-L03 |
|    | Concealed stay arm PVC, 9 mm, 480-800, right                   | 480-800                       | –                              | A3002-02-R03 |
|    | Concealed stay arm PVC, 9 mm, 801-1040, left                   | 801-1040                      | –                              | A3002-03-L03 |
|    | Concealed stay arm PVC, 9 mm, 801-1040, right                  | 801-1040                      | –                              | A3002-03-R03 |
|    | Concealed stay arm PVC, 9 mm, 1041-1280, left                  | 1041-1280                     | –                              | A3002-04-L03 |
|    | Concealed stay arm PVC, 9 mm, 1041-1280, right                 | 1041-1280                     | –                              | A3002-04-R03 |
| 5c | Concealed side hung top hinge PVC, 9 mm, left                  | –                             | –                              | A5023-09-L03 |
|    | Concealed side hung top hinge PVC, 9 mm, right                 | –                             | –                              | A5023-09-R03 |
|    | Concealed side hung top hinge PVC, 13 mm, left                 | –                             | –                              | A5023-13-L03 |
|    | Concealed side hung top hinge PVC, 13 mm, right                | –                             | –                              | A5023-13-R03 |
| 6  | Middle lock L=400, 2 ML                                        | 600-1000                      | 600-1000                       | K4004-04-N03 |
|    | Middle lock L=650, 2 ML                                        | 850-1250                      | 850-1250                       | K4004-06-N03 |
|    | Middle lock L=720, 2 ML                                        | 920-1320                      | 920-1320                       | K4004-07-N03 |
|    | Middle lock L=820, 2 ML                                        | 1251-1430                     | 1251-1430                      | K4004-08-N03 |
|    | Middle lock L=1130, 3 ML                                       | –                             | 1251-1730                      | K4004-11-N03 |



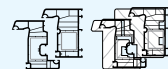
## Double sash

### Hardware overviews

| Nº  | Description                                     | Application range<br>by width | Application range<br>by height | Part No.     |
|-----|-------------------------------------------------|-------------------------------|--------------------------------|--------------|
| 6a  | Middle lock L=400, 1MR + 1 ML                   | 600-1000                      | 600-1000                       | K4008-04-N03 |
|     | Middle lock L=650, 1MR + 1 ML                   | 850-1250                      | 850-1250                       | K4008-06-N03 |
|     | Middle lock L=820, 1MR + 1 ML                   | 1251-1430                     | 1251-1430                      | K4008-08-N03 |
|     | Middle lock L=1130, 1MR + 2 ML                  | –                             | 1251-1730                      | K4008-11-N03 |
| 7   | Middle lock extension 480 mm                    | –                             | 1710-2210                      | K4005-05-N03 |
|     | Middle lock extension 680 mm                    | –                             | 2231-2390                      | K4005-07-N03 |
| 8   | Bottom extension                                | –                             | 450-800                        | K4009-00-N03 |
|     |                                                 | –                             | 801-2390                       | K4002-00-N03 |
| 10  | Locking plate                                   | –                             | –                              | **           |
| 10a | Locking plate safety                            | –                             | –                              | **           |
| 10b | Tilt locking plate safety                       | –                             | –                              | **           |
| 11a | Lifting plate for double sash, sash part        | –                             | –                              | A6001-00-N03 |
| 12  | Wrong operation safety device with sash lifter  | –                             | 751-2390                       | A7001-00-N03 |
| 13  | Concealed bottom hinge PVC, 9 mm, left          | –                             | –                              | A5025-09-L03 |
|     | Concealed bottom hinge PVC, 9 mm, right         | –                             | –                              | A5025-09-R03 |
|     | Concealed bottom hinge PVC, 13 mm, left         | –                             | –                              | A5025-13-L03 |
|     | Concealed bottom hinge PVC, 13 mm, right        | –                             | –                              | A5025-13-R03 |
| 14  | Concealed bottom sash hinge, 9 mm, left         | –                             | –                              | A5027-09-L03 |
|     | Concealed bottom sash hinge, 9 mm, right        | –                             | –                              | A5027-09-R03 |
|     | Concealed bottom sash hinge, 13 mm, left        | –                             | –                              | A5027-13-L03 |
|     | Concealed bottom sash hinge, 13 mm, right       | –                             | –                              | A5027-13-R03 |
| 15  | Extension lock 240 mm                           | –                             | –                              | K4003-02-N03 |
| 15a | Extension lock for corner transmission L=480 mm | –                             | –                              | K4010-00-N03 |
| 16  | Locking plate, integrated slit                  | –                             | –                              | **           |
| 18  | Balcony catch                                   | –                             | –                              | A7184-13-N03 |
| 18a | Balcony locking pin                             | –                             | –                              | A7207-00-N03 |
| 19  | Concealed bottom hinge cover, left              | –                             | –                              | A7141-00-L03 |
|     | Concealed bottom hinge cover, right             | –                             | –                              | A7141-00-R03 |
| 20  | Concealed hinge packer, 13 mm, left             | –                             | –                              | A7**-13-L03  |
|     | Concealed hinge packer, 13 mm, right            | –                             | –                              | A7**-13-R03  |
| 21  | Sash turning restrictor                         | –                             | –                              | A7110-00-N03 |
| 22  | Magnetic balcony catch, frame part              | –                             | –                              | A7053-00-N03 |
| 22a | Magnetic balcony catch, sash part               | –                             | –                              | A7055-*-N03  |
| 23  | Shoot bolt bottom                               | –                             | –                              | K4006-00-N03 |
| 24  | Locking plate adjustable for shoot bolt         | –                             | –                              | **           |

\* – according to displacement axis of sash groove (9 mm, 10 mm, 13 mm, 14 mm)

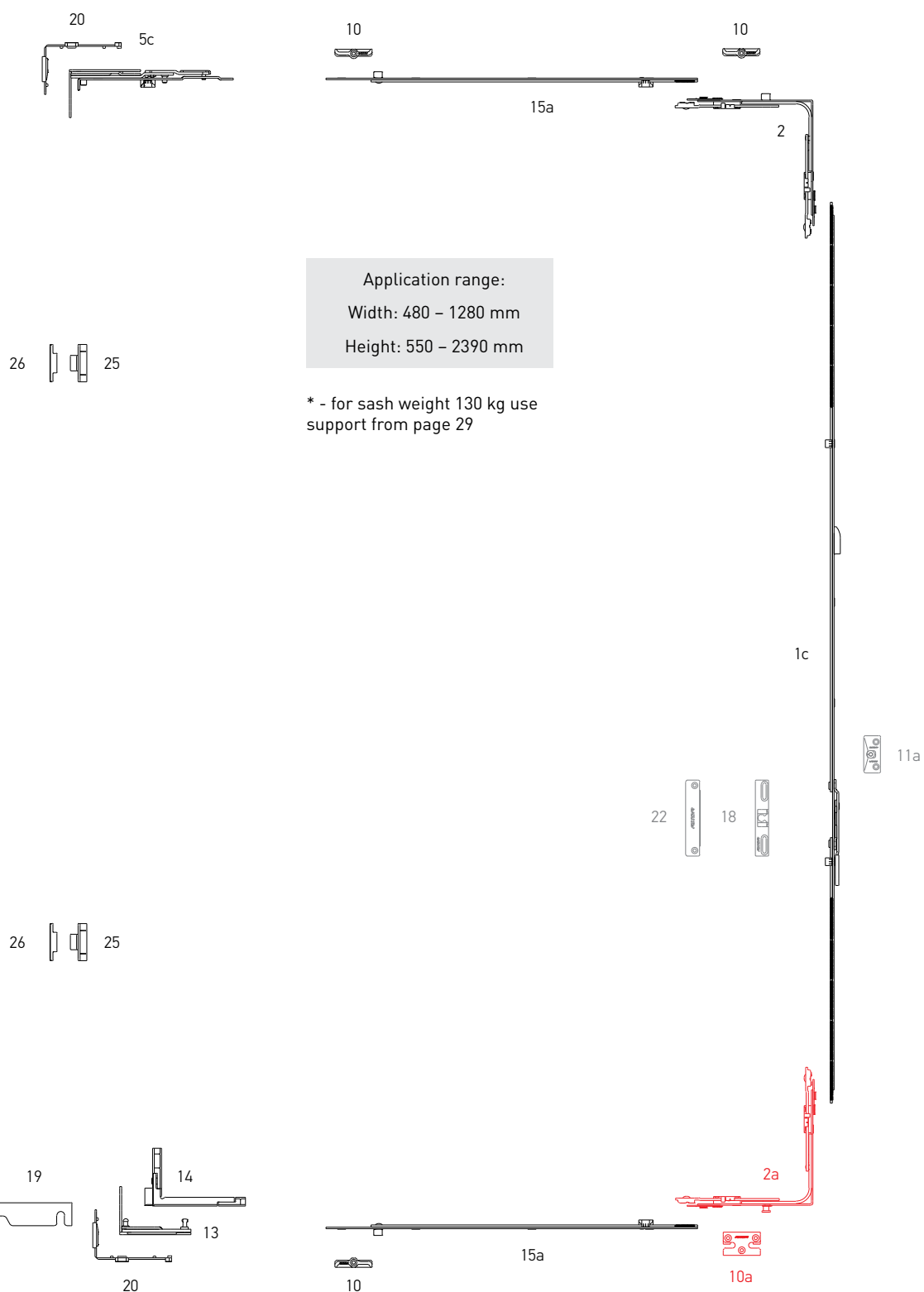
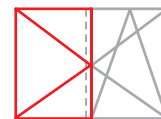
\*\* – see the section "Profile-dependent elements" of catalogues KOMFORT LINE K-3 or ELITE+

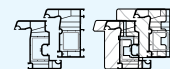


## Double sash "First Tilt"

### Hardware overviews

K-3 System. Secondary sash of double-sash window "First Tilt"

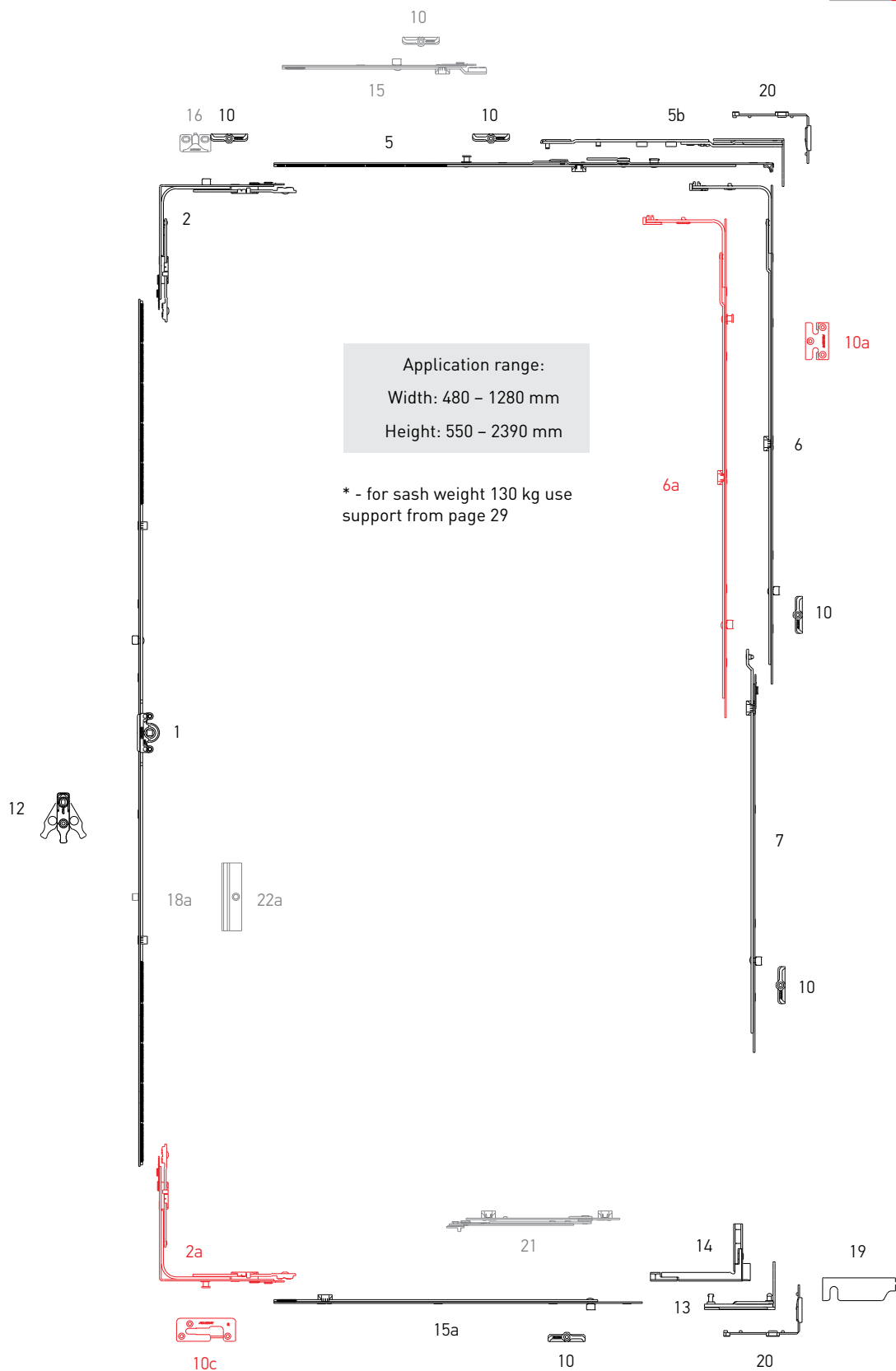
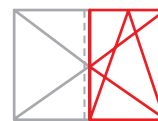


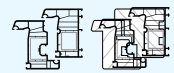


## Double sash "First Tilt"

Hardware overviews

K-3 System. Main sash "First Tilt"

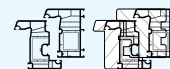




## Double sash “First Tilt”

### Hardware overviews

| Nº | Description                                                    | Application range<br>by width | Application range<br>by height | Part No.     |
|----|----------------------------------------------------------------|-------------------------------|--------------------------------|--------------|
| 1  | Gear variable 1, L=450, 551-750                                | –                             | 551-750                        | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                         | –                             | 751-1230                       | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                        | –                             | 950-1430                       | K1001-11-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                       | –                             | 1431-1910                      | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                       | –                             | 1911-2390                      | K1001-21-N03 |
| 1c | Double sash lever espagnolette variable 1 L=450, 551-750       | –                             | 551-750                        | K1002-04-N03 |
|    | Double sash lever espagnolette variable 2 L=650, 751-950       | –                             | 751-950                        | K1002-06-N03 |
|    | Double sash lever espagnolette variable 3 L=1130, 951-1430     | –                             | 951-1430                       | K1002-11-N03 |
|    | Double sash lever espagnolette variable 4 L=1610, 1431-1910    | –                             | 1431-1910                      | K1002-16-N03 |
|    | Double sash lever espagnolette variable 5 L=2090, 1911-2390    | –                             | 1911-2390                      | K1002-21-N03 |
| 2  | Corner transmission 150x150                                    | 480-1280                      | 450-2390                       | K2001-00-N03 |
| 2a | Corner transmission 150x150 security                           | 480-1280                      | 450-2390                       | K2005-00-N03 |
| 5  | Concealed stay arm connecting plate 1 L=530, 480-680, left     | 480-680                       | –                              | K3030-06-L03 |
|    | Concealed stay arm connecting plate 1 L=530, 480-680, right    | 480-680                       | –                              | K3030-06-R03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, left     | 600-800                       | –                              | K3030-07-L03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, right    | 600-800                       | –                              | K3030-07-R03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, left    | 801-1040                      | –                              | K3030-09-L03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, right   | 801-1040                      | –                              | K3030-09-R03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, left  | 1041-1280                     | –                              | K3030-12-L03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, right | 1041-1280                     | –                              | K3030-12-R03 |
| 5b | Concealed stay arm “First Tilt” PVC, 13 mm, 480-800, left      | 480-800                       | –                              | A3005-02-L03 |
|    | Concealed stay arm “First Tilt” PVC, 13 mm, 480-800, right     | 480-800                       | –                              | A3005-02-R03 |
|    | Concealed stay arm “First Tilt” PVC, 13 mm, 801-1040, left     | 801-1040                      | –                              | A3005-03-L03 |
|    | Concealed stay arm “First Tilt” PVC, 13 mm, 801-1040, right    | 801-1040                      | –                              | A3005-03-R03 |
|    | Concealed stay arm “First Tilt” PVC, 13 mm, 1041-1280, left    | 1041-1280                     | –                              | A3005-04-L03 |
|    | Concealed stay arm “First Tilt” PVC, 13 mm, 1041-1280, right   | 1041-1280                     | –                              | A3005-04-R03 |
|    | Concealed stay arm “First Tilt” PVC, 9 mm, 480-800, left       | 480-800                       | –                              | A3006-02-L03 |
|    | Concealed stay arm “First Tilt” PVC, 9 mm, 480-800, right      | 480-800                       | –                              | A3006-02-R03 |
|    | Concealed stay arm “First Tilt” PVC, 9 mm, 801-1040, left      | 801-1040                      | –                              | A3006-03-L03 |
|    | Concealed stay arm “First Tilt” PVC, 9 mm, 801-1040, right     | 801-1040                      | –                              | A3006-03-R03 |
|    | Concealed stay arm “First Tilt” PVC, 9 mm, 1041-1280, left     | 1041-1280                     | –                              | A3006-04-L03 |
|    | Concealed stay arm “First Tilt” PVC, 9 mm, 1041-1280, right    | 1041-1280                     | –                              | A3006-04-R03 |
| 5c | Concealed side hung top hinge PVC, 9 mm, left                  | –                             | –                              | A5023-09-L03 |
|    | Concealed side hung top hinge PVC, 9 mm, right                 | –                             | –                              | A5023-09-R03 |
|    | Concealed side hung top hinge PVC, 13 mm, left                 | –                             | –                              | A5023-13-L03 |
|    | Concealed side hung top hinge PVC, 13 mm, right                | –                             | –                              | A5023-13-R03 |
| 6  | Middle lock L=400, 2 ML                                        | 600-1000                      | 600-1000                       | K4004-04-N03 |
|    | Middle lock L=650, 2 ML                                        | 850-1250                      | 850-1250                       | K4004-06-N03 |
|    | Middle lock L=720, 2 ML                                        | 920-1320                      | 920-1320                       | K4004-07-N03 |
|    | Middle lock L=820, 2 ML                                        | 1251-1430                     | 1251-1430                      | K4004-08-N03 |
|    | Middle lock L=1130, 3 ML                                       | –                             | 1251-1730                      | K4004-11-N03 |



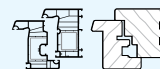
## Double sash “First Tilt”

### Hardware overviews

| Nº  | Description                                     | Application range<br>by width | Application range<br>by height | Part No.     |
|-----|-------------------------------------------------|-------------------------------|--------------------------------|--------------|
| 6a  | Middle lock L=400, 1MR + 1 ML                   | 600-1000                      | 600-1000                       | K4008-04-N03 |
|     | Middle lock L=650, 1MR + 1 ML                   | 850-1250                      | 850-1250                       | K4008-06-N03 |
|     | Middle lock L=820, 1MR + 1 ML                   | 1251-1430                     | 1251-1430                      | K4008-08-N03 |
|     | Middle lock L=1130, 1MR + 2 ML                  | –                             | 1251-1730                      | K4008-11-N03 |
| 7   | Middle lock extension 480 mm                    | –                             | 1710-2210                      | K4005-05-N03 |
|     | Middle lock extension 680 mm                    | –                             | 2231-2390                      | K4005-07-N03 |
| 8   | Bottom extension                                | –                             | 450-800                        | K4009-00-N03 |
|     |                                                 | –                             | 801-2390                       | K4002-00-N03 |
| 10  | Locking plate                                   | –                             | –                              | **           |
| 10a | Locking plate safety                            | –                             | –                              | **           |
| 10b | Tilt locking plate safety                       | –                             | –                              | **           |
| 11a | Lifting plate for double sash, sash part        | –                             | –                              | A6001-00-N03 |
| 12  | Wrong operation safety device with sash lifter  | –                             | 751-2390                       | A7001-00-N03 |
| 13  | Concealed bottom hinge PVC, 9 mm, left          | –                             | –                              | A5025-09-L03 |
|     | Concealed bottom hinge PVC, 9 mm, right         | –                             | –                              | A5025-09-R03 |
|     | Concealed bottom hinge PVC, 13 mm, left         | –                             | –                              | A5025-13-L03 |
|     | Concealed bottom hinge PVC, 13 mm, right        | –                             | –                              | A5025-13-R03 |
| 14  | Concealed bottom sash hinge, 9 mm, left         | –                             | –                              | A5027-09-L03 |
|     | Concealed bottom sash hinge, 9 mm, right        | –                             | –                              | A5027-09-R03 |
|     | Concealed bottom sash hinge, 13 mm, left        | –                             | –                              | A5027-13-L03 |
|     | Concealed bottom sash hinge, 13 mm, right       | –                             | –                              | A5027-13-R03 |
| 15  | Extension lock 240 mm                           | –                             | –                              | K4003-02-N03 |
| 15a | Extension lock for corner transmission L=480 mm | –                             | –                              | K4010-00-N03 |
| 16  | Locking plate, integrated slit                  | –                             | –                              | **           |
| 18  | Balcony catch                                   | –                             | –                              | A7184-13-N03 |
| 18a | Balcony locking pin                             | –                             | –                              | A7207-00-N03 |
| 19  | Concealed bottom hinge cover, left              | –                             | –                              | A7141-00-L03 |
|     | Concealed bottom hinge cover, right             | –                             | –                              | A7141-00-R03 |
| 20  | Concealed hinge packer, 13 mm, left             | –                             | –                              | A7**-13-L03  |
|     | Concealed hinge packer, 13 mm, right            | –                             | –                              | A7**-13-R03  |
| 21  | Sash turning restrictor                         | –                             | –                              | A7110-00-N03 |
| 22  | Magnetic balcony catch, frame part              | –                             | –                              | A7053-00-N03 |
| 22a | Magnetic balcony catch, sash part               | –                             | –                              | A7055-*-N03  |

\* – according to displacement axis of sash groove (9 mm, 10 mm, 13 mm, 14 mm)

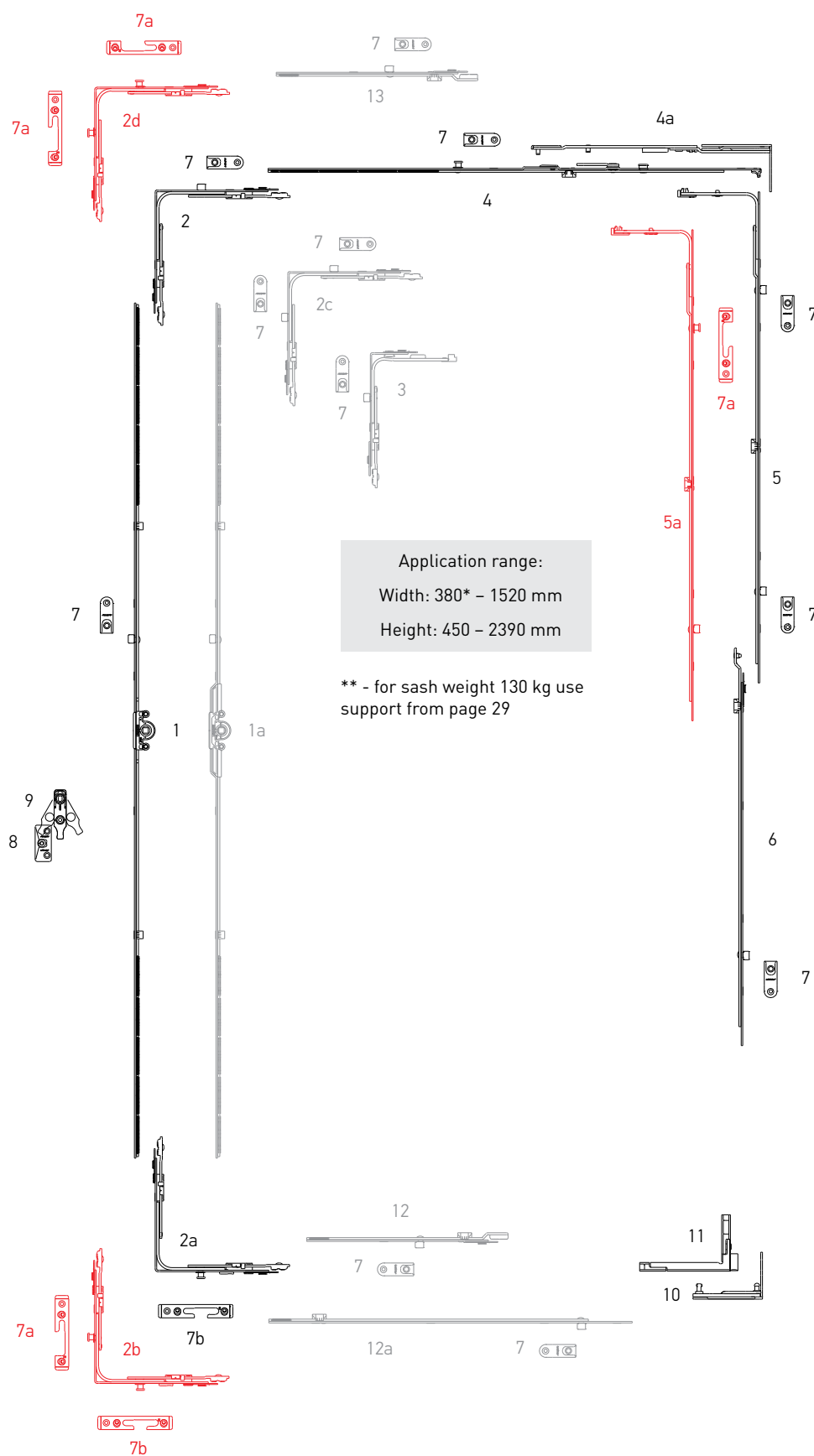
\*\* – see the section “Profile-dependent elements” of catalogues KOMFORT LINE K-3 or ELITE+



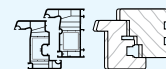
# Tilt and turn set 9 system

## Hardware overviews

### System K-3. Tilt and turn set 9 system



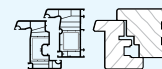
\* –with narrow corner transmission



# Tilt and turn set 9 system

## Hardware overviews

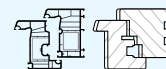
| Nº | Description                                                    | Application range by width | Application range by height | Part No.     |
|----|----------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 0, L=250, 450-550                                | —                          | 450-550                     | K1001-02-N03 |
|    | Gear variable 1, L=450, 551-750                                | —                          | 551-750                     | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                         | —                          | 751-1230                    | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                        | —                          | 950-1430                    | K1001-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML                       | —                          | 1231-1710                   | K1001-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                       | —                          | 1431-1910                   | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                       | —                          | 1911-2390                   | K1001-21-N03 |
| 1a | Gear variable 1, L=450, 551-750, backset 7,5 mm.               | —                          | 551-750                     | K1011-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML, backset 7,5 mm.        | —                          | 751-1230                    | K1011-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML, backset 7,5 mm.       | —                          | 950-1430                    | K1011-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML, backset 7,5 mm.      | —                          | 1231-1710                   | K1011-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML, backset 7,5 mm.      | —                          | 1431-1910                   | K1011-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML, backset 7,5 mm.      | —                          | 1911-2390                   | K1011-21-N03 |
| 2  | Corner transmission 150x150                                    | 480-1280                   | 450-2390                    | K2001-00-N03 |
| 2a | Bottom corner transmission with lifter, Se 150x150             | 480-1280                   | 450-2390                    | K2008-00-N03 |
| 2b | Bottom corner transmission with lifter, 2ML, 150x150           | 480-1280                   | 450-2390                    | K2009-00-N03 |
| 2c | Corner transmission 2 ML, 150x150                              | 480-1280                   | 450-2390                    | K2002-00-N03 |
| 2d | Corner transmission, 2 ML, Se                                  | 480-1280                   | 450-2390                    | K2012-00-N03 |
| 3  | Narrow corner transmission 50x150                              | 380-480                    | 450-2390                    | K2003-00-N03 |
|    |                                                                | 480-680                    | 350-550                     |              |
| 4  | Concealed stay arm connecting plate 1 L=530, 480-680, left     | 480-680                    | —                           | K3030-06-L03 |
|    | Concealed stay arm connecting plate 1 L=530, 480-680, right    | 480-680                    | —                           | K3030-06-R03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, left     | 600-800                    | —                           | K3030-07-L03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, right    | 600-800                    | —                           | K3030-07-R03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, left    | 801-1040                   | —                           | K3030-09-L03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, right   | 801-1040                   | —                           | K3030-09-R03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, left  | 1041-1280                  | —                           | K3030-12-L03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, right | 1041-1280                  | —                           | K3030-12-R03 |
| 4a | Concealed stay arm for timber profile, 9 mm, 480-800, left     | 480-800                    | —                           | A3004-02-L03 |
|    | Concealed stay arm for timber profile, 9 mm, 480-800, right    | 480-800                    | —                           | A3004-02-R03 |
|    | Concealed stay arm for timber profile, 9 mm, 801-1040, left    | 801-1040                   | —                           | A3004-03-L03 |
|    | Concealed stay arm for timber profile, 9 mm, 801-1040, right   | 801-1040                   | —                           | A3004-03-R03 |
|    | Concealed stay arm for timber profile, 9 mm, 1041-1280, left   | 1041-1280                  | —                           | A3004-04-R03 |
|    | Concealed stay arm for timber profile, 9 mm, 1041-1280, right  | 1041-1280                  | —                           | A3004-04-R03 |
| 5  | Middle lock L=400, 2 ML                                        | 600-1000                   | 600-1000                    | K4004-04-N03 |
|    | Middle lock L=650, 2 ML                                        | 850-1250                   | 850-1250                    | K4004-06-N03 |
|    | Middle lock L=720, 2 ML                                        | 920-1320                   | 920-1320                    | K4004-07-N03 |
|    | Middle lock L=820, 2 ML                                        | 1251-1430                  | 1251-1430                   | K4004-08-N03 |
|    | Middle lock L=1130, 3 ML                                       | —                          | 1251-1730                   | K4004-11-N03 |
| 5a | Middle lock L=400, 1MR + 1 ML                                  | 600-1000                   | 600-1000                    | K4008-04-N03 |
|    | Middle lock L=650, 1MR + 1 ML                                  | 850-1250                   | 850-1250                    | K4008-06-N03 |
|    | Middle lock L=820, 1MR + 1 ML                                  | 1251-1430                  | 1251-1430                   | K4008-08-N03 |
|    | Middle lock L=1130, 1MR + 2 ML                                 | —                          | 1251-1730                   | K4008-11-N03 |



## Tilt and turn set 9 system

### Hardware overviews

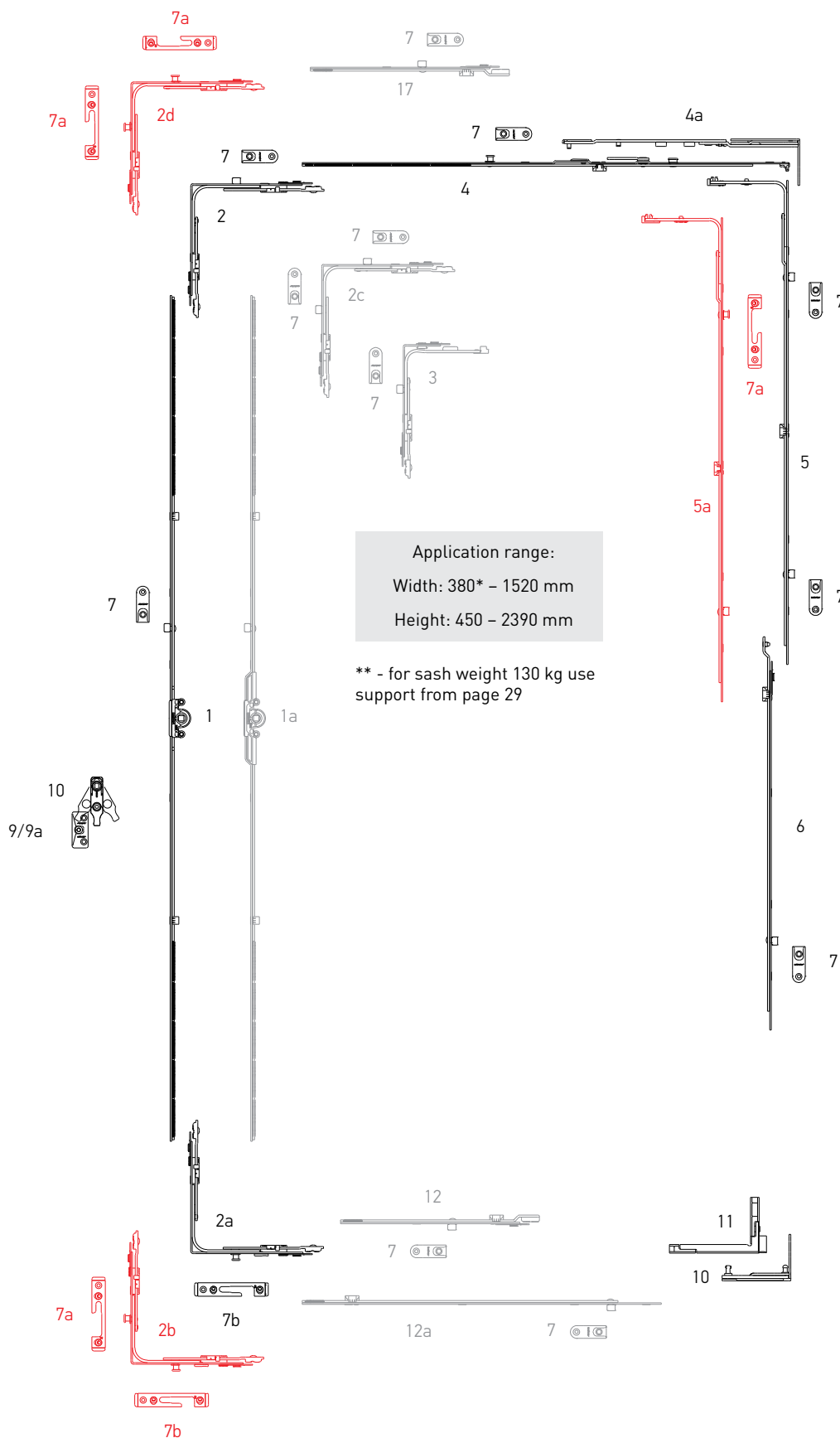
| Nº  | Description                                                         | Application range by width | Application range by height | Part No.       |
|-----|---------------------------------------------------------------------|----------------------------|-----------------------------|----------------|
| 6   | Middle lock extension 480 mm                                        | –                          | 1710-2210                   | K4005-05-N03   |
|     | Middle lock extension 680 mm                                        | –                          | 2211-2390                   | K4005-07-N03   |
| 7   | Standard locking plate for timber profile 9 mm, 18/8                | –                          | –                           | A7068-09-N03   |
| 7a  | Locking plate Se for timber profile 9 mm, 18/8 left/right           | –                          | –                           | S6030-09-L/R03 |
| 7b  | Tilt safety locking plate for timber profile 9 mm, 18/8, left/right | –                          | –                           | S6032-09-L/R03 |
| 8   | Lifting plate 9 mm, 18/8                                            | –                          | 751-2390                    | A6036-09-N03   |
| 9   | Wrong op. safety device with sash lifter                            | –                          | 751-2390                    | A7001-00-N03   |
| 10  | Concealed bottom hinge for timber profile, 13 mm, left              | –                          | –                           | A5026-13-L03   |
|     | Concealed bottom hinge for timber profile, 13 mm, right             | –                          | –                           | A5026-13-R03   |
| 11  | Concealed bottom sash hinge, 13 mm, left                            | –                          | –                           | A5027-13-L03   |
|     | Concealed bottom sash hinge, 13 mm, right                           | –                          | –                           | A5027-13-R03   |
| 12  | Extension lock 240 mm                                               | –                          | –                           | K4003-02-N03   |
| 12a | Corner transmissions extension lock L=480 mm                        | –                          | –                           | K4010-00-N03   |



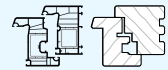
# Tilt and turn set “First Tilt” 9 system

Hardware overviews

System K-3. Tilt and turn set “First Tilt” 9 system



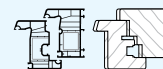
\* –with narrow corner transmission



## Tilt and turn set “First Tilt” 9 system

### Hardware overviews

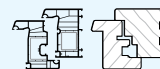
| Nº | Description                                                                | Application range by width | Application range by height | Part No.     |
|----|----------------------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 0, L=250, 450-550                                            | —                          | 450-550                     | K1001-02-N03 |
|    | Gear variable 1, L=450, 551-750                                            | —                          | 551-750                     | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                                     | —                          | 751-1230                    | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                                    | —                          | 950-1430                    | K1001-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML                                   | —                          | 1231-1710                   | K1001-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                                   | —                          | 1431-1910                   | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                                   | —                          | 1911-2390                   | K1001-21-N03 |
| 1a | Gear variable 1, L=450, 551-750, backset 7,5 mm.                           | —                          | 551-750                     | K1011-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML, backset 7,5 mm.                    | —                          | 751-1230                    | K1011-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML, backset 7,5 mm.                   | —                          | 950-1430                    | K1011-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML, backset 7,5 mm.                  | —                          | 1231-1710                   | K1011-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML, backset 7,5 mm.                  | —                          | 1431-1910                   | K1011-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML, backset 7,5 mm.                  | —                          | 1911-2390                   | K1011-21-N03 |
| 2  | Corner transmission 150x150                                                | 480-1280                   | 450-2390                    | K2001-00-N03 |
| 2a | Bottom corner transmission with lifter, Se 150x150                         | 480-1280                   | 450-2390                    | K2008-00-N03 |
| 2b | Bottom corner transmission with lifter, 2ML, 150x150                       | 480-1280                   | 450-2390                    | K2009-00-N03 |
| 2c | Corner transmission 2 ML, 150x150                                          | 480-1280                   | 450-2390                    | K2002-00-N03 |
| 2d | Corner transmission, 2 ML, Se                                              | 480-1280                   | 450-2390                    | K2012-00-N03 |
| 3  | Narrow corner transmission 50x150                                          | 380-480                    | 450-2390                    | K2003-00-N03 |
|    |                                                                            | 480-680                    | 350-550                     |              |
| 4  | Concealed stay arm connecting plate 1 L=530, 480-680, left                 | 480-680                    | —                           | K3030-06-L03 |
|    | Concealed stay arm connecting plate 1 L=530, 480-680, right                | 480-680                    | —                           | K3030-06-R03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, left                 | 600-800                    | —                           | K3030-07-L03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, right                | 600-800                    | —                           | K3030-07-R03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, left                | 801-1040                   | —                           | K3030-09-L03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, right               | 801-1040                   | —                           | K3030-09-R03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, left              | 1041-1280                  | —                           | K3030-12-L03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, right             | 1041-1280                  | —                           | K3030-12-R03 |
| 4a | Concealed stay arm “First Tilt” for timber profile, 9 mm, 480-800, left    | 480-800                    | —                           | A3008-02-L03 |
|    | Concealed stay arm “First Tilt” for timber profile, 9 mm, 480-800, right   | 480-800                    | —                           | A3008-02-R03 |
|    | Concealed stay arm “First Tilt” for timber profile, 9 mm, 801-1040, left   | 801-1040                   | —                           | A3008-03-L03 |
|    | Concealed stay arm “First Tilt” for timber profile, 9 mm, 801-1040, right  | 801-1040                   | —                           | A3008-03-R03 |
|    | Concealed stay arm “First Tilt” for timber profile, 9 mm, 1041-1280, left  | 1041-1280                  | —                           | A3008-04-L03 |
|    | Concealed stay arm “First Tilt” for timber profile, 9 mm, 1041-1280, right | 1041-1280                  | —                           | A3008-04-R03 |
| 5  | Middle lock L=400, 2 ML                                                    | 600-1000                   | 600-1000                    | K4004-04-N03 |
|    | Middle lock L=650, 2 ML                                                    | 850-1250                   | 850-1250                    | K4004-06-N03 |
|    | Middle lock L=720, 2 ML                                                    | 920-1320                   | 920-1320                    | K4004-07-N03 |
|    | Middle lock L=820, 2 ML                                                    | 1251-1430                  | 1251-1430                   | K4004-08-N03 |
|    | Middle lock L=1130, 3 ML                                                   | —                          | 1251-1730                   | K4004-11-N03 |
| 5a | Middle lock L=400, 1MR + 1 ML                                              | 600-1000                   | 600-1000                    | K4008-04-N03 |
|    | Middle lock L=650, 1MR + 1 ML                                              | 850-1250                   | 850-1250                    | K4008-06-N03 |
|    | Middle lock L=820, 1MR + 1 ML                                              | 1251-1430                  | 1251-1430                   | K4008-08-N03 |
|    | Middle lock L=1130, 1MR + 2 ML                                             | —                          | 1251-1730                   | K4008-11-N03 |



## Tilt and turn set "First Tilt" 9 system

Hardware overviews

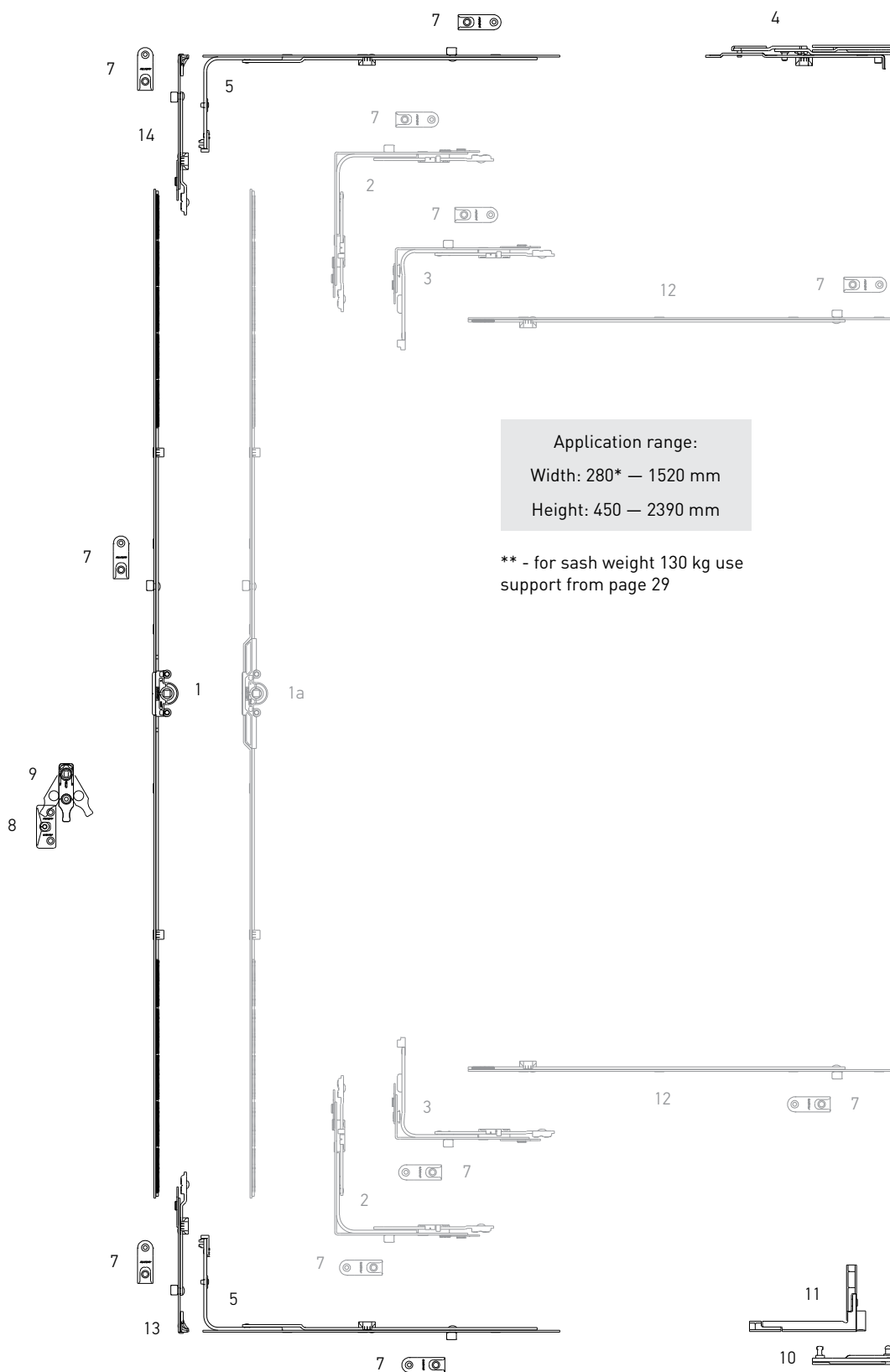
| Nº  | Description                                               | Application range by width | Application range by height | Part No.       |
|-----|-----------------------------------------------------------|----------------------------|-----------------------------|----------------|
| 6   | Middle lock extension 480 mm                              | –                          | 1710-2210                   | K4005-05-N03   |
|     | Middle lock extension 680 mm                              | –                          | 2211-2390                   | K4005-07-N03   |
| 7   | Standard locking plate for timber profile 9 mm, 18/8      | –                          | –                           | A7068-09-N03   |
| 7a  | Locking plate Se for timber profile 9 mm, 18/8 left/right | –                          | –                           | S6030-09-L/R03 |
| 7b  | Tilt locking plate "First Tilt" 9 mm, 18/8, left/right    | –                          | –                           | S6052-09-L/R03 |
| 8   | Lifting plate 9 mm, 18/8                                  | –                          | 751-2390                    | A6036-09-N03   |
| 9   | Wrong op. safety device with sash lifter                  | –                          | 751-2390                    | A7001-00-N03   |
| 10  | Concealed bottom hinge for timber profile, 9 mm, left     | –                          | –                           | A5026-09-L03   |
|     | Concealed bottom hinge for timber profile, 9 mm, right    | –                          | –                           | A5026-09-R03   |
| 11  | Concealed bottom sash hinge, 9 mm, left                   | –                          | –                           | A5027-09-L03   |
|     | Concealed bottom sash hinge, 9 mm, right                  | –                          | –                           | A5027-09-R03   |
| 12  | Extension lock 240 mm                                     | –                          | –                           | K4003-02-N03   |
| 12a | Corner transmissions extension lock L=480 mm              | –                          | –                           | K4010-00-N03   |



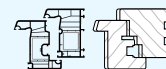
## Turn set 9 system

### Hardware overviews

#### System K-3. Advanced turn set 9 system



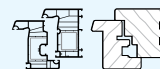
\* – without middle lock extension



## Turn set 9 system

### Hardware overviews

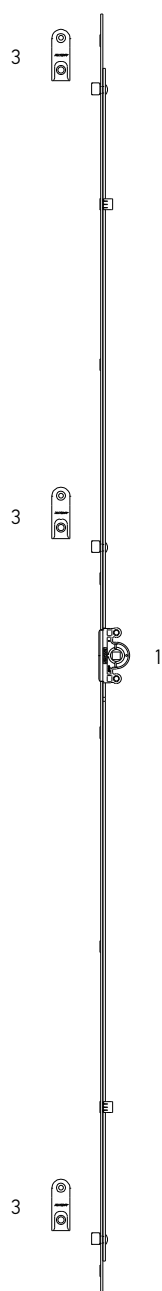
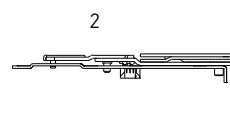
| Nº | Description                                                   | Application range by width | Application range by height | Part No.     |
|----|---------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 0, L=250, 450-550                               | —                          | 450-550                     | K1001-02-N03 |
|    | Gear variable 1, L=450, 551-750                               | —                          | 551-750                     | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                        | —                          | 751-1230                    | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                       | —                          | 950-1430                    | K1001-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML                      | —                          | 1231-1710                   | K1001-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                      | —                          | 1431-1910                   | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                      | —                          | 1911-2390                   | K1001-21-N03 |
| 1a | Gear variable 1, L=450, 551-750, backset 7,5 mm.              | —                          | 551-750                     | K1011-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML, backset 7,5 mm.       | —                          | 751-1230                    | K1011-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML, backset 7,5 mm.      | —                          | 950-1430                    | K1011-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML, backset 7,5 mm.     | —                          | 1231-1710                   | K1011-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML, backset 7,5 mm.     | —                          | 1431-1910                   | K1011-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML, backset 7,5 mm.     | —                          | 1911-2390                   | K1011-21-N03 |
| 2  | Corner transmission 150x150                                   | 480-1280                   | 450-2390                    | K2001-00-N03 |
| 3  | Narrow corner transmission 50x150                             | 380-480                    | 450-2390                    | K2003-00-N03 |
|    |                                                               | 480-680                    | 350-550                     |              |
| 4  | Concealed side hung top hinge for timber profile, 9 mm, left  | —                          | —                           | A5024-09-L03 |
|    | Concealed side hung top hinge for timber profile, 9 mm, right | —                          | —                           | A5024-09-R03 |
| 5  | Middle lock L=400, 1 ML                                       | 600-1000                   | 600-1000                    | K4001-04-N03 |
|    | Middle lock L=650, 1 ML                                       | 850-1250                   | 850-1250                    | K4001-06-N03 |
|    | Middle lock L=720, 1 ML                                       | 920-1320                   | 920-1320                    | K4001-07-N03 |
|    | Middle lock L=820, 2 ML                                       | 1251-1430                  | 1251-1430                   | K4001-08-N03 |
|    | Middle lock L=1130, 2 ML                                      | —                          | 1251-1730                   | K4001-11-N03 |
| 7  | Standard locking plate for timber profile 9 mm, 18/8          | —                          | —                           | A7068-09-N03 |
| 8  | Lifting plate 9 mm, 18/8                                      | —                          | 751-2390                    | A6036-09-N03 |
| 9  | Wrong op. safety device with sash lifter                      | —                          | 751-2390                    | A7001-00-N03 |
| 10 | Concealed bottom hinge for timber profile, 9 mm, left         | —                          | —                           | A5026-09-L03 |
|    | Concealed bottom hinge for timber profile, 9 mm, right        | —                          | —                           | A5026-09-R03 |
| 11 | Concealed bottom sash hinge, 9 mm, left                       | —                          | —                           | A5027-09-L03 |
|    | Concealed bottom sash hinge, 9 mm, right                      | —                          | —                           | A5027-09-R03 |
| 12 | Corner transmissions extension lock L=480 mm                  | —                          | —                           | K4010-00-N03 |
| 13 | Bottom extension for turn sash 90°                            | —                          | —                           | K4007-00-N03 |
| 14 | Top extension for turn sash 180°                              | —                          | —                           | K4011-00-N03 |



## Turn set 9 system

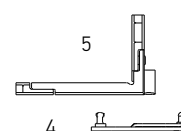
### Hardware overviews

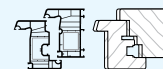
#### System K-3. Turn set 9 system



Application range:  
Width: 280 — 700 mm  
Height: 300 — 2400 mm

\* - for sash weight 130 kg use  
support from page 29

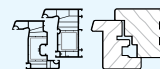




## Turn set 9 system

### Hardware overviews

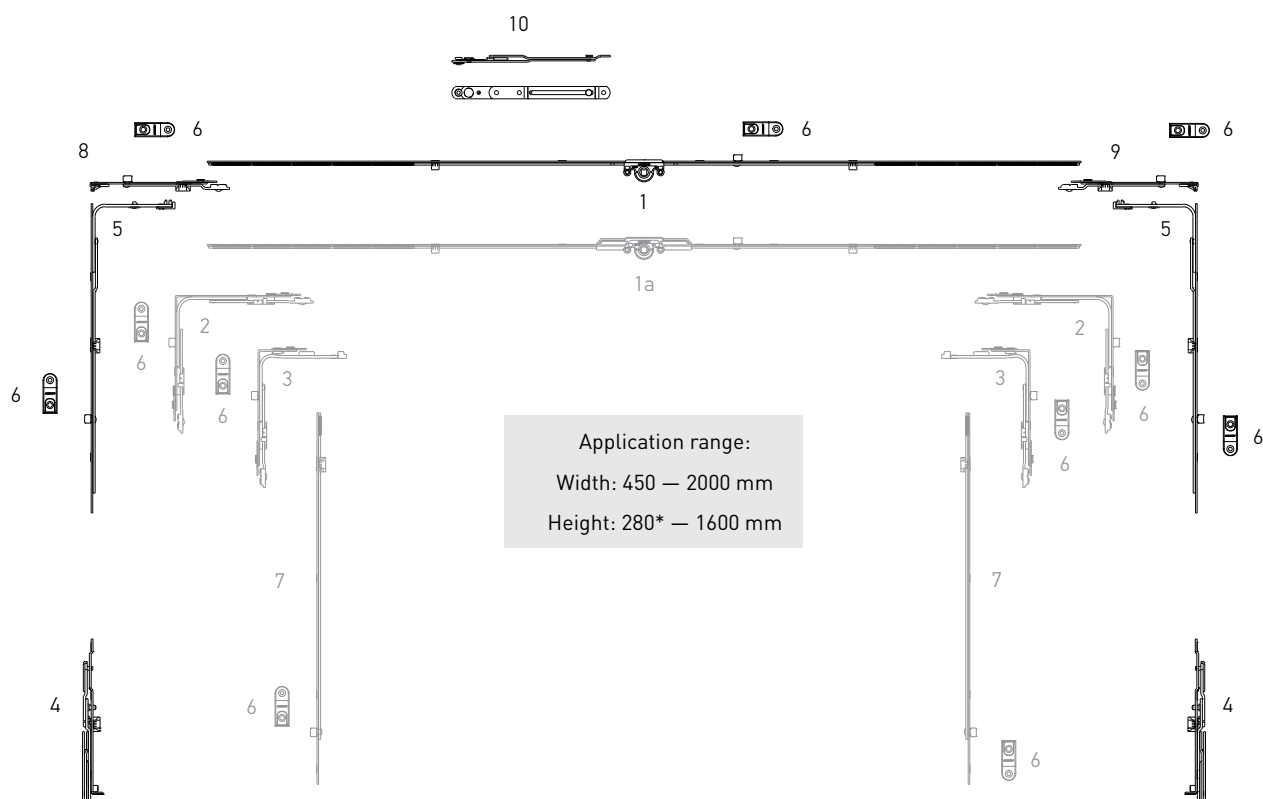
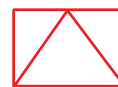
| Nº | Description                                                   | Application range by width | Application range by height | Part No.     |
|----|---------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 1 L=300, 300 - 500, 2ML                         | 380-700                    | 300-500                     | K1003-03-N03 |
|    | Gear variable 2 L=400, 401 - 600, 2ML                         |                            | 401-600                     | K1003-04-N03 |
|    | Gear variable 3 L=600, 601 - 800, 2ML                         |                            | 601-800                     | K1003-06-N03 |
|    | Gear variable 4 L=800, 801 - 1000, 2 ML                       |                            | 801-1000                    | K1003-08-N03 |
|    | Gear variable 5 L=1000, 1001 - 1200, 3 ML                     |                            | 1001-1200                   | K1003-10-N03 |
|    | Gear variable 6 L=1200, 1201 - 1400, 3ML                      |                            | 1201-1400                   | K1003-12-N03 |
|    | Gear variable 7 L=1400, 1401 - 1600, 3ML                      |                            | 1401-1600                   | K1003-14-N03 |
|    | Gear variable 8 L=1600, 1601 - 1800, 4ML                      |                            | 1601-1800                   | K1003-16-N03 |
|    | Gear variable 9 L=1800, 1801 - 2000, 4ML                      |                            | 1801-2000                   | K1003-18-N03 |
|    | Gear variable 10 L=2000, 2001 - 2200, 4ML                     |                            | 2001-2200                   | K1003-20-N03 |
|    | Gear variable 11 L=2200, 2201 - 2400, 4ML                     |                            | 2201-2400                   | K1003-22-N03 |
| 2  | Concealed side hung top hinge for timber profile, 9 mm, left  | –                          | –                           | A5024-09-L03 |
|    | Concealed side hung top hinge for timber profile, 9 mm, right | –                          | –                           | A5024-09-R03 |
| 3  | Standard locking plate for timber profile 9 mm, 18/8          | –                          | –                           | A7068-09-N03 |
| 4  | Concealed bottom hinge for timber profile, 9 mm, left         | –                          | –                           | A5026-09-L03 |
|    | Concealed bottom hinge for timber profile, 9 mm, right        | –                          | –                           | A5026-09-R03 |
| 5  | Concealed bottom sash hinge, 9 mm, left                       | –                          | –                           | A5027-09-L03 |
|    | Concealed bottom sash hinge, 9 mm, right                      | –                          | –                           | A5027-09-R03 |



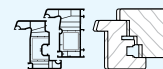
## Tilt set 9 system

### Hardware overviews

#### System K-3. Advanced tilt set 9 system



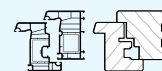
\* – without middle lock extension



## Tilt set 9 system

### Hardware overviews

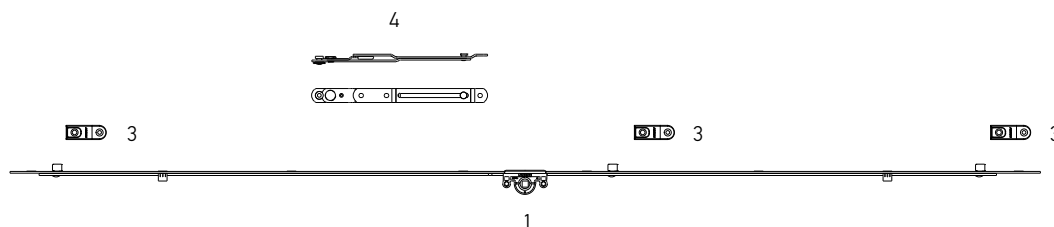
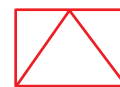
| Nº | Description                                                   | Application range by width | Application range by height | Part No.     |
|----|---------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 0, L=250, 450-550                               | —                          | 450-550                     | K1001-02-N03 |
|    | Gear variable 1, L=450, 551-750                               | —                          | 551-750                     | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                        | —                          | 751-1230                    | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                       | —                          | 950-1430                    | K1001-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML                      | —                          | 1231-1710                   | K1001-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                      | —                          | 1431-1910                   | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                      | —                          | 1911-2390                   | K1001-21-N03 |
| 1a | Gear variable 1, L=450, 551-750, backset 7,5 mm.              | —                          | 551-750                     | K1011-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML, backset 7,5 mm.       | —                          | 751-1230                    | K1011-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML, backset 7,5 mm.      | —                          | 950-1430                    | K1011-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML, backset 7,5 mm.     | —                          | 1231-1710                   | K1011-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML, backset 7,5 mm.     | —                          | 1431-1910                   | K1011-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML, backset 7,5 mm.     | —                          | 1911-2390                   | K1011-21-N03 |
| 2  | Corner transmission 150x150                                   | 480-1280                   | 450-2390                    | K2001-00-N03 |
| 3  | Narrow corner transmission 50x150                             | 380-480                    | 450-2390                    | K2003-00-N03 |
|    |                                                               | 480-680                    | 350-550                     |              |
| 4  | Concealed side hung top hinge for timber profile, 9 mm, left  | —                          | —                           | A5024-09-L03 |
|    | Concealed side hung top hinge for timber profile, 9 mm, right | —                          | —                           | A5024-09-R03 |
| 5  | Middle lock L=400, 1 ML                                       | 600-1000                   | 600-1000                    | K4001-04-N03 |
|    | Middle lock L=650, 1 ML                                       | 850-1250                   | 850-1250                    | K4001-06-N03 |
|    | Middle lock L=720, 1 ML                                       | 920-1320                   | 920-1320                    | K4001-07-N03 |
|    | Middle lock L=820, 2 ML                                       | 1251-1430                  | 1251-1430                   | K4001-08-N03 |
|    | Middle lock L=1130, 2 ML                                      | —                          | 1251-1730                   | K4001-11-N03 |
| 6  | Standard locking plate for timber profile 9 mm, 18/8          | —                          | —                           | A7068-09-N03 |
| 7  | Corner transmissions extension lock L=480 mm                  | —                          | —                           | K4010-00-N03 |
| 8  | Bottom extension for turn sash 90°                            | —                          | —                           | K4007-00-N03 |
| 9  | Top extension for turn sash 180°                              | —                          | —                           | K4011-00-N03 |
| 10 | Tilt stay arm (fixing on gear)                                | —                          | —                           | A7017-00-N03 |



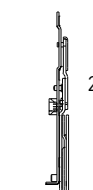
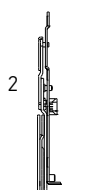
## Tilt set 9 system

### Hardware overviews

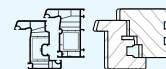
#### System K-3. Tilt set 9 system



Application range:  
Width: 300 — 2000 mm  
Height: 280 — 700 mm



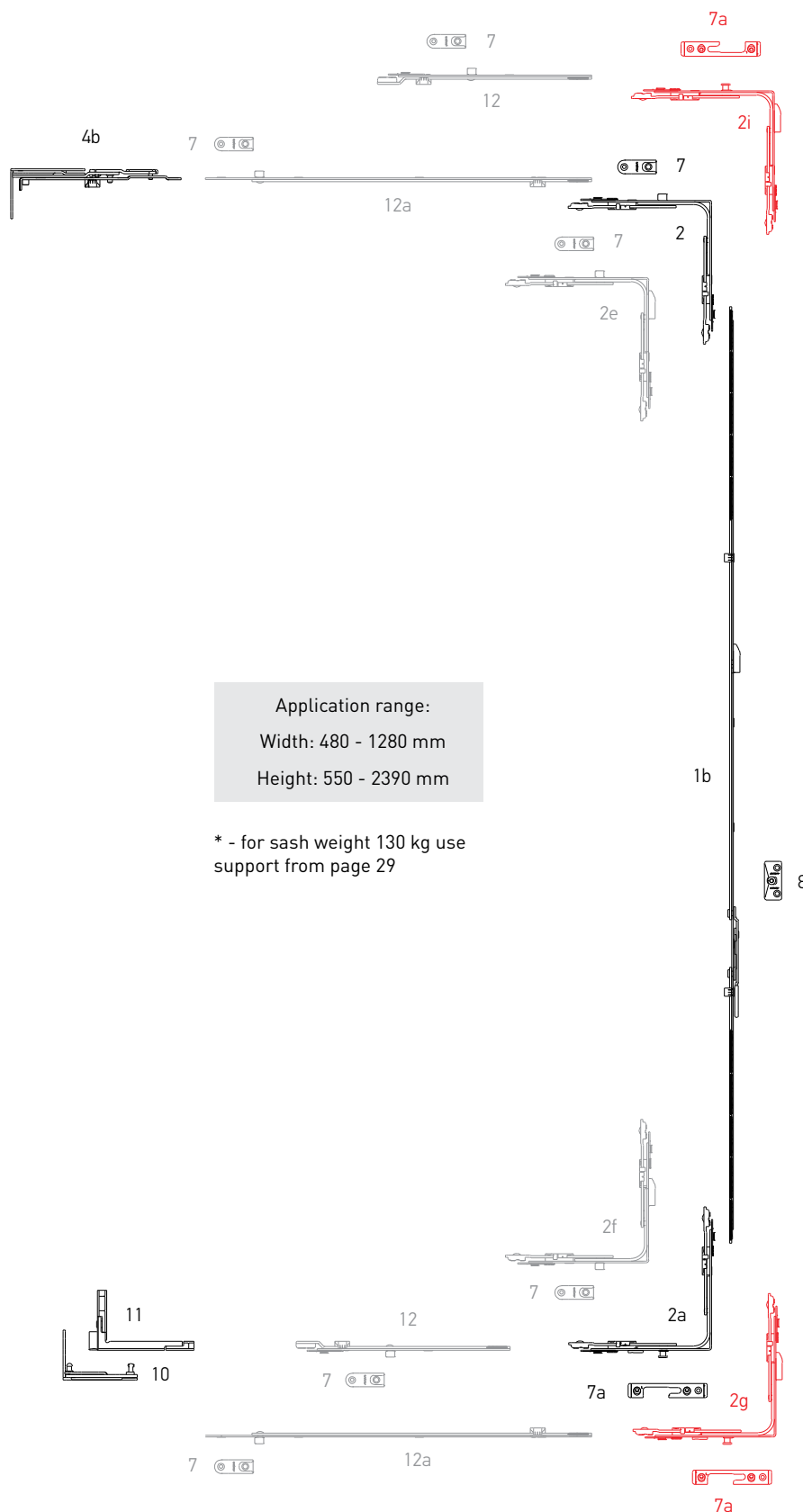
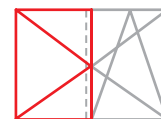
| Nº | Description                                                   | Application range by width | Application range by height | Part No.     |
|----|---------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 1 L=300, 300 - 500, 2ML                         | 380-700                    | 300-500                     | K1003-03-N03 |
|    | Gear variable 2 L=400, 401 - 600, 2ML                         |                            | 401-600                     | K1003-04-N03 |
|    | Gear variable 3 L=600, 601 - 800, 2ML                         |                            | 601-800                     | K1003-06-N03 |
|    | Gear variable 4 L=800, 801 - 1000, 2 ML                       |                            | 801-1000                    | K1003-08-N03 |
|    | Gear variable 5 L=1000, 1001 - 1200, 3 ML                     |                            | 1001-1200                   | K1003-10-N03 |
|    | Gear variable 6 L=1200, 1201 - 1400, 3ML                      |                            | 1201-1400                   | K1003-12-N03 |
|    | Gear variable 7 L=1400, 1401 - 1600, 3ML                      |                            | 1401-1600                   | K1003-14-N03 |
|    | Gear variable 8 L=1600, 1601 - 1800, 4ML                      |                            | 1601-1800                   | K1003-16-N03 |
|    | Gear variable 9 L=1800, 1801 - 2000, 4ML                      |                            | 1801-2000                   | K1003-18-N03 |
|    | Gear variable 10 L=2000, 2001 - 2200, 4ML                     |                            | 2001-2200                   | K1003-20-N03 |
|    | Gear variable 11 L=2200, 2201 - 2400, 4ML                     |                            | 2201-2400                   | K1003-22-N03 |
| 2  | Concealed side hung top hinge for timber profile, 9 mm, left  | —                          | —                           | A5024-09-L03 |
|    | Concealed side hung top hinge for timber profile, 9 mm, right | —                          | —                           | A5024-09-R03 |
| 3  | Standard locking plate for timber profile 9 mm, 18/8          | —                          | —                           | A7068-09-N03 |
| 4  | Tilt stay arm (fixing on gear)                                | —                          | —                           | A7017-00-N03 |

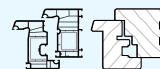


## Double sash set 9 system

Hardware overviews

### System K-3. Double sash set 9 system

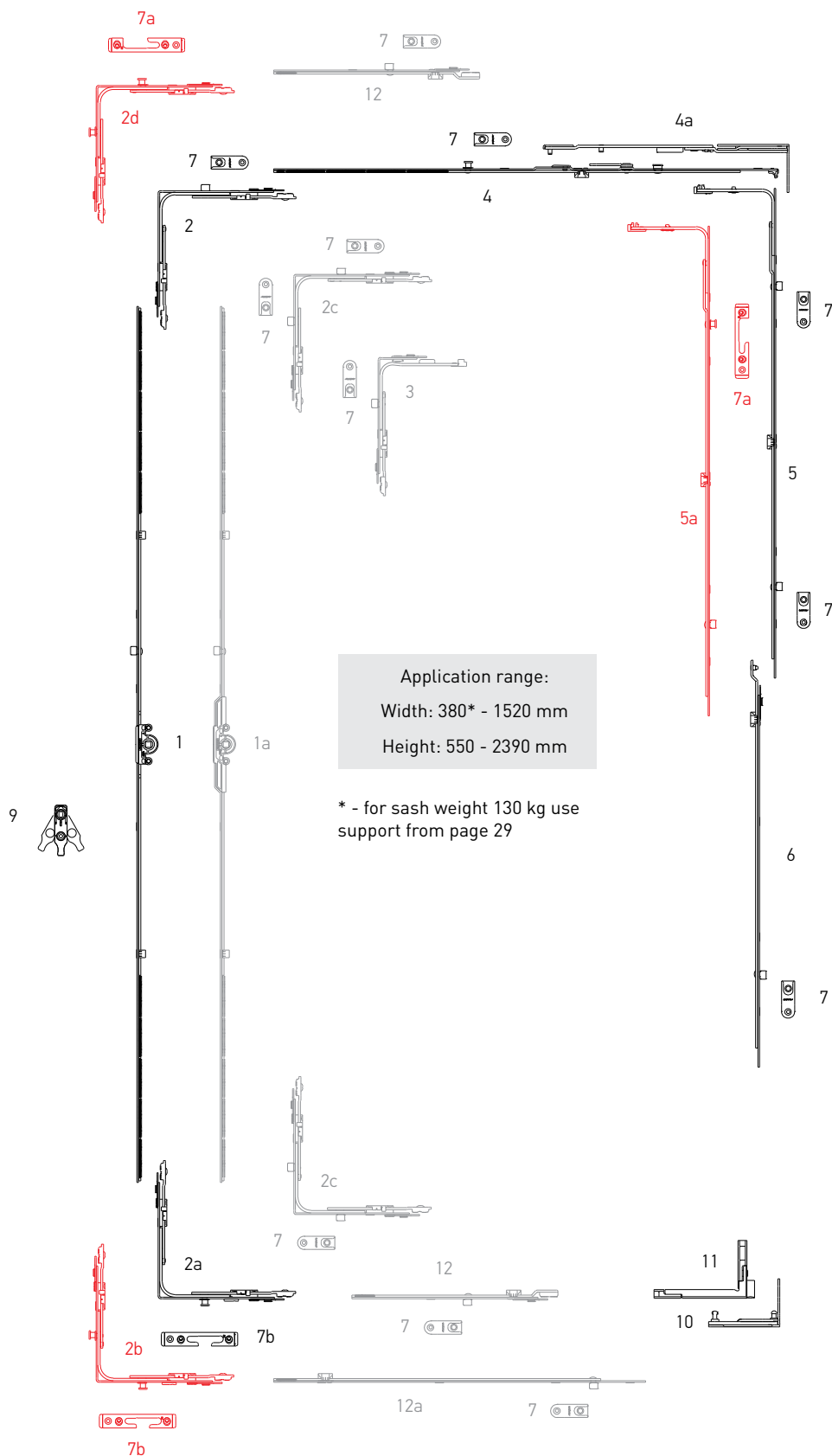
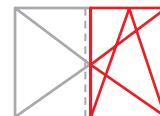




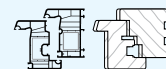
## Double sash set 9 system

### Hardware overviews

#### System K-3. Main sash 9 system



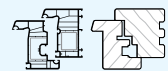
\* -with narrow corner transmission



## Double sash set 9 system

### Hardware overviews

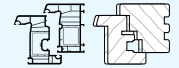
| Nº | Description                                                    | Application range by width | Application range by height | Part No.     |
|----|----------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 0, L=250, 450-550                                | –                          | 450-550                     | K1001-02-N03 |
|    | Gear variable 1, L=450, 551-750                                | –                          | 551-750                     | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                         | –                          | 751-1230                    | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                        | –                          | 950-1430                    | K1001-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML                       | –                          | 1231-1710                   | K1001-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                       | –                          | 1431-1910                   | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                       | –                          | 1911-2390                   | K1001-21-N03 |
| 1a | Gear variable 1, L=450, 551-750, backset 7,5 mm.               | —                          | 551-750                     | K1011-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML, backset 7,5 mm.        | —                          | 751-1230                    | K1011-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML, backset 7,5 mm.       | —                          | 950-1430                    | K1011-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML, backset 7,5 mm.      | —                          | 1231-1710                   | K1011-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML, backset 7,5 mm.      | —                          | 1431-1910                   | K1011-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML, backset 7,5 mm.      | —                          | 1911-2390                   | K1011-21-N03 |
| 1b | Double sash lever espagnolette variable 1 L=450, 551-750       | –                          | 551-750                     | K1002-04-N03 |
|    | Double sash lever espagnolette variable 2 L=650, 751-950       | –                          | 751-950                     | K1002-06-N03 |
|    | Double sash lever espagnolette variable 3 L=1130, 951-1430     | –                          | 951-1430                    | K1002-11-N03 |
|    | Double sash lever espagnolette variable 4 L=1610, 1431-1910    | –                          | 1431-1910                   | K1002-16-N03 |
|    | Double sash lever espagnolette variable 5 L=2090, 1911-2390    | –                          | 1911-2390                   | K1002-21-N03 |
| 2  | Corner transmission 150x150                                    | 480-1280                   | 450-2390                    | K2001-00-N03 |
| 2a | Bottom corner transmission with lifter                         | 480-1280                   | 450-2390                    | K2008-00-N03 |
| 2b | Bottom corner transmission with lifter, 2ML, 150x150           | 480-1280                   | 450-2390                    | K2009-00-N03 |
| 2c | Corner transmission 2 ML, 150x150                              | 480-1280                   | 450-2390                    | K2002-00-N03 |
| 2d | Corner transmission 2 ML, 150x150, Se                          | 480-1280                   | 450-2390                    | K2012-00-N03 |
| 2e | Corner transmission for double sash, top                       | 480-1280                   | 450-2390                    | K2007-01-N03 |
| 2f | Corner transmission for double sash, bottom                    | 480-1280                   | 450-2390                    | K2007-02-N03 |
| 2g | Corner transmission for double sash for timber profile, bottom | 480-1280                   | 450-2390                    | K2010-00-N03 |
| 2i | Corner transmission for double sash, Se, top                   | 480-1280                   | 450-2390                    | K2011-00-N03 |
| 3  | Narrow corner transmission 50x150                              | 380-480                    | 450-2390                    | K2003-00-N03 |
|    |                                                                | 480-680                    | 350-550                     |              |
| 4  | Concealed stay arm connecting plate 1 L=530, 480-680, left     | 480-680                    | –                           | K3030-06-L03 |
|    | Concealed stay arm connecting plate 1 L=530, 480-680, right    | 480-680                    | –                           | K3030-06-R03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, left     | 600-800                    | –                           | K3030-07-L03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, right    | 600-800                    | –                           | K3030-07-R03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, left    | 801-1040                   | –                           | K3030-09-L03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, right   | 801-1040                   | –                           | K3030-09-R03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, left  | 1041-1280                  | –                           | K3030-12-L03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, right | 1041-1280                  | –                           | K3030-12-R03 |
| 4a | Concealed stay arm for timber profile, 9 mm, 480-800, left     | 480-800                    | –                           | A3004-02-L03 |
|    | Concealed stay arm for timber profile, 9 mm, 480-800, right    | 480-800                    | –                           | A3004-02-R03 |
|    | Concealed stay arm for timber profile, 9 mm, 801-1040, left    | 801-1040                   | –                           | A3004-03-L03 |
|    | Concealed stay arm for timber profile, 9 mm, 801-1040, right   | 801-1040                   | –                           | A3004-03-R03 |
|    | Concealed stay arm for timber profile, 9 mm, 1041-1280, left   | 1041-1280                  | –                           | A3004-04-L03 |
|    | Concealed stay arm for timber profile, 9 mm, 1041-1280, right  | 1041-1280                  | –                           | A3004-04-R03 |
| 4b | Concealed side hung top hinge for timber profile, 9 mm, left   | –                          | –                           | A5024-09-L03 |
|    | Concealed side hung top hinge for timber profile, 9 mm, right  | –                          | –                           | A5024-09-R03 |



## Double sash set 9 system

### Hardware overviews

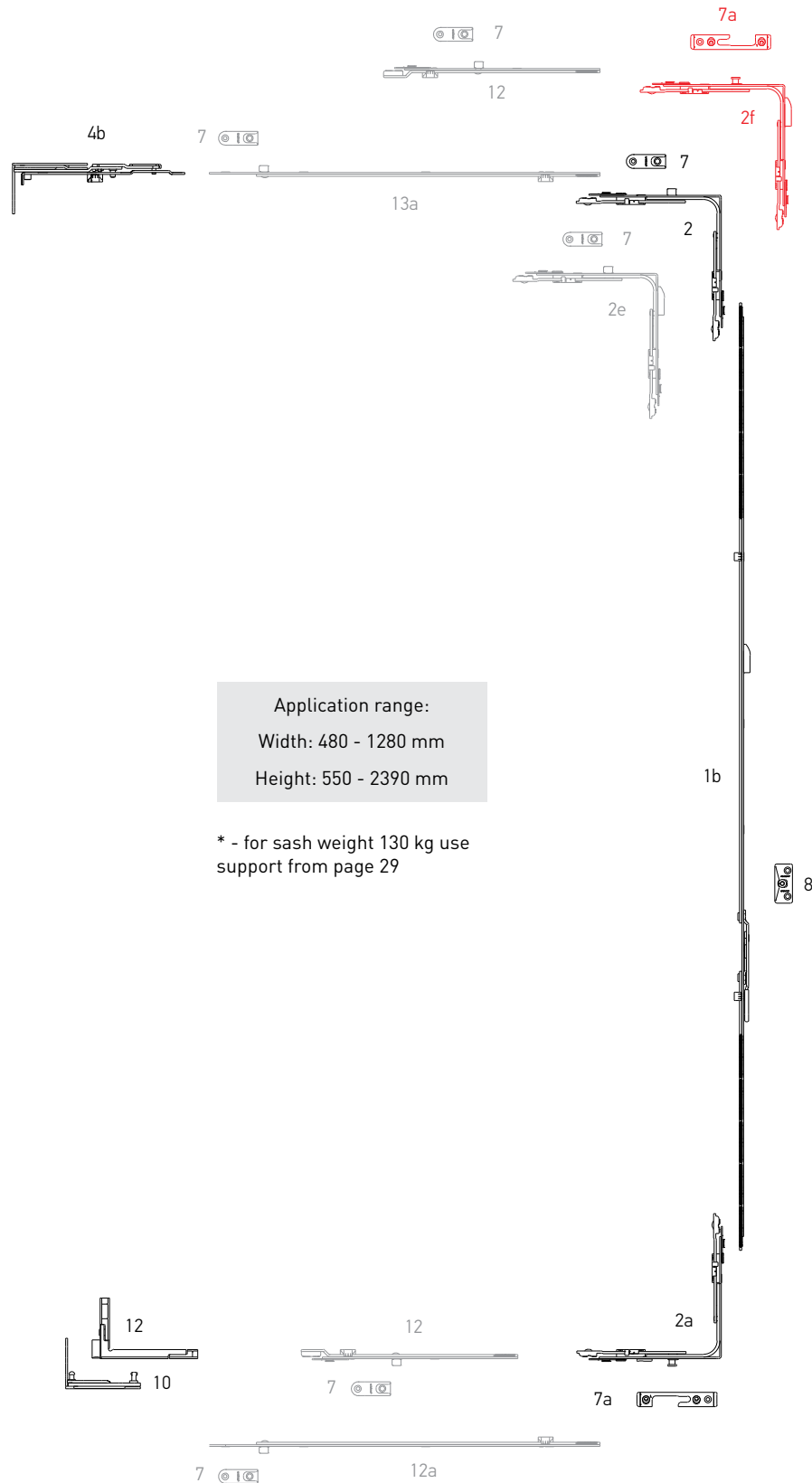
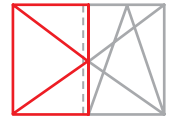
| Nº  | Description                                                         | Application range by width | Application range by height | Part No.       |
|-----|---------------------------------------------------------------------|----------------------------|-----------------------------|----------------|
| 5   | Middle lock L=400, 2 ML                                             | 600-1000                   | 600-1000                    | K4004-04-N03   |
|     | Middle lock L=650, 2 ML                                             | 850-1250                   | 850-1250                    | K4004-06-N03   |
|     | Middle lock L=720, 2 ML                                             | 920-1320                   | 920-1320                    | K4004-07-N03   |
|     | Middle lock L=820, 2 ML                                             | 1251-1430                  | 1251-1430                   | K4004-08-N03   |
|     | Middle lock L=1130, 3 ML                                            | —                          | 1251-1730                   | K4004-11-N03   |
| 5a  | Middle lock L=400, 1MR + 1 ML                                       | 600-1000                   | 600-1000                    | K4008-04-N03   |
|     | Middle lock L=650, 1MR + 1 ML                                       | 850-1250                   | 850-1250                    | K4008-06-N03   |
|     | Middle lock L=820, 1MR + 1 ML                                       | 1251-1430                  | 1251-1430                   | K4008-08-N03   |
|     | Middle lock L=1130, 1MR + 2 ML                                      | —                          | 1251-1730                   | K4008-11-N03   |
| 6   | Middle lock extension 480 mm                                        | —                          | 1710-2210                   | K4005-05-N03   |
|     | Middle lock extension 680 mm                                        | —                          | 2231-2390                   | K4005-07-N03   |
| 7   | Standard locking plate for timber profile 9 mm, 18/8                | —                          | —                           | A7068-09-N03   |
| 7a  | Locking plate Se for timber profile 9 mm, 18/8 left/right           | —                          | —                           | S6030-09-L/R03 |
| 7b  | Tilt safety locking plate for timber profile 9 mm, 18/8, left/right | —                          | —                           | S6032-09-L/R03 |
| 8   | Lifting plate for double sash                                       | —                          | 751-2390                    | A6001-00-N03   |
| 9   | Wrong op. safety device with sash lifter                            | —                          | 751-2390                    | A7001-00-N03   |
| 10  | Concealed bottom hinge for timber profile, 9 mm, left               | —                          | —                           | A5026-09-L03   |
|     | Concealed bottom hinge for timber profile, 9 mm, right              | —                          | —                           | A5026-09-R03   |
| 11  | Concealed bottom sash hinge, 9 mm, left                             | —                          | —                           | A5027-09-L03   |
|     | Concealed bottom sash hinge, 9 mm, right                            | —                          | —                           | A5027-09-R03   |
| 12  | Extension lock 240 mm                                               | —                          | —                           | K4003-02-N03   |
| 12a | Corner transmissions extension lock L=480 mm                        | —                          | —                           | K4010-00-N03   |

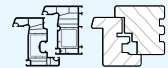


## Double sash set "First Tilt" 9 system

Hardware overviews

System K-3. Double sash set "First Tilt" 9 system

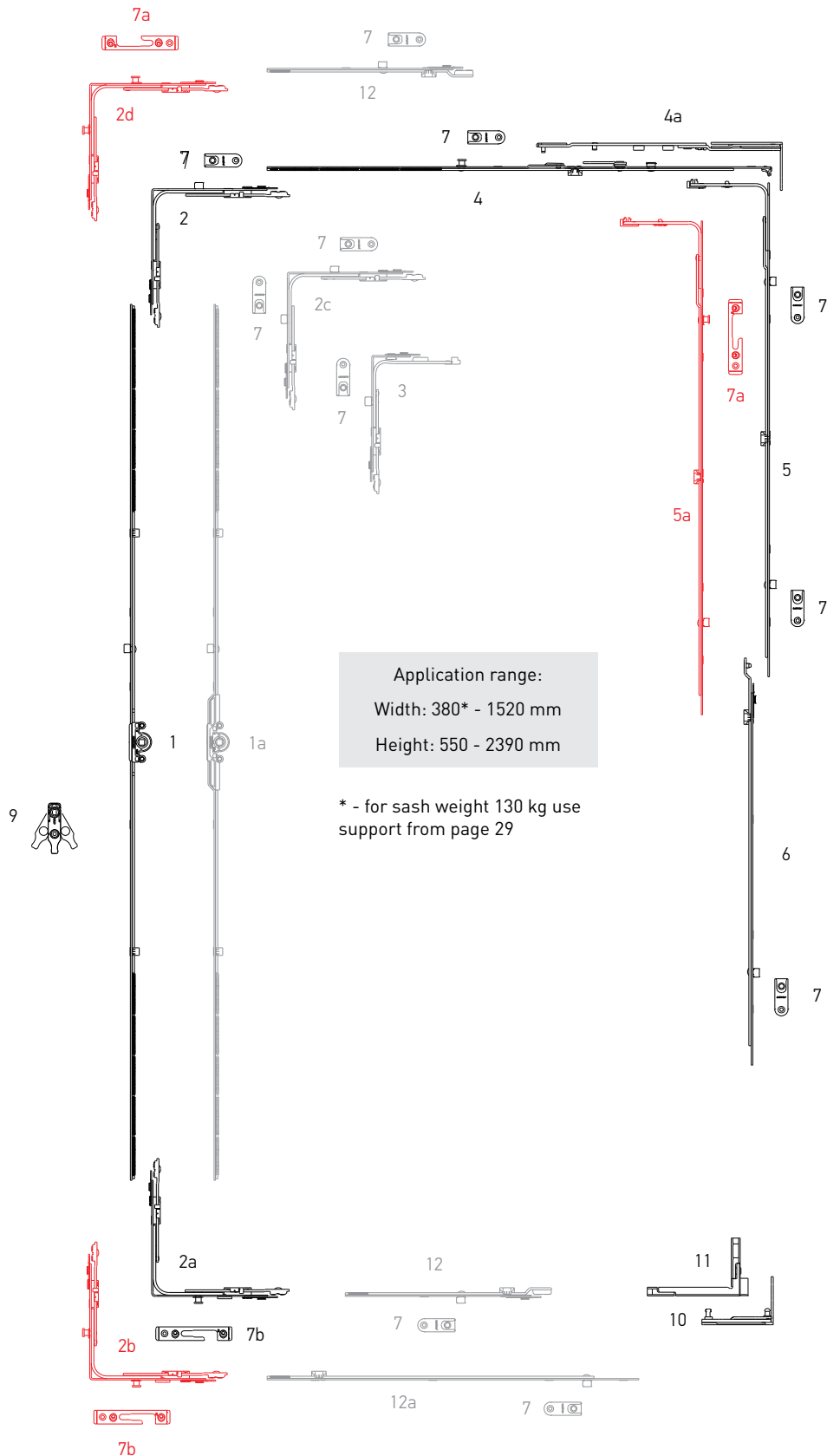
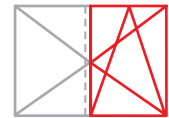




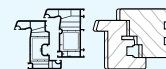
## Double sash set “First Tilt” 9 system

Hardware overviews

### System K-3. Main sash “First Tilt” 9 system



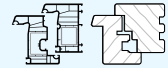
\* -with narrow corner transmission



## Double sash set "First Tilt" 9 system

### Hardware overviews

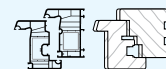
| Nº | Description                                                                | Application range by width | Application range by height | Part No.     |
|----|----------------------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 0, L=250, 450-550                                            | –                          | 450-550                     | K1001-02-N03 |
|    | Gear variable 1, L=450, 551-750                                            | –                          | 551-750                     | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                                     | –                          | 751-1230                    | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                                    | –                          | 950-1430                    | K1001-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML                                   | –                          | 1231-1710                   | K1001-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                                   | –                          | 1431-1910                   | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                                   | –                          | 1911-2390                   | K1001-21-N03 |
| 1a | Gear variable 1, L=450, 551-750, backset 7,5 mm.                           | —                          | 551-750                     | K1011-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML, backset 7,5 mm.                    | —                          | 751-1230                    | K1011-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML, backset 7,5 mm.                   | —                          | 950-1430                    | K1011-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML, backset 7,5 mm.                  | —                          | 1231-1710                   | K1011-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML, backset 7,5 mm.                  | —                          | 1431-1910                   | K1011-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML, backset 7,5 mm.                  | —                          | 1911-2390                   | K1011-21-N03 |
| 1b | Double sash lever espagnolette variable 1 L=450, 551-750                   | –                          | 551-750                     | K1002-04-N03 |
|    | Double sash lever espagnolette variable 2 L=650, 751-950                   | –                          | 751-950                     | K1002-06-N03 |
|    | Double sash lever espagnolette variable 3 L=1130, 951-1430                 | –                          | 951-1430                    | K1002-11-N03 |
|    | Double sash lever espagnolette variable 4 L=1610, 1431-1910                | –                          | 1431-1910                   | K1002-16-N03 |
|    | Double sash lever espagnolette variable 5 L=2090, 1911-2390                | –                          | 1911-2390                   | K1002-21-N03 |
| 2  | Corner transmission 150x150                                                | 480-1280                   | 450-2390                    | K2001-00-N03 |
| 2a | Bottom corner transmission with lifter                                     | 480-1280                   | 450-2390                    | K2008-00-N03 |
| 2b | Bottom corner transmission with lifter, 2ML, 150x150                       | 480-1280                   | 450-2390                    | K2009-00-N03 |
| 2c | Corner transmission 2 ML, 150x150                                          | 480-1280                   | 450-2390                    | K2002-00-N03 |
| 2d | Corner transmission 2 ML, 150x150, Se                                      | 480-1280                   | 450-2390                    | K2012-00-N03 |
| 2e | Corner transmission for double sash, top                                   | 480-1280                   | 450-2390                    | K2007-01-N03 |
| 2f | Corner transmission for double sash, Se, top                               | 480-1280                   | 450-2390                    | K2011-00-N03 |
| 3  | Narrow corner transmission 50x150                                          | 380-480                    | 450-2390                    | K2003-00-N03 |
|    |                                                                            | 480-680                    | 350-550                     |              |
| 4  | Concealed stay arm connecting plate 1 L=530, 480-680, left                 | 480-680                    | –                           | K3030-06-L03 |
|    | Concealed stay arm connecting plate 1 L=530, 480-680, right                | 480-680                    | –                           | K3030-06-R03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, left                 | 600-800                    | –                           | K3030-07-L03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, right                | 600-800                    | –                           | K3030-07-R03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, left                | 801-1040                   | –                           | K3030-09-L03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, right               | 801-1040                   | –                           | K3030-09-R03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, left              | 1041-1280                  | –                           | K3030-12-L03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, right             | 1041-1280                  | –                           | K3030-12-R03 |
| 4a | Concealed stay arm "First Tilt" for timber profile, 9 mm, 480-800, left    | 480-800                    | –                           | A3008-02-L03 |
|    | Concealed stay arm "First Tilt" for timber profile, 9 mm, 480-800, right   | 480-800                    | –                           | A3008-02-R03 |
|    | Concealed stay arm "First Tilt" for timber profile, 9 mm, 801-1040, left   | 801-1040                   | –                           | A3008-03-L03 |
|    | Concealed stay arm "First Tilt" for timber profile, 9 mm, 801-1040, right  | 801-1040                   | –                           | A3008-03-R03 |
|    | Concealed stay arm "First Tilt" for timber profile, 9 mm, 1041-1280, left  | 1041-1280                  | –                           | A3008-04-L03 |
|    | Concealed stay arm "First Tilt" for timber profile, 9 mm, 1041-1280, right | 1041-1280                  | –                           | A3008-04-R03 |
| 4b | Concealed side hung top hinge for timber profile, 9 mm, left               | –                          | –                           | A5024-09-L03 |
|    | Concealed side hung top hinge for timber profile, 9 mm, right              | –                          | –                           | A5024-09-R03 |



## Double sash set “First Tilt” 9 system

### Hardware overviews

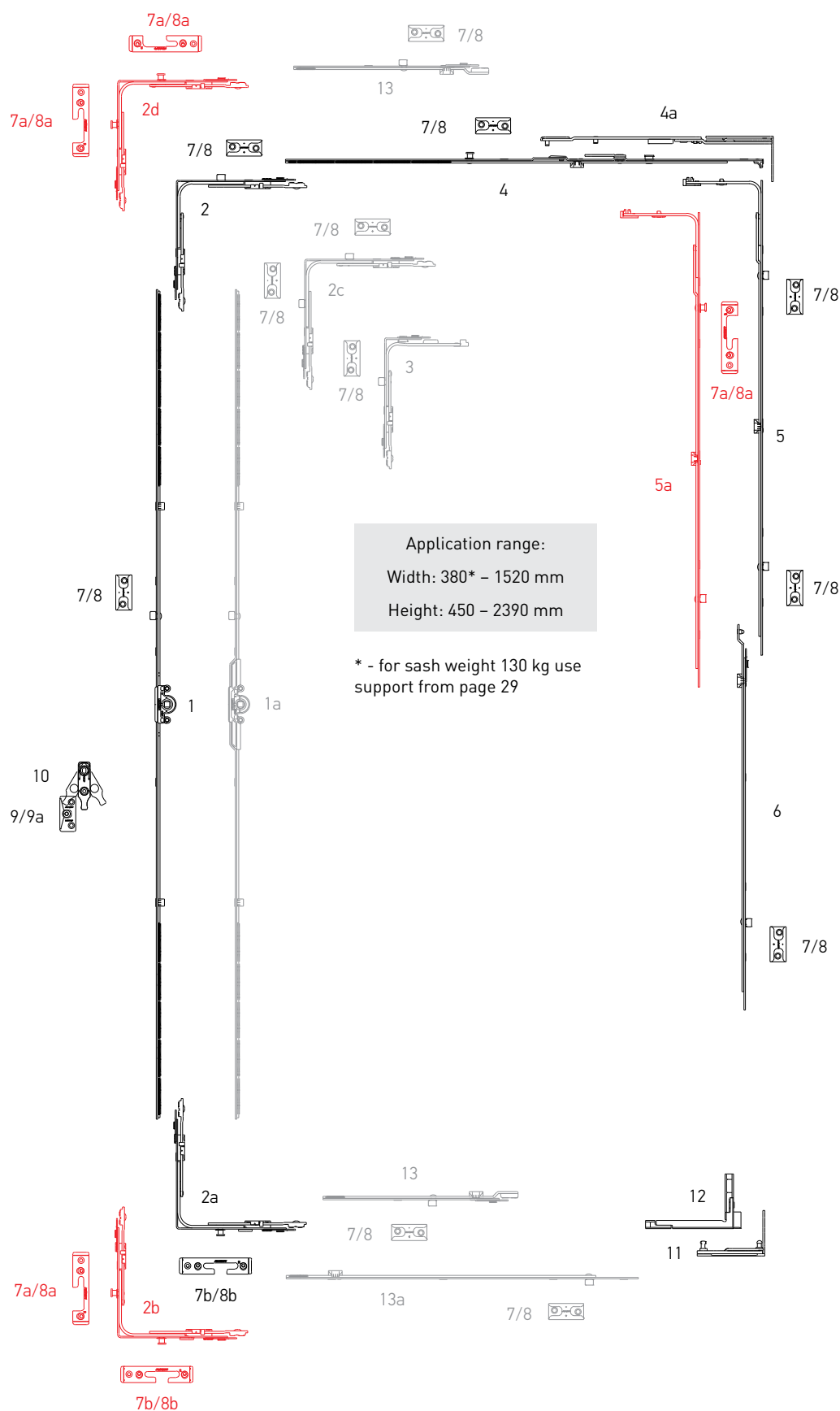
| Nº  | Description                                               | Application range by width | Application range by height | Part No.       |
|-----|-----------------------------------------------------------|----------------------------|-----------------------------|----------------|
| 5   | Middle lock L=400, 2 ML                                   | 600-1000                   | 600-1000                    | K4004-04-N03   |
|     | Middle lock L=650, 2 ML                                   | 850-1250                   | 850-1250                    | K4004-06-N03   |
|     | Middle lock L=720, 2 ML                                   | 920-1320                   | 920-1320                    | K4004-07-N03   |
|     | Middle lock L=820, 2 ML                                   | 1251-1430                  | 1251-1430                   | K4004-08-N03   |
|     | Middle lock L=1130, 3 ML                                  | —                          | 1251-1730                   | K4004-11-N03   |
| 5a  | Middle lock L=400, 1MR + 1 ML                             | 600-1000                   | 600-1000                    | K4008-04-N03   |
|     | Middle lock L=650, 1MR + 1 ML                             | 850-1250                   | 850-1250                    | K4008-06-N03   |
|     | Middle lock L=820, 1MR + 1 ML                             | 1251-1430                  | 1251-1430                   | K4008-08-N03   |
|     | Middle lock L=1130, 1MR + 2 ML                            | —                          | 1251-1730                   | K4008-11-N03   |
| 6   | Middle lock extension 480 mm                              | —                          | 1710-2210                   | K4005-05-N03   |
|     | Middle lock extension 680 mm                              | —                          | 2231-2390                   | K4005-07-N03   |
| 7   | Standard locking plate for timber profile 9 mm, 18/8      | —                          | —                           | A7068-09-N03   |
| 7a  | Locking plate Se for timber profile 9 mm, 18/8 left/right | —                          | —                           | S6030-09-L/R03 |
| 7b  | Tilt locking plate “First Tilt” 9 mm, 18/8, left/right    | —                          | —                           | S6052-09-L/R03 |
| 8   | Lifting plate for double sash                             | —                          | 751-2390                    | A6001-00-N03   |
| 9   | Wrong op. safety device with sash lifter                  | —                          | 751-2390                    | A7001-00-N03   |
| 10  | Concealed bottom hinge for timber profile, 9 mm, left     | —                          | —                           | A5026-09-L03   |
|     | Concealed bottom hinge for timber profile, 9 mm, right    | —                          | —                           | A5026-09-R03   |
| 11  | Concealed bottom sash hinge, 9 mm, left                   | —                          | —                           | A5027-09-L03   |
|     | Concealed bottom sash hinge, 9 mm, right                  | —                          | —                           | A5027-09-R03   |
| 12  | Extension lock 240 mm                                     | —                          | —                           | K4003-02-N03   |
| 12a | Corner transmissions extension lock L=480 mm              | —                          | —                           | K4010-00-N03   |



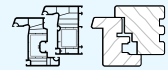
# Tilt and turn set 13 system

Hardware overviews

System K-3. Tilt and turn set 13 system



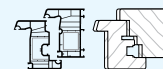
\* –with narrow corner transmission



## Tilt and turn set 13 system

### Hardware overviews

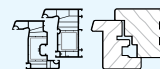
| Nº | Description                                                    | Application range by width | Application range by height | Part No.     |
|----|----------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 0, L=250, 450-550                                | —                          | 450-550                     | K1001-02-N03 |
|    | Gear variable 1, L=450, 551-750                                | —                          | 551-750                     | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                         | —                          | 751-1230                    | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                        | —                          | 950-1430                    | K1001-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML                       | —                          | 1231-1710                   | K1001-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                       | —                          | 1431-1910                   | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                       | —                          | 1911-2390                   | K1001-21-N03 |
| 1a | Gear variable 1, L=450, 551-750, backset 7,5 mm.               | —                          | 551-750                     | K1011-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML, backset 7,5 mm.        | —                          | 751-1230                    | K1011-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML, backset 7,5 mm.       | —                          | 950-1430                    | K1011-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML, backset 7,5 mm.      | —                          | 1231-1710                   | K1011-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML, backset 7,5 mm.      | —                          | 1431-1910                   | K1011-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML, backset 7,5 mm.      | —                          | 1911-2390                   | K1011-21-N03 |
| 2  | Corner transmission 150x150                                    | 480-1280                   | 450-2390                    | K2001-00-N03 |
| 2a | Bottom corner transmission with lifter, Se 150x150             | 480-1280                   | 450-2390                    | K2008-00-N03 |
| 2b | Bottom corner transmission with lifter, 2ML, 150x150           | 480-1280                   | 450-2390                    | K2009-00-N03 |
| 2c | Corner transmission 2 ML, 150x150                              | 480-1280                   | 450-2390                    | K2002-00-N03 |
| 2d | Corner transmission, 2 ML, Se                                  | 480-1280                   | 450-2390                    | K2012-00-N03 |
| 3  | Narrow corner transmission 50x150                              | 380-480                    | 450-2390                    | K2003-00-N03 |
|    |                                                                | 480-680                    | 350-550                     |              |
| 4  | Concealed stay arm connecting plate 1 L=530, 480-680, left     | 480-680                    | —                           | K3030-06-L03 |
|    | Concealed stay arm connecting plate 1 L=530, 480-680, right    | 480-680                    | —                           | K3030-06-R03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, left     | 600-800                    | —                           | K3030-07-L03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, right    | 600-800                    | —                           | K3030-07-R03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, left    | 801-1040                   | —                           | K3030-09-L03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, right   | 801-1040                   | —                           | K3030-09-R03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, left  | 1041-1280                  | —                           | K3030-12-L03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, right | 1041-1280                  | —                           | K3030-12-R03 |
| 4a | Concealed stay arm for timber profile, 13 mm, 480-800, left    | 480-800                    | —                           | A3003-02-L03 |
|    | Concealed stay arm for timber profile, 13 mm, 480-800, right   | 480-800                    | —                           | A3003-02-R03 |
|    | Concealed stay arm for timber profile, 13 mm, 801-1040, left   | 801-1040                   | —                           | A3003-03-L03 |
|    | Concealed stay arm for timber profile, 13 mm, 801-1040, right  | 801-1040                   | —                           | A3003-03-R03 |
|    | Concealed stay arm for timber profile, 13 mm, 1041-1280, left  | 1041-1280                  | —                           | A3003-04-L03 |
|    | Concealed stay arm for timber profile, 13 mm, 1041-1280, right | 1041-1280                  | —                           | A3003-04-R03 |
| 5  | Middle lock L=400, 2 ML                                        | 600-1000                   | 600-1000                    | K4004-04-N03 |
|    | Middle lock L=650, 2 ML                                        | 850-1250                   | 850-1250                    | K4004-06-N03 |
|    | Middle lock L=720, 2 ML                                        | 920-1320                   | 920-1320                    | K4004-07-N03 |
|    | Middle lock L=820, 2 ML                                        | 1251-1430                  | 1251-1430                   | K4004-08-N03 |
|    | Middle lock L=1130, 3 ML                                       | —                          | 1251-1730                   | K4004-11-N03 |
| 5a | Middle lock L=400, 1MR + 1 ML                                  | 600-1000                   | 600-1000                    | K4008-04-N03 |
|    | Middle lock L=650, 1MR + 1 ML                                  | 850-1250                   | 850-1250                    | K4008-06-N03 |
|    | Middle lock L=820, 1MR + 1 ML                                  | 1251-1430                  | 1251-1430                   | K4008-08-N03 |
|    | Middle lock L=1130, 1MR + 2 ML                                 | —                          | 1251-1730                   | K4008-11-N03 |



## Tilt and turn set 13 system

### Hardware overviews

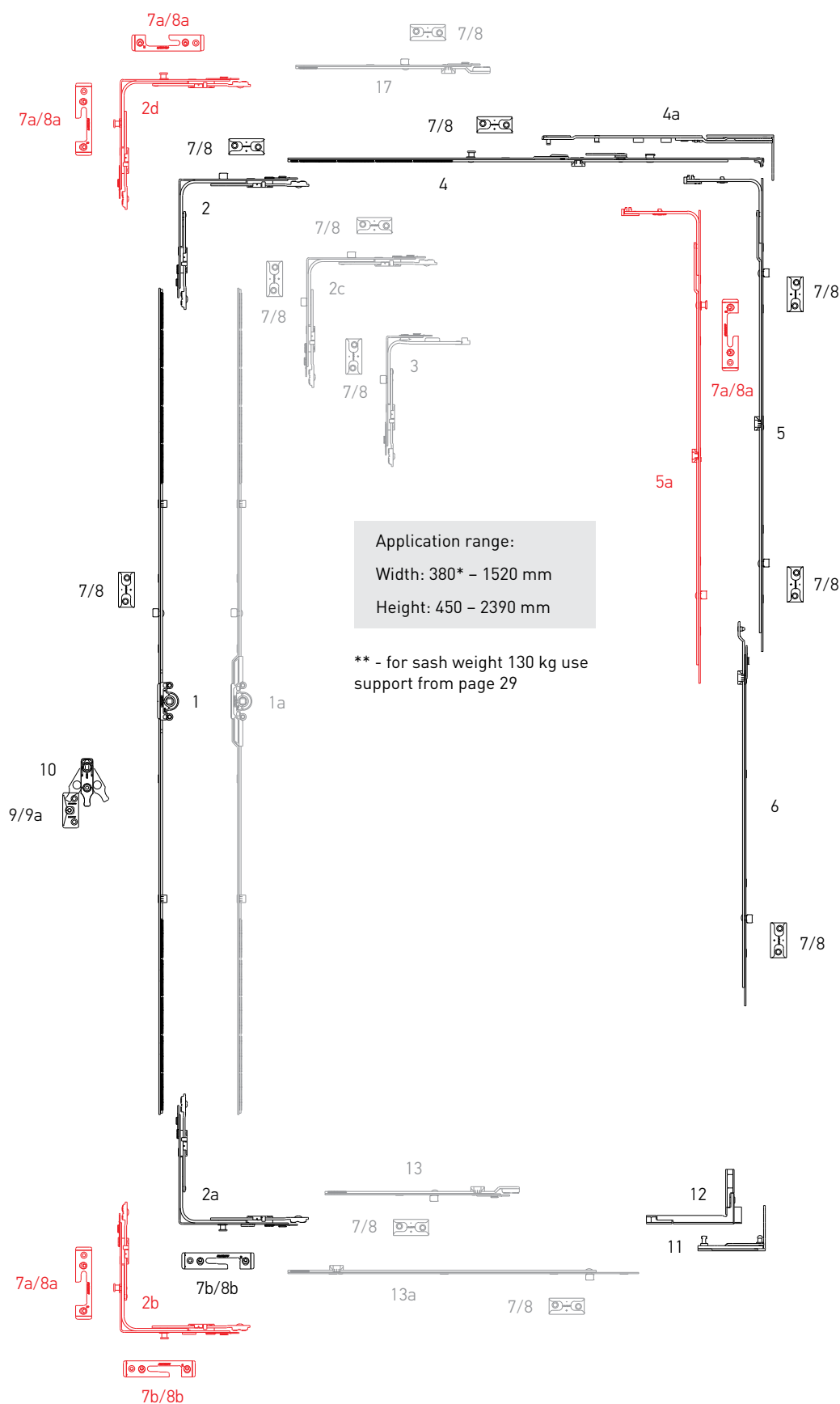
| Nº  | Description                                             | Application range by width | Application range by height | Part No.       |
|-----|---------------------------------------------------------|----------------------------|-----------------------------|----------------|
| 6   | Middle lock extension 480 mm                            | –                          | 1710-2210                   | K4005-05-N03   |
|     | Middle lock extension 680 mm                            | –                          | 2211-2390                   | K4005-07-N03   |
| 7   | Standard locking plate for timber profile 13 mm, 24/8   | –                          | –                           | A7069-13-N03   |
| 7a  | Locking plate SE for timber profile 13 mm, 24/8         | –                          | –                           | S6031-13-L/R03 |
| 7b  | Tilt locking plate Se for timber profile 13 mm, 24/8    | –                          | –                           | S6033-13-L/R03 |
| 8   | Standard locking plate for timber profile 13 mm, 30/20  | –                          | –                           | A7087-13-N03   |
| 8a  | Locking plate SE for timber profile 13 mm, 30/20        | –                          | –                           | S6049-13-L/R03 |
| 8b  | Tilt locking plate Se for timber profile 13 mm, 30/20   | –                          | –                           | S6050-13-L/R03 |
| 9   | Lifting plate 13 mm, 24/8                               | –                          | 751-2390                    | A6037-13-N03   |
| 9a  | Lifting plate 13 mm, 30/20                              | –                          | 751-2390                    | A6038-13-N03   |
| 10  | Wrong op. safety device with sash lifter                | –                          | 751-2390                    | A7001-00-N03   |
| 11  | Concealed bottom hinge for timber profile, 13 mm, left  | –                          | –                           | A5026-13-L03   |
|     | Concealed bottom hinge for timber profile, 13 mm, right | –                          | –                           | A5026-13-R03   |
| 12  | Concealed bottom sash hinge, 13 mm, left                | –                          | –                           | A5027-13-L03   |
|     | Concealed bottom sash hinge, 13 mm, right               | –                          | –                           | A5027-13-R03   |
| 13  | Extension lock 240 mm                                   | –                          | –                           | K4003-02-N03   |
| 13a | Corner transmissions extension lock L=480 mm            | –                          | –                           | K4010-00-N03   |



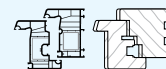
# Tilt and turn set “First Tilt” 13 system

## Hardware overviews

System K-3. Tilt and turn set “First Tilt” 13 system



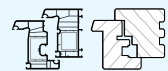
\* –with narrow corner transmission



## Tilt and turn set "First Tilt" 13 system

### Hardware overviews

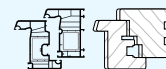
| Nº | Description                                                                 | Application range by width | Application range by height | Part No.     |
|----|-----------------------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 0, L=250, 450-550                                             | —                          | 450-550                     | K1001-02-N03 |
|    | Gear variable 1, L=450, 551-750                                             | —                          | 551-750                     | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                                      | —                          | 751-1230                    | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                                     | —                          | 950-1430                    | K1001-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML                                    | —                          | 1231-1710                   | K1001-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                                    | —                          | 1431-1910                   | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                                    | —                          | 1911-2390                   | K1001-21-N03 |
| 1a | Gear variable 1, L=450, 551-750, backset 7,5 mm.                            | —                          | 551-750                     | K1011-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML, backset 7,5 mm.                     | —                          | 751-1230                    | K1011-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML, backset 7,5 mm.                    | —                          | 950-1430                    | K1011-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML, backset 7,5 mm.                   | —                          | 1231-1710                   | K1011-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML, backset 7,5 mm.                   | —                          | 1431-1910                   | K1011-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML, backset 7,5 mm.                   | —                          | 1911-2390                   | K1011-21-N03 |
| 2  | Corner transmission 150x150                                                 | 480-1280                   | 450-2390                    | K2001-00-N03 |
| 2a | Bottom corner transmission with lifter, Se 150x150                          | 480-1280                   | 450-2390                    | K2008-00-N03 |
| 2b | Bottom corner transmission with lifter, 2ML, 150x150                        | 480-1280                   | 450-2390                    | K2009-00-N03 |
| 2c | Corner transmission 2 ML, 150x150                                           | 480-1280                   | 450-2390                    | K2002-00-N03 |
| 2d | Corner transmission, 2 ML, Se                                               | 480-1280                   | 450-2390                    | K2012-00-N03 |
| 3  | Narrow corner transmission 50x150                                           | 380-480                    | 450-2390                    | K2003-00-N03 |
|    |                                                                             | 480-680                    | 350-550                     |              |
| 4  | Concealed stay arm connecting plate 1 L=530, 480-680, left                  | 480-680                    | —                           | K3030-06-L03 |
|    | Concealed stay arm connecting plate 1 L=530, 480-680, right                 | 480-680                    | —                           | K3030-06-R03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, left                  | 600-800                    | —                           | K3030-07-L03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, right                 | 600-800                    | —                           | K3030-07-R03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, left                 | 801-1040                   | —                           | K3030-09-L03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, right                | 801-1040                   | —                           | K3030-09-R03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, left               | 1041-1280                  | —                           | K3030-12-L03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, right              | 1041-1280                  | —                           | K3030-12-R03 |
| 4a | Concealed stay arm "First Tilt" for timber profile, 13 mm, 480-800, left    | 480-800                    | —                           | A3007-02-L03 |
|    | Concealed stay arm "First Tilt" for timber profile, 13 mm, 480-800, right   | 480-800                    | —                           | A3007-02-R03 |
|    | Concealed stay arm "First Tilt" for timber profile, 13 mm, 801-1040, left   | 801-1040                   | —                           | A3007-03-L03 |
|    | Concealed stay arm "First Tilt" for timber profile, 13 mm, 801-1040, right  | 801-1040                   | —                           | A3007-03-R03 |
|    | Concealed stay arm "First Tilt" for timber profile, 13 mm, 1041-1280, left  | 1041-1280                  | —                           | A3007-04-L03 |
|    | Concealed stay arm "First Tilt" for timber profile, 13 mm, 1041-1280, right | 1041-1280                  | —                           | A3007-04-R03 |
| 5  | Middle lock L=400, 2 ML                                                     | 600-1000                   | 600-1000                    | K4004-04-N03 |
|    | Middle lock L=650, 2 ML                                                     | 850-1250                   | 850-1250                    | K4004-06-N03 |
|    | Middle lock L=720, 2 ML                                                     | 920-1320                   | 920-1320                    | K4004-07-N03 |
|    | Middle lock L=820, 2 ML                                                     | 1251-1430                  | 1251-1430                   | K4004-08-N03 |
|    | Middle lock L=1130, 3 ML                                                    | —                          | 1251-1730                   | K4004-11-N03 |
| 5a | Middle lock L=400, 1MR + 1 ML                                               | 600-1000                   | 600-1000                    | K4008-04-N03 |
|    | Middle lock L=650, 1MR + 1 ML                                               | 850-1250                   | 850-1250                    | K4008-06-N03 |
|    | Middle lock L=820, 1MR + 1 ML                                               | 1251-1430                  | 1251-1430                   | K4008-08-N03 |
|    | Middle lock L=1130, 1MR + 2 ML                                              | —                          | 1251-1730                   | K4008-11-N03 |



## Tilt and turn set “First Tilt” 13 system

### Hardware overviews

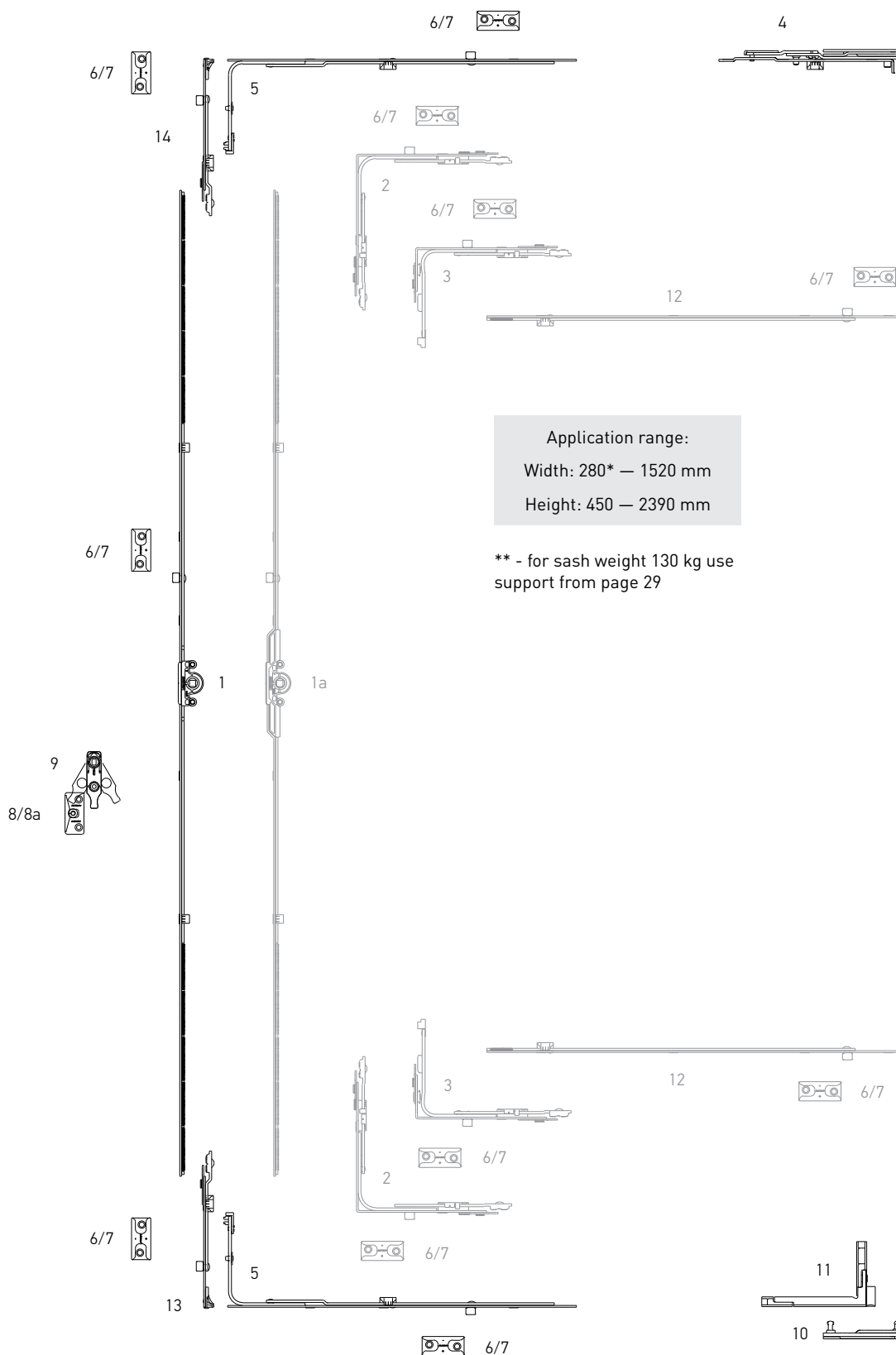
| Nº  | Description                                                             | Application range by width | Application range by height | Part No.       |
|-----|-------------------------------------------------------------------------|----------------------------|-----------------------------|----------------|
| 6   | Middle lock extension 480 mm                                            | –                          | 1710-2210                   | K4005-05-N03   |
|     | Middle lock extension 680 mm                                            | –                          | 2211-2390                   | K4005-07-N03   |
| 7   | Standard locking plate for timber profile 13 mm, 24/8                   | –                          | –                           | A7069-13-N03   |
| 7a  | Locking plate SE for timber profile 13 mm, 24/8                         | –                          | –                           | S6031-13-L/R03 |
| 7b  | First Tilt locking plate Se for timber profile 13 mm, 24/8, left/right  | –                          | –                           | S6053-13-L/R03 |
| 8   | Standard locking plate for timber profile 13 mm, 30/20                  | –                          | –                           | A7087-13-N03   |
| 8a  | Locking plate SE for timber profile 13 mm, 30/20                        | –                          | –                           | S6049-13-L/R03 |
| 8b  | First Tilt locking plate Se for timber profile 13 mm, 30/20, left/right | –                          | –                           | S6051-13-L/R03 |
| 9   | Lifting plate 13 mm, 24/8                                               | –                          | 751-2390                    | A6037-13-N03   |
| 9a  | Lifting plate 13 mm, 30/20                                              | –                          | 751-2390                    | A6038-13-N03   |
| 10  | Wrong op. safety device with sash lifter                                | –                          | 751-2390                    | A7001-00-N03   |
| 11  | Concealed bottom hinge for timber profile, 13 mm, left                  | –                          | –                           | A5026-13-L03   |
|     | Concealed bottom hinge for timber profile, 13 mm, right                 | –                          | –                           | A5026-13-R03   |
| 12  | Concealed bottom sash hinge, 13 mm, left                                | –                          | –                           | A5027-13-L03   |
|     | Concealed bottom sash hinge, 13 mm, right                               | –                          | –                           | A5027-13-R03   |
| 13  | Extension lock 240 mm                                                   | –                          | –                           | K4003-02-N03   |
| 13a | Corner transmissions extension lock L=480 mm                            | –                          | –                           | K4010-00-N03   |



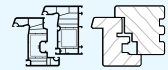
## Turn set 13 system

Hardware overviews

### System K-3. Advanced turn set 13 system



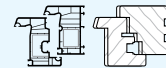
\* – without middle lock extension



## Turn set 13 system

### Hardware overviews

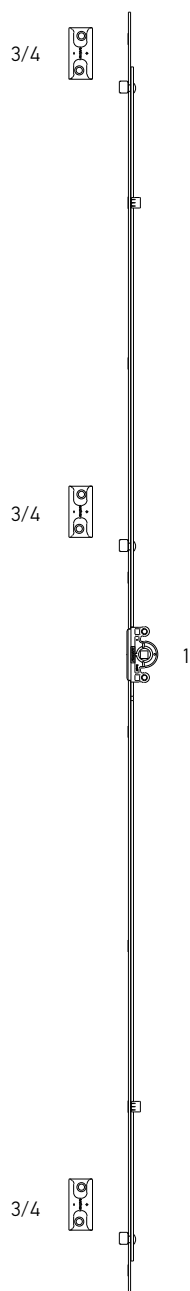
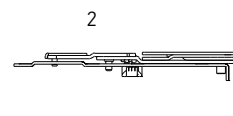
| Nº | Description                                                    | Application range by width | Application range by height | Part No.     |
|----|----------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 0, L=250, 450-550                                | —                          | 450-550                     | K1001-02-N03 |
|    | Gear variable 1, L=450, 551-750                                | —                          | 551-750                     | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                         | —                          | 751-1230                    | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                        | —                          | 950-1430                    | K1001-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML                       | —                          | 1231-1710                   | K1001-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                       | —                          | 1431-1910                   | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                       | —                          | 1911-2390                   | K1001-21-N03 |
| 1a | Gear variable 1, L=450, 551-750, backset 7,5 mm.               | —                          | 551-750                     | K1011-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML, backset 7,5 mm.        | —                          | 751-1230                    | K1011-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML, backset 7,5 mm.       | —                          | 950-1430                    | K1011-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML, backset 7,5 mm.      | —                          | 1231-1710                   | K1011-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML, backset 7,5 mm.      | —                          | 1431-1910                   | K1011-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML, backset 7,5 mm.      | —                          | 1911-2390                   | K1011-21-N03 |
| 2  | Corner transmission 150x150                                    | 480-1280                   | 450-2390                    | K2001-00-N03 |
| 3  | Narrow corner transmission 50x150                              | 380-480                    | 450-2390                    | K2003-00-N03 |
|    |                                                                | 480-680                    | 350-550                     |              |
| 4  | Concealed side hung top hinge for timber profile, 13 mm, left  | —                          | —                           | A5024-13-L03 |
|    | Concealed side hung top hinge for timber profile, 13 mm, right | —                          | —                           | A5024-13-R03 |
| 5  | Middle lock L=400, 1 ML                                        | 600-1000                   | 600-1000                    | K4001-04-N03 |
|    | Middle lock L=650, 1 ML                                        | 850-1250                   | 850-1250                    | K4001-06-N03 |
|    | Middle lock L=720, 1 ML                                        | 920-1320                   | 920-1320                    | K4001-07-N03 |
|    | Middle lock L=820, 2 ML                                        | 1251-1430                  | 1251-1430                   | K4001-08-N03 |
|    | Middle lock L=1130, 2 ML                                       | —                          | 1251-1730                   | K4001-11-N03 |
| 6  | Standard locking plate for timber profile 13 mm, 24/8          | —                          | —                           | A7069-13-N03 |
| 7  | Standard locking plate for timber profile 13 mm, 30/20         | —                          | —                           | A7087-13-N03 |
| 8  | Lifting plate 13 mm, 24/8                                      | —                          | 751-2390                    | A6037-13-N03 |
| 8a | Lifting plate 13 mm, 30/20                                     | —                          | 751-2390                    | A6038-13-N03 |
| 9  | Wrong op. safety device with sash lifter                       | —                          | 751-2390                    | A7001-00-N03 |
| 10 | Concealed bottom hinge for timber profile, 13 mm, left         | —                          | —                           | A5026-13-L03 |
|    | Concealed bottom hinge for timber profile, 13 mm, right        | —                          | —                           | A5026-13-R03 |
| 11 | Concealed bottom sash hinge, 13 mm, left                       | —                          | —                           | A5027-13-L03 |
|    | Concealed bottom sash hinge, 13 mm, right                      | —                          | —                           | A5027-13-R03 |
| 12 | Corner transmissions extension lock L=480 mm                   | —                          | —                           | K4010-00-N03 |
| 13 | Bottom extension for turn sash 90°                             | —                          | —                           | K4007-00-N03 |
| 14 | Top extension for turn sash 180°                               | —                          | —                           | K4011-00-N03 |



## Turn set 13 system

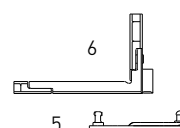
Hardware overviews

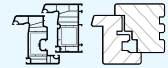
### System K-3. Turn set 13 system



Application range:  
Width: 280 — 700 mm  
Height: 300 — 2400 mm

\* - for sash weight 130 kg use support from page 29

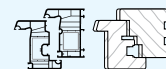




## Turn set 13 system

### Hardware overviews

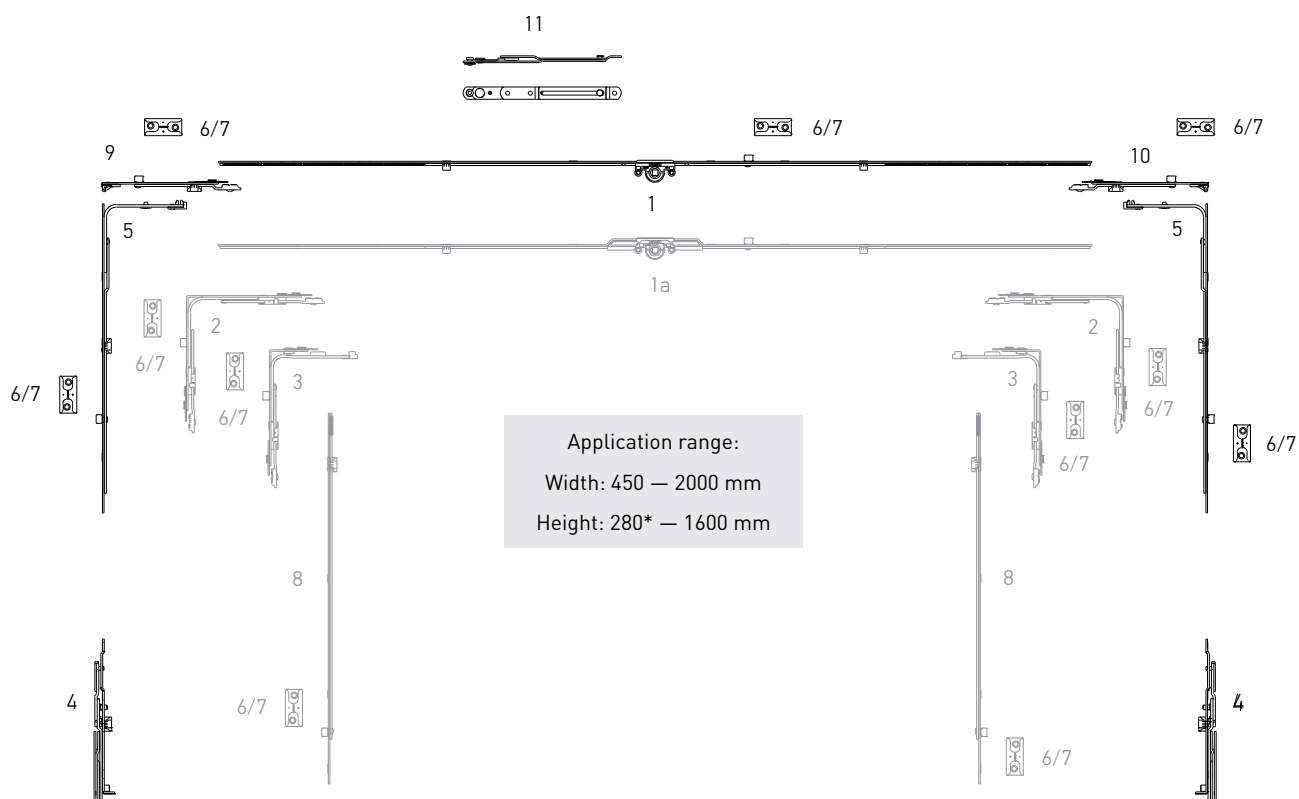
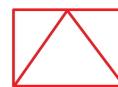
| Nº | Description                                                    | Application range by width | Application range by height | Part No.     |
|----|----------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 1 L=300, 300 - 500, 2ML                          | 380-700                    | 300-500                     | K1003-03-N03 |
|    | Gear variable 2 L=400, 401 - 600, 2ML                          |                            | 401-600                     | K1003-04-N03 |
|    | Gear variable 3 L=600, 601 - 800, 2ML                          |                            | 601-800                     | K1003-06-N03 |
|    | Gear variable 4 L=800, 801 - 1000, 2 ML                        |                            | 801-1000                    | K1003-08-N03 |
|    | Gear variable 5 L=1000, 1001 - 1200, 3 ML                      |                            | 1001-1200                   | K1003-10-N03 |
|    | Gear variable 6 L=1200, 1201 - 1400, 3ML                       |                            | 1201-1400                   | K1003-12-N03 |
|    | Gear variable 7 L=1400, 1401 - 1600, 3ML                       |                            | 1401-1600                   | K1003-14-N03 |
|    | Gear variable 8 L=1600, 1601 - 1800, 4ML                       |                            | 1601-1800                   | K1003-16-N03 |
|    | Gear variable 9 L=1800, 1801 - 2000, 4ML                       |                            | 1801-2000                   | K1003-18-N03 |
|    | Gear variable 10 L=2000, 2001 - 2200, 4ML                      |                            | 2001-2200                   | K1003-20-N03 |
|    | Gear variable 11 L=2200, 2201 - 2400, 4ML                      |                            | 2201-2400                   | K1003-22-N03 |
| 2  | Concealed side hung top hinge for timber profile, 13 mm, left  | –                          | –                           | A5024-13-L03 |
|    | Concealed side hung top hinge for timber profile, 13 mm, right | –                          | –                           | A5024-13-R03 |
| 3  | Standard locking plate for timber profile 13 mm, 24/8          | –                          | –                           | A7069-13-N03 |
| 4  | Standard locking plate for timber profile 13 mm, 30/20         | –                          | –                           | A7087-13-N03 |
| 5  | Concealed bottom hinge for timber profile, 13 mm, left         | –                          | –                           | A5026-13-L03 |
|    | Concealed bottom hinge for timber profile, 13 mm, right        | –                          | –                           | A5026-13-R03 |
| 6  | Concealed bottom sash hinge, 13 mm, left                       | –                          | –                           | A5027-13-L03 |
|    | Concealed bottom sash hinge, 13 mm, right                      | –                          | –                           | A5027-13-R03 |



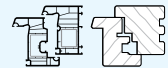
## Tilt set 13 system

### Hardware overviews

#### System K-3. Advanced tilt set 13 system



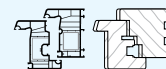
\* – without middle lock extension



## Tilt set 13 system

### Hardware overviews

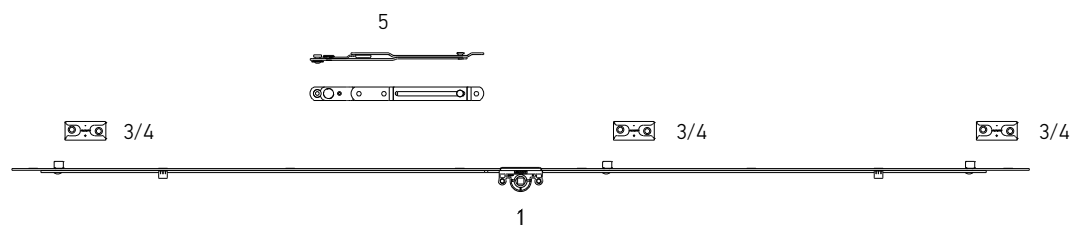
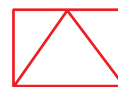
| Nº | Description                                                    | Application range by width | Application range by height | Part No.     |
|----|----------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 0, L=250, 450-550                                | —                          | 450-550                     | K1001-02-N03 |
|    | Gear variable 1, L=450, 551-750                                | —                          | 551-750                     | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                         | —                          | 751-1230                    | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                        | —                          | 950-1430                    | K1001-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML                       | —                          | 1231-1710                   | K1001-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                       | —                          | 1431-1910                   | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                       | —                          | 1911-2390                   | K1001-21-N03 |
| 1a | Gear variable 1, L=450, 551-750, backset 7,5 mm.               | —                          | 551-750                     | K1011-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML, backset 7,5 mm.        | —                          | 751-1230                    | K1011-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML, backset 7,5 mm.       | —                          | 950-1430                    | K1011-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML, backset 7,5 mm.      | —                          | 1231-1710                   | K1011-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML, backset 7,5 mm.      | —                          | 1431-1910                   | K1011-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML, backset 7,5 mm.      | —                          | 1911-2390                   | K1011-21-N03 |
| 2  | Corner transmission 150x150                                    | 480-1280                   | 450-2390                    | K2001-00-N03 |
| 3  | Narrow corner transmission 50x150                              | 380-480                    | 450-2390                    | K2003-00-N03 |
|    |                                                                | 480-680                    | 350-550                     |              |
| 4  | Concealed side hung top hinge for timber profile, 13 mm, left  | —                          | —                           | A5024-13-L03 |
|    | Concealed side hung top hinge for timber profile, 13 mm, right | —                          | —                           | A5024-13-R03 |
| 5  | Middle lock L=400, 1 ML                                        | 600-1000                   | 600-1000                    | K4001-04-N03 |
|    | Middle lock L=650, 1 ML                                        | 850-1250                   | 850-1250                    | K4001-06-N03 |
|    | Middle lock L=720, 1 ML                                        | 920-1320                   | 920-1320                    | K4001-07-N03 |
|    | Middle lock L=820, 2 ML                                        | 1251-1430                  | 1251-1430                   | K4001-08-N03 |
|    | Middle lock L=1130, 2 ML                                       | —                          | 1251-1730                   | K4001-11-N03 |
| 6  | Standard locking plate for timber profile 13 mm, 24/8          | —                          | —                           | A7069-13-N03 |
| 7  | Standard locking plate for timber profile 13 mm, 30/20         | —                          | —                           | A7087-13-N03 |
| 8  | Corner transmissions extension lock L=480 mm                   | —                          | —                           | K4010-00-N03 |
| 9  | Bottom extension for turn sash 90°                             | —                          | —                           | K4007-00-N03 |
| 10 | Top extension for turn sash 180°                               | —                          | —                           | K4011-00-N03 |
| 11 | Tilt stay arm (fixing on gear)                                 | —                          | —                           | A7017-00-N03 |



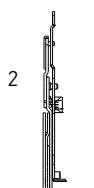
## Tilt set 13 system

Hardware overviews

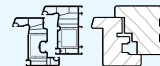
### System K-3. Tilt set 13 system



Application range:  
Width: 300 — 2000 mm  
Height: 280 — 700 mm



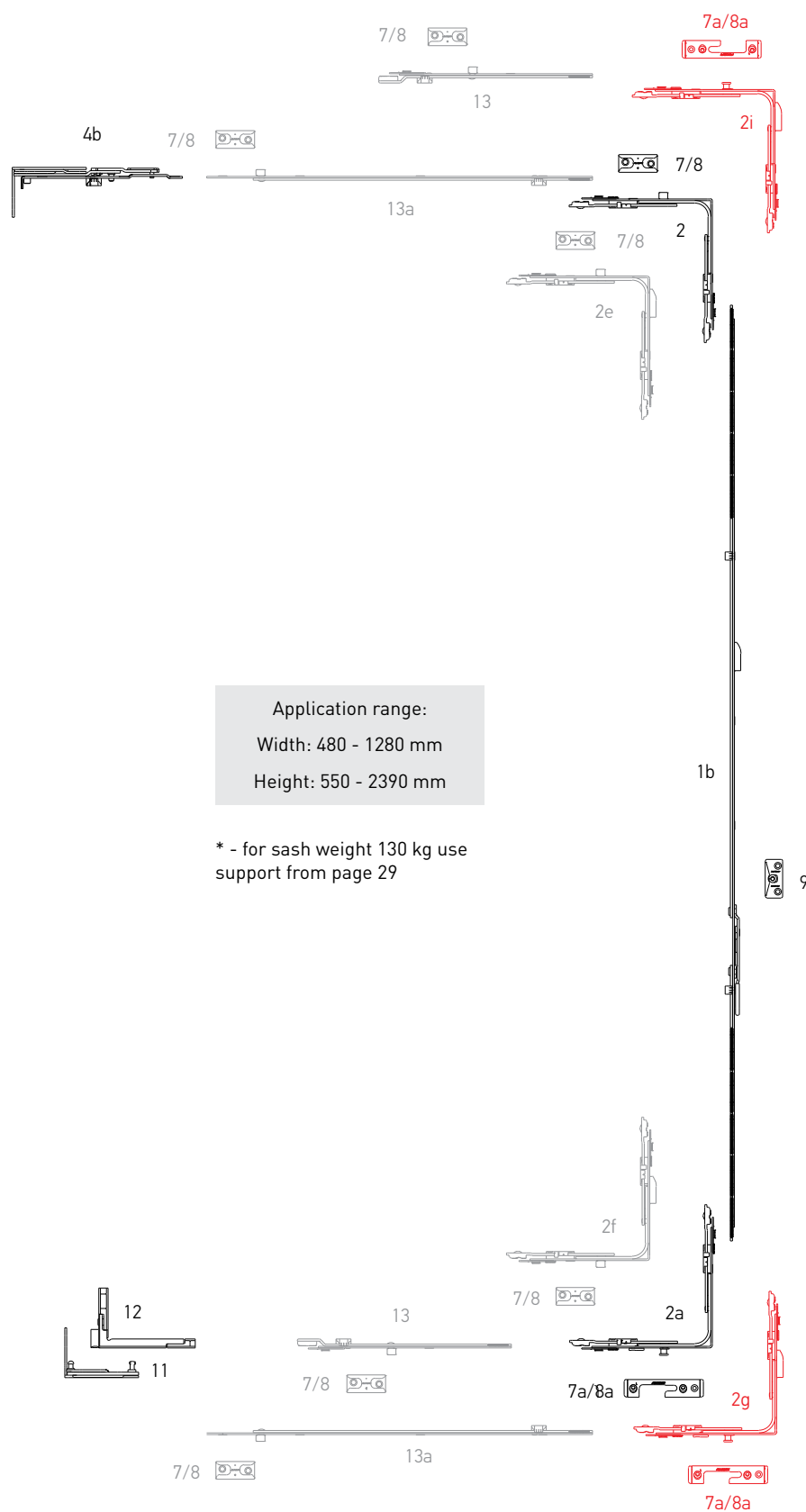
| Nº | Description                                                    | Application range by width | Application range by height | Part No.     |
|----|----------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 1 L=300, 300 - 500, 2ML                          | 380-700                    | 300-500                     | K1003-03-N03 |
|    | Gear variable 2 L=400, 401 - 600, 2ML                          |                            | 401-600                     | K1003-04-N03 |
|    | Gear variable 3 L=600, 601 - 800, 2ML                          |                            | 601-800                     | K1003-06-N03 |
|    | Gear variable 4 L=800, 801 - 1000, 2 ML                        |                            | 801-1000                    | K1003-08-N03 |
|    | Gear variable 5 L=1000, 1001 - 1200, 3 ML                      |                            | 1001-1200                   | K1003-10-N03 |
|    | Gear variable 6 L=1200, 1201 - 1400, 3ML                       |                            | 1201-1400                   | K1003-12-N03 |
|    | Gear variable 7 L=1400, 1401 - 1600, 3ML                       |                            | 1401-1600                   | K1003-14-N03 |
|    | Gear variable 8 L=1600, 1601 - 1800, 4ML                       |                            | 1601-1800                   | K1003-16-N03 |
|    | Gear variable 9 L=1800, 1801 - 2000, 4ML                       |                            | 1801-2000                   | K1003-18-N03 |
|    | Gear variable 10 L=2000, 2001 - 2200, 4ML                      |                            | 2001-2200                   | K1003-20-N03 |
|    | Gear variable 11 L=2200, 2201 - 2400, 4ML                      |                            | 2201-2400                   | K1003-22-N03 |
| 2  | Concealed side hung top hinge for timber profile, 13 mm, left  | —                          | —                           | A5024-13-L03 |
|    | Concealed side hung top hinge for timber profile, 13 mm, right | —                          | —                           | A5024-13-R03 |
| 3  | Standard locking plate for timber profile 13 mm, 24/8          | —                          | —                           | A7069-13-N03 |
| 4  | Standard locking plate for timber profile 13 mm, 30/20         | —                          | —                           | A7087-13-N03 |
| 5  | Tilt stay arm (fixing on gear)                                 | —                          | —                           | A7017-00-N03 |

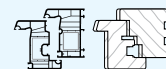


## Double sash set 13 system

### Hardware overviews

#### System K-3. Double sash set 13 system

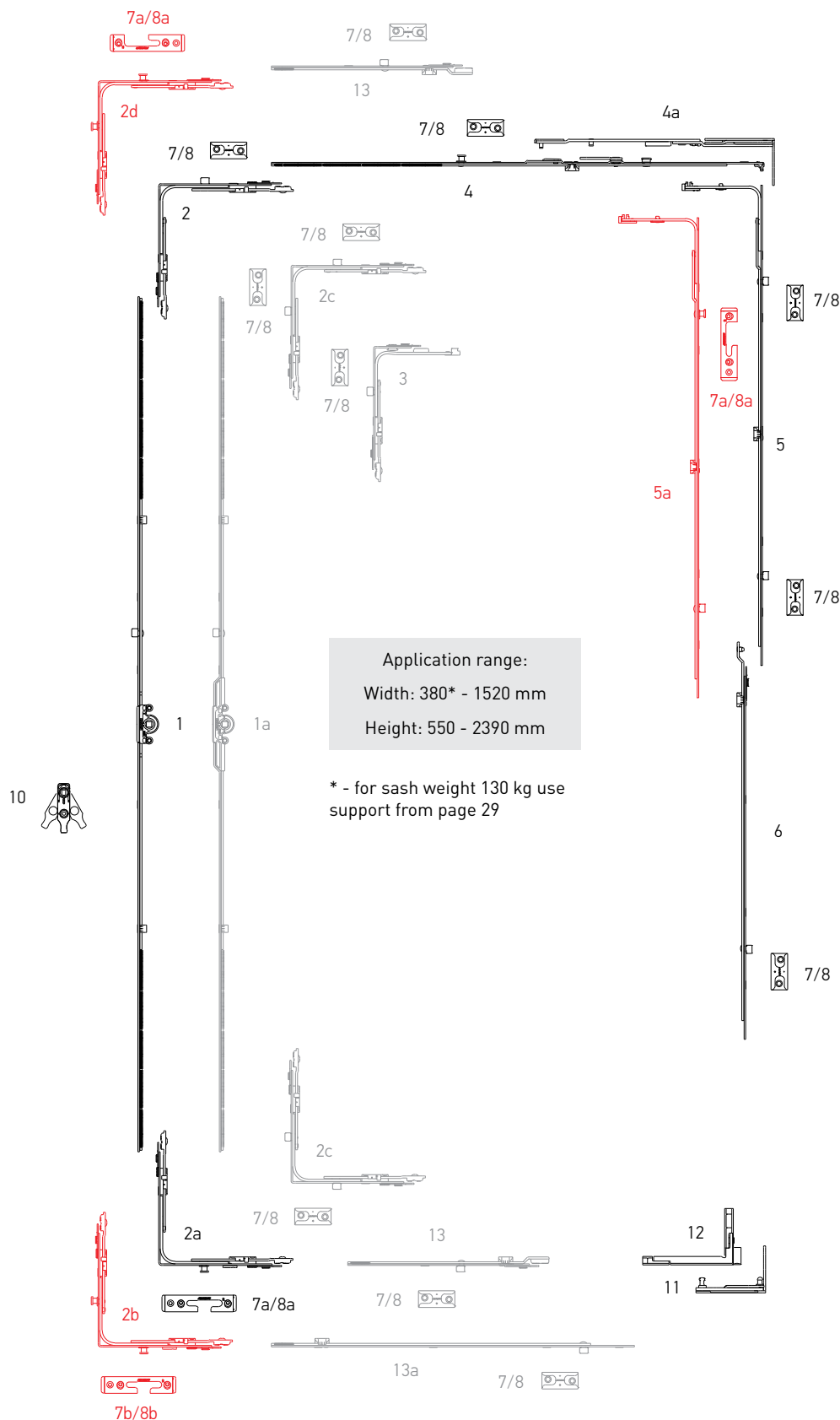
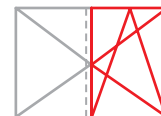




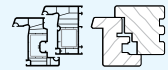
# Double sash set 13 system

Hardware overviews

## System K-3. Main sash 13 system



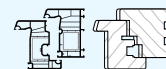
\* -with narrow corner transmission



## Double sash set 13 system

### Hardware overviews

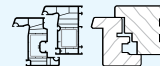
| Nº | Description                                                    | Application range by width | Application range by height | Part No.     |
|----|----------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 0, L=250, 450-550                                | –                          | 450-550                     | K1001-02-N03 |
|    | Gear variable 1, L=450, 551-750                                | –                          | 551-750                     | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                         | –                          | 751-1230                    | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                        | –                          | 950-1430                    | K1001-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML                       | –                          | 1231-1710                   | K1001-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                       | –                          | 1431-1910                   | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                       | –                          | 1911-2390                   | K1001-21-N03 |
| 1a | Gear variable 1, L=450, 551-750, backset 7,5 mm.               | —                          | 551-750                     | K1011-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML, backset 7,5 mm.        | —                          | 751-1230                    | K1011-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML, backset 7,5 mm.       | —                          | 950-1430                    | K1011-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML, backset 7,5 mm.      | —                          | 1231-1710                   | K1011-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML, backset 7,5 mm.      | —                          | 1431-1910                   | K1011-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML, backset 7,5 mm.      | —                          | 1911-2390                   | K1011-21-N03 |
| 1b | Double sash lever espagnolette variable 1 L=450, 551-750       | –                          | 551-750                     | K1002-04-N03 |
|    | Double sash lever espagnolette variable 2 L=650, 751-950       | –                          | 751-950                     | K1002-06-N03 |
|    | Double sash lever espagnolette variable 3 L=1130, 951-1430     | –                          | 951-1430                    | K1002-11-N03 |
|    | Double sash lever espagnolette variable 4 L=1610, 1431-1910    | –                          | 1431-1910                   | K1002-16-N03 |
|    | Double sash lever espagnolette variable 5 L=2090, 1911-2390    | –                          | 1911-2390                   | K1002-21-N03 |
| 2  | Corner transmission 150x150                                    | 480-1280                   | 450-2390                    | K2001-00-N03 |
| 2a | Bottom corner transmission with lifter                         | 480-1280                   | 450-2390                    | K2008-00-N03 |
| 2b | Bottom corner transmission with lifter, 2ML, 150x150           | 480-1280                   | 450-2390                    | K2009-00-N03 |
| 2c | Corner transmission 2 ML, 150x150                              | 480-1280                   | 450-2390                    | K2002-00-N03 |
| 2d | Corner transmission 2 ML, 150x150, Se                          | 480-1280                   | 450-2390                    | K2012-00-N03 |
| 2e | Corner transmission for double sash, top                       | 480-1280                   | 450-2390                    | K2007-01-N03 |
| 2f | Corner transmission for double sash, bottom                    | 480-1280                   | 450-2390                    | K2007-02-N03 |
| 2g | Corner transmission for double sash for timber profile, bottom | 480-1280                   | 450-2390                    | K2010-00-N03 |
| 2i | Corner transmission for double sash, Se, top                   | 480-1280                   | 450-2390                    | K2011-00-N03 |
| 3  | Narrow corner transmission 50x150                              | 380-480                    | 450-2390                    | K2003-00-N03 |
|    |                                                                | 480-680                    | 350-550                     |              |
| 4  | Concealed stay arm connecting plate 1 L=530, 480-680, left     | 480-680                    | –                           | K3030-06-L03 |
|    | Concealed stay arm connecting plate 1 L=530, 480-680, right    | 480-680                    | –                           | K3030-06-R03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, left     | 600-800                    | –                           | K3030-07-L03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, right    | 600-800                    | –                           | K3030-07-R03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, left    | 801-1040                   | –                           | K3030-09-L03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, right   | 801-1040                   | –                           | K3030-09-R03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, left  | 1041-1280                  | –                           | K3030-12-L03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, right | 1041-1280                  | –                           | K3030-12-R03 |
| 4a | Concealed stay arm for timber profile, 13 mm, 480-800, left    | 480-800                    | –                           | A3003-02-L03 |
|    | Concealed stay arm for timber profile, 13 mm, 480-800, right   | 480-800                    | –                           | A3003-02-R03 |
|    | Concealed stay arm for timber profile, 13 mm, 801-1040, left   | 801-1040                   | –                           | A3003-03-L03 |
|    | Concealed stay arm for timber profile, 13 mm, 801-1040, right  | 801-1040                   | –                           | A3003-03-R03 |
|    | Concealed stay arm for timber profile, 13 mm, 1041-1280, left  | 1041-1280                  | –                           | A3003-04-R03 |
|    | Concealed stay arm for timber profile, 13 mm, 1041-1280, right | 1041-1280                  | –                           | A3003-04-R03 |
| 4b | Concealed side hung top hinge for timber profile, 13 mm, left  | –                          | –                           | A5024-13-L03 |
|    | Concealed side hung top hinge for timber profile, 13 mm, right | –                          | –                           | A5024-13-R03 |



## Double sash set 13 system

### Hardware overviews

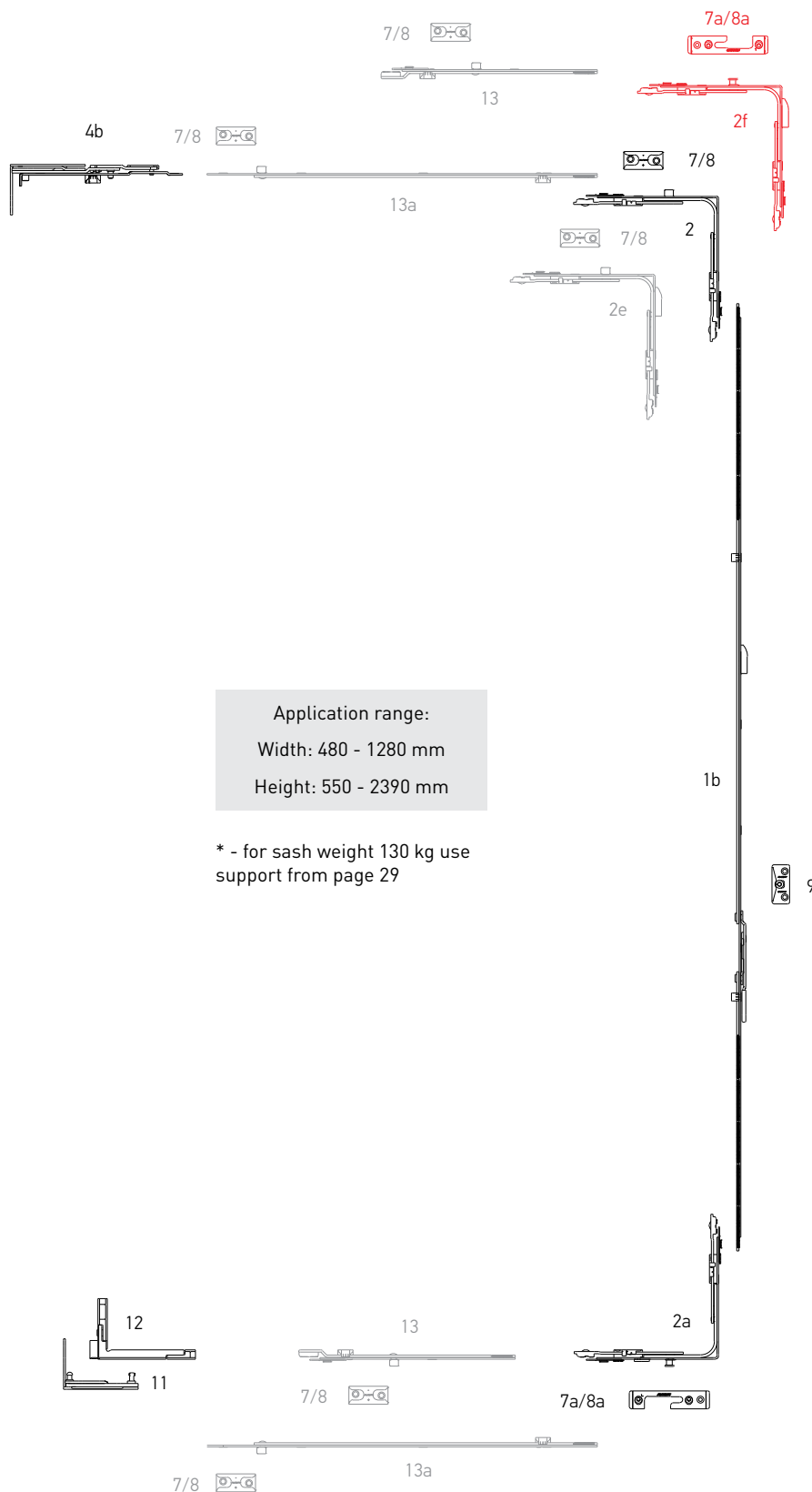
| Nº  | Description                                             | Application range by width | Application range by height | Part No.       |
|-----|---------------------------------------------------------|----------------------------|-----------------------------|----------------|
| 5   | Middle lock L=400, 2 ML                                 | 600-1000                   | 600-1000                    | K4004-04-N03   |
|     | Middle lock L=650, 2 ML                                 | 850-1250                   | 850-1250                    | K4004-06-N03   |
|     | Middle lock L=720, 2 ML                                 | 920-1320                   | 920-1320                    | K4004-07-N03   |
|     | Middle lock L=820, 2 ML                                 | 1251-1430                  | 1251-1430                   | K4004-08-N03   |
|     | Middle lock L=1130, 3 ML                                | —                          | 1251-1730                   | K4004-11-N03   |
| 5a  | Middle lock L=400, 1MR + 1 ML                           | 600-1000                   | 600-1000                    | K4008-04-N03   |
|     | Middle lock L=650, 1MR + 1 ML                           | 850-1250                   | 850-1250                    | K4008-06-N03   |
|     | Middle lock L=820, 1MR + 1 ML                           | 1251-1430                  | 1251-1430                   | K4008-08-N03   |
|     | Middle lock L=1130, 1MR + 2 ML                          | —                          | 1251-1730                   | K4008-11-N03   |
| 6   | Middle lock extension 480 mm                            | —                          | 1710-2210                   | K4005-05-N03   |
|     | Middle lock extension 680 mm                            | —                          | 2231-2390                   | K4005-07-N03   |
| 7   | Standard locking plate for timber profile 13 mm, 24/8   | —                          | —                           | A7069-13-N03   |
| 7a  | Locking plate SE for timber profile 13 mm, 24/8         | —                          | —                           | S6031-13-L/R03 |
| 7b  | Tilt locking plate Se for timber profile 13 mm, 24/8    | —                          | —                           | S6033-13-L/R03 |
| 8   | Standard locking plate for timber profile 13 mm, 30/20  | —                          | —                           | A7087-13-N03   |
| 8a  | Locking plate SE for timber profile 13 mm, 30/20        | —                          | —                           | S6049-13-L/R03 |
| 8b  | Tilt locking plate Se for timber profile 13 mm, 30/20   | —                          | —                           | S6050-13-L/R03 |
| 9   | Lifting plate for double sash                           | —                          | 751-2390                    | A6001-00-N03   |
| 10  | Wrong op. safety device with sash lifter                | —                          | 751-2390                    | A7001-00-N03   |
| 11  | Concealed bottom hinge for timber profile, 13 mm, left  | —                          | —                           | A5026-13-L03   |
|     | Concealed bottom hinge for timber profile, 13 mm, right | —                          | —                           | A5026-13-R03   |
| 12  | Concealed bottom sash hinge, 13 mm, left                | —                          | —                           | A5027-13-L03   |
|     | Concealed bottom sash hinge, 13 mm, right               | —                          | —                           | A5027-13-R03   |
| 13  | Extension lock 240 mm                                   | —                          | —                           | K4003-02-N03   |
| 13a | Corner transmissions extension lock L=480 mm            | —                          | —                           | K4010-00-N03   |



## Double sash set "First Tilt" 13 system

Hardware overviews

System K-3. Double sash set "First Tilt" 13 system

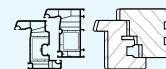


Application range:

Width: 480 - 1280 mm

Height: 550 - 2390 mm

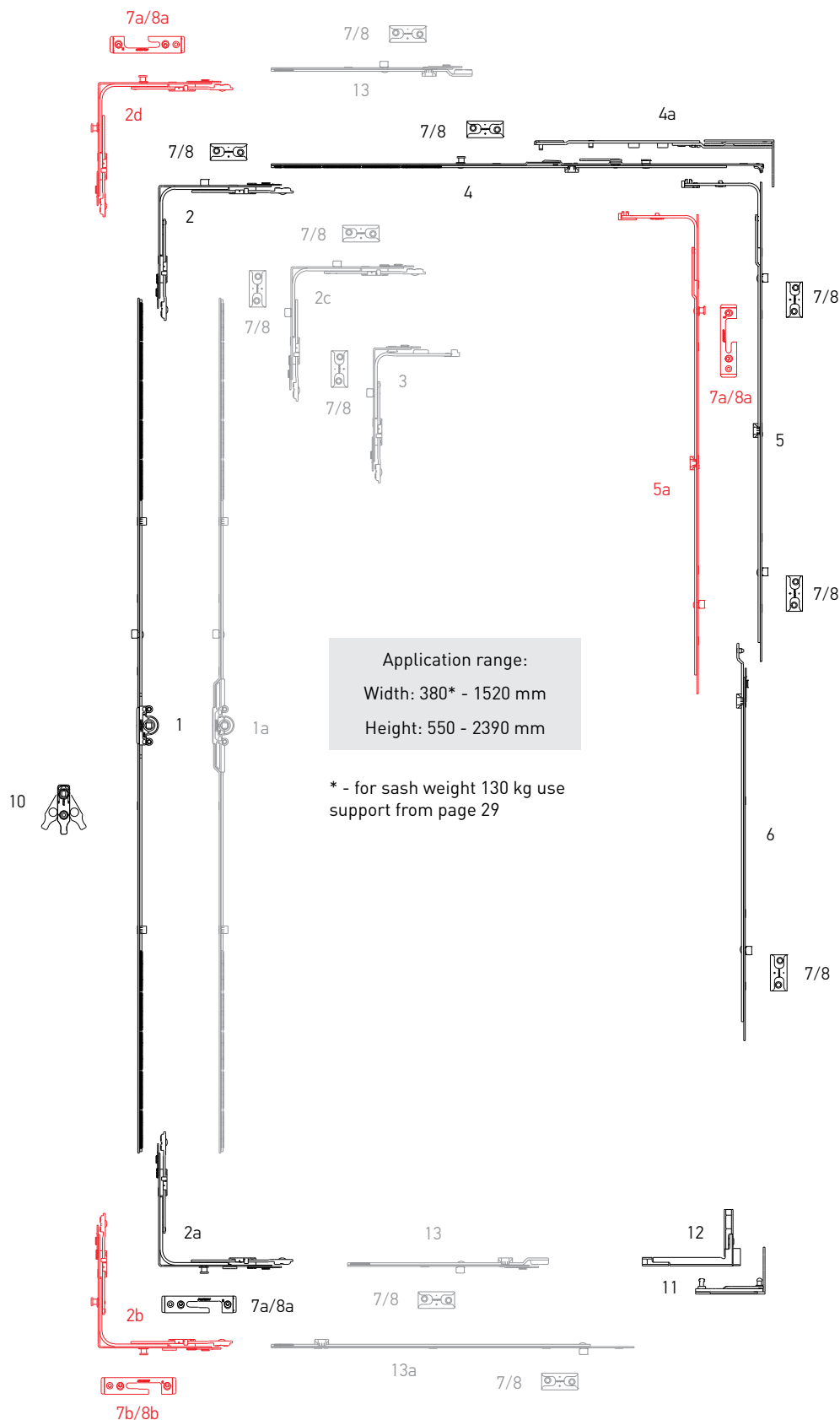
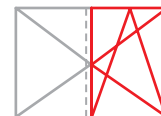
\* - for sash weight 130 kg use support from page 29



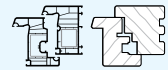
## Double sash set "First Tilt" 13 system

Hardware overviews

### System K-3. Main sash "First Tilt" 13 system



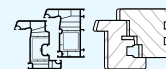
\* -with narrow corner transmission



## Double sash set “First Tilt” 13 system

### Hardware overviews

| Nº | Description                                                                 | Application range by width | Application range by height | Part No.     |
|----|-----------------------------------------------------------------------------|----------------------------|-----------------------------|--------------|
| 1  | Gear variable 0, L=250, 450-550                                             | –                          | 450-550                     | K1001-02-N03 |
|    | Gear variable 1, L=450, 551-750                                             | –                          | 551-750                     | K1001-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML                                      | –                          | 751-1230                    | K1001-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML                                     | –                          | 950-1430                    | K1001-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML                                    | –                          | 1231-1710                   | K1001-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML                                    | –                          | 1431-1910                   | K1001-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML                                    | –                          | 1911-2390                   | K1001-21-N03 |
| 1a | Gear variable 1, L=450, 551-750, backset 7,5 mm.                            | —                          | 551-750                     | K1011-04-N03 |
|    | Gear variable 2, L=930, 751-1230, 1 ML, backset 7,5 mm.                     | —                          | 751-1230                    | K1011-09-N03 |
|    | Gear variable 3, L=1130, 950-1430, 1 ML, backset 7,5 mm.                    | —                          | 950-1430                    | K1011-11-N03 |
|    | Gear variable 4, L=1410, 1231-1710, 2 ML, backset 7,5 mm.                   | —                          | 1231-1710                   | K1011-14-N03 |
|    | Gear variable 5, L=1610, 1431-1910, 2 ML, backset 7,5 mm.                   | —                          | 1431-1910                   | K1011-16-N03 |
|    | Gear variable 6, L=2090, 1911-2390, 3 ML, backset 7,5 mm.                   | —                          | 1911-2390                   | K1011-21-N03 |
| 1b | Double sash lever espagnolette variable 1 L=450, 551-750                    | –                          | 551-750                     | K1002-04-N03 |
|    | Double sash lever espagnolette variable 2 L=650, 751-950                    | –                          | 751-950                     | K1002-06-N03 |
|    | Double sash lever espagnolette variable 3 L=1130, 951-1430                  | –                          | 951-1430                    | K1002-11-N03 |
|    | Double sash lever espagnolette variable 4 L=1610, 1431-1910                 | –                          | 1431-1910                   | K1002-16-N03 |
|    | Double sash lever espagnolette variable 5 L=2090, 1911-2390                 | –                          | 1911-2390                   | K1002-21-N03 |
| 2  | Corner transmission 150x150                                                 | 480-1280                   | 450-2390                    | K2001-00-N03 |
| 2a | Bottom corner transmission with lifter                                      | 480-1280                   | 450-2390                    | K2008-00-N03 |
| 2b | Bottom corner transmission with lifter, 2ML, 150x150                        | 480-1280                   | 450-2390                    | K2009-00-N03 |
| 2c | Corner transmission 2 ML, 150x150                                           | 480-1280                   | 450-2390                    | K2002-00-N03 |
| 2d | Corner transmission 2 ML, 150x150, Se                                       | 480-1280                   | 450-2390                    | K2012-00-N03 |
| 2e | Corner transmission for double sash, top                                    | 480-1280                   | 450-2390                    | K2007-01-N03 |
| 2f | Corner transmission for double sash, bottom                                 | 480-1280                   | 450-2390                    | K2007-02-N03 |
| 3  | Narrow corner transmission 50x150                                           | 380-480                    | 450-2390                    | K2003-00-N03 |
|    |                                                                             | 480-680                    | 350-550                     |              |
| 4  | Concealed stay arm connecting plate 1 L=530, 480-680, left                  | 480-680                    | –                           | K3030-06-L03 |
|    | Concealed stay arm connecting plate 1 L=530, 480-680, right                 | 480-680                    | –                           | K3030-06-R03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, left                  | 600-800                    | –                           | K3030-07-L03 |
|    | Concealed stay arm connecting plate 2 L=650, 600-800, right                 | 600-800                    | –                           | K3030-07-R03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, left                 | 801-1040                   | –                           | K3030-09-L03 |
|    | Concealed stay arm connecting plate 3 L=890, 801-1040, right                | 801-1040                   | –                           | K3030-09-R03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, left               | 1041-1280                  | –                           | K3030-12-L03 |
|    | Concealed stay arm connecting plate 4 L=1130, 1041-1280, right              | 1041-1280                  | –                           | K3030-12-R03 |
| 4a | Concealed stay arm “First Tilt” for timber profile, 13 mm, 480-800, left    | 480-800                    | –                           | A3007-02-L03 |
|    | Concealed stay arm “First Tilt” for timber profile, 13 mm, 480-800, right   | 480-800                    | –                           | A3007-02-R03 |
|    | Concealed stay arm “First Tilt” for timber profile, 13 mm, 801-1040, left   | 801-1040                   | –                           | A3007-03-L03 |
|    | Concealed stay arm “First Tilt” for timber profile, 13 mm, 801-1040, right  | 801-1040                   | –                           | A3007-03-R03 |
|    | Concealed stay arm “First Tilt” for timber profile, 13 mm, 1041-1280, left  | 1041-1280                  | –                           | A3007-04-L03 |
|    | Concealed stay arm “First Tilt” for timber profile, 13 mm, 1041-1280, right | 1041-1280                  | –                           | A3007-04-R03 |
| 4b | Concealed side hung top hinge for timber profile, 13 mm, left               | –                          | –                           | A5024-13-L03 |
|    | Concealed side hung top hinge for timber profile, 13 mm, right              | –                          | –                           | A5024-13-R03 |



## Double sash set “First Tilt” 13 system

### Hardware overviews

| Nº  | Description                                                             | Application range by width | Application range by height | Part No.       |
|-----|-------------------------------------------------------------------------|----------------------------|-----------------------------|----------------|
| 5   | Middle lock L=400, 2 ML                                                 | 600-1000                   | 600-1000                    | K4004-04-N03   |
|     | Middle lock L=650, 2 ML                                                 | 850-1250                   | 850-1250                    | K4004-06-N03   |
|     | Middle lock L=720, 2 ML                                                 | 920-1320                   | 920-1320                    | K4004-07-N03   |
|     | Middle lock L=820, 2 ML                                                 | 1251-1430                  | 1251-1430                   | K4004-08-N03   |
|     | Middle lock L=1130, 3 ML                                                | —                          | 1251-1730                   | K4004-11-N03   |
| 5a  | Middle lock L=400, 1MR + 1 ML                                           | 600-1000                   | 600-1000                    | K4008-04-N03   |
|     | Middle lock L=650, 1MR + 1 ML                                           | 850-1250                   | 850-1250                    | K4008-06-N03   |
|     | Middle lock L=820, 1MR + 1 ML                                           | 1251-1430                  | 1251-1430                   | K4008-08-N03   |
|     | Middle lock L=1130, 1MR + 2 ML                                          | —                          | 1251-1730                   | K4008-11-N03   |
| 6   | Middle lock extension 480 mm                                            | —                          | 1710-2210                   | K4005-05-N03   |
|     | Middle lock extension 680 mm                                            | —                          | 2231-2390                   | K4005-07-N03   |
| 7   | Standard locking plate for timber profile 13 mm, 24/8                   | —                          | —                           | A7069-13-N03   |
| 7a  | Locking plate SE for timber profile 13 mm, 24/8                         | —                          | —                           | S6031-13-L/R03 |
| 7b  | First Tilt locking plate Se for timber profile 13 mm, 24/8, left/right  | —                          | —                           | S6053-13-L/R03 |
| 8   | Standard locking plate for timber profile 13 mm, 30/20                  | —                          | —                           | A7087-13-N03   |
| 8a  | Locking plate SE for timber profile 13 mm, 30/20                        | —                          | —                           | S6049-13-L/R03 |
| 8b  | First Tilt locking plate Se for timber profile 13 mm, 30/20, left/right | —                          | —                           | S6051-13-L/R03 |
| 9   | Lifting plate for double sash                                           | —                          | 751-2390                    | A6001-00-N03   |
| 10  | Wrong op. safety device with sash lifter                                | —                          | 751-2390                    | A7001-00-N03   |
| 11  | Concealed bottom hinge for timber profile, 13 mm, left                  | —                          | —                           | A5026-13-L03   |
|     | Concealed bottom hinge for timber profile, 13 mm, right                 | —                          | —                           | A5026-13-R03   |
| 12  | Concealed bottom sash hinge, 13 mm, left                                | —                          | —                           | A5027-13-L03   |
|     | Concealed bottom sash hinge, 13 mm, right                               | —                          | —                           | A5027-13-R03   |
| 13  | Extension lock 240 mm                                                   | —                          | —                           | K4003-02-N03   |
| 13a | Corner transmissions extension lock L=480 mm                            | —                          | —                           | K4010-00-N03   |

**AXOR®**

**ELITE +**

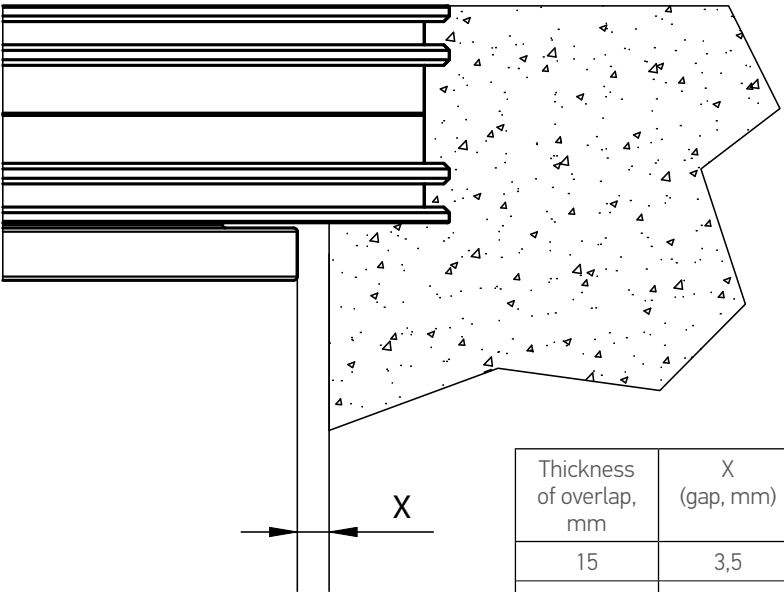
Tools  
Installation  
Adjustments

AXOR



**Minimum hinges' clearance**

Tools / Installation /  
Adjustments



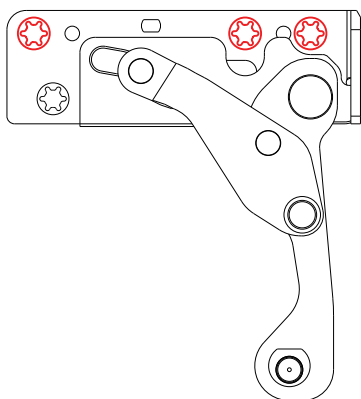
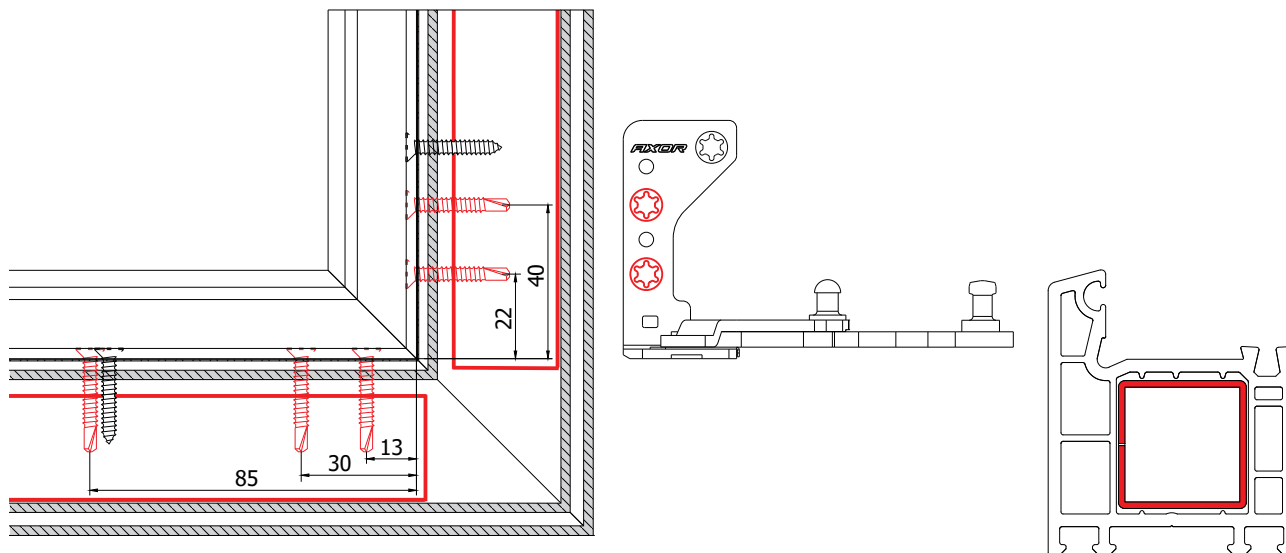
| Thickness<br>of overlap,<br>mm | X<br>(gap, mm) |
|--------------------------------|----------------|
| 15                             | 3,5            |
| 18                             | 5,5            |
| 22                             | 8,5            |



## Recommendations

Tools / Installation /  
Adjustments

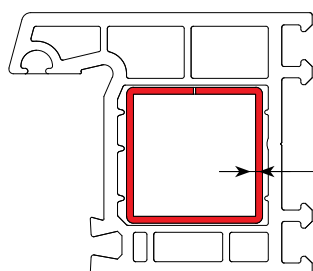
### Recommendations for usage of reinforcing profile in a frame



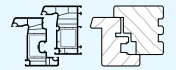
**All screws must be installed into the reinforcing profile**

**Minimum sizes of clearance between a frame and a sash:**

|                     |                     |
|---------------------|---------------------|
| <b>Bottom</b>       | <b>min. 12,5 mm</b> |
| <b>Top</b>          | <b>min. 12 mm</b>   |
| <b>Left / right</b> | <b>min. 12 mm</b>   |



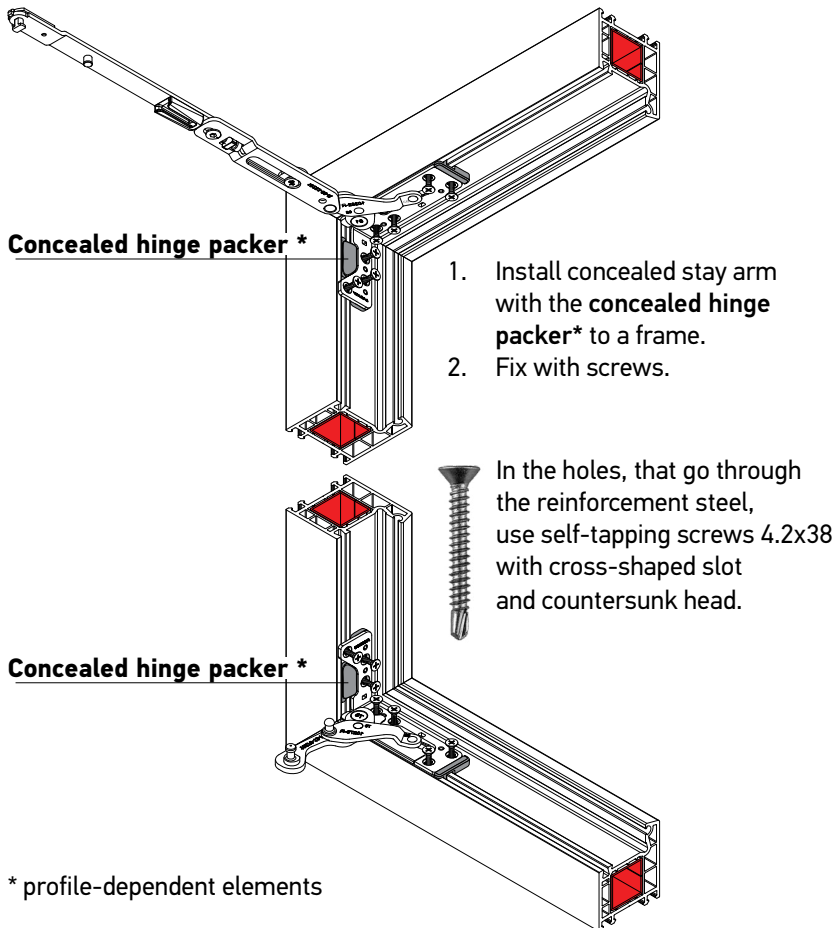
Reinforcing profile - square,  
thickness min. 2 mm



## Hinges' installation

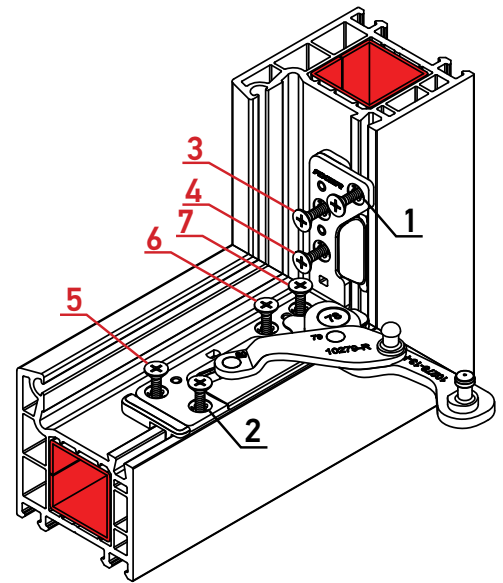
Tools / Installation /  
Adjustments

### Hinges' installation on a frame



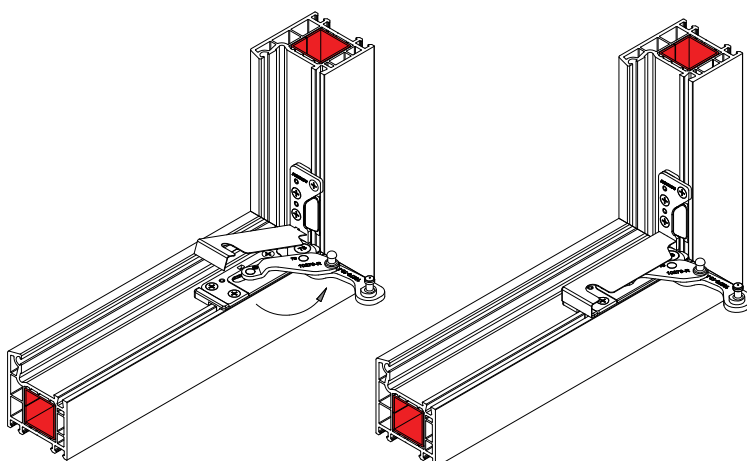
Screwing procedure:

- Screws **1** and **2** for PVC in the groove for glassing bead
- Self-tapping screws **3-7** into reinforcement steel
- Screw the screw **7** with an extended screwdriver bit or a manual screw driver.
- Strictly observe the perpendicular axis when tightening the screws.



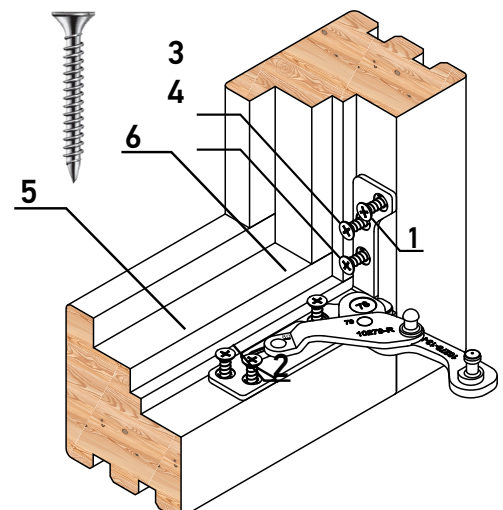
### Installation of a decorative cover

1. Open the hinge.
2. Install the cover in a hole on vertical part of the hinge.
3. Fasten the cover on horizontal part of the hinge.



TIMBER

Installation is carried out without the concealed hinge packers, hinges are installed in the point blank of frame rebate

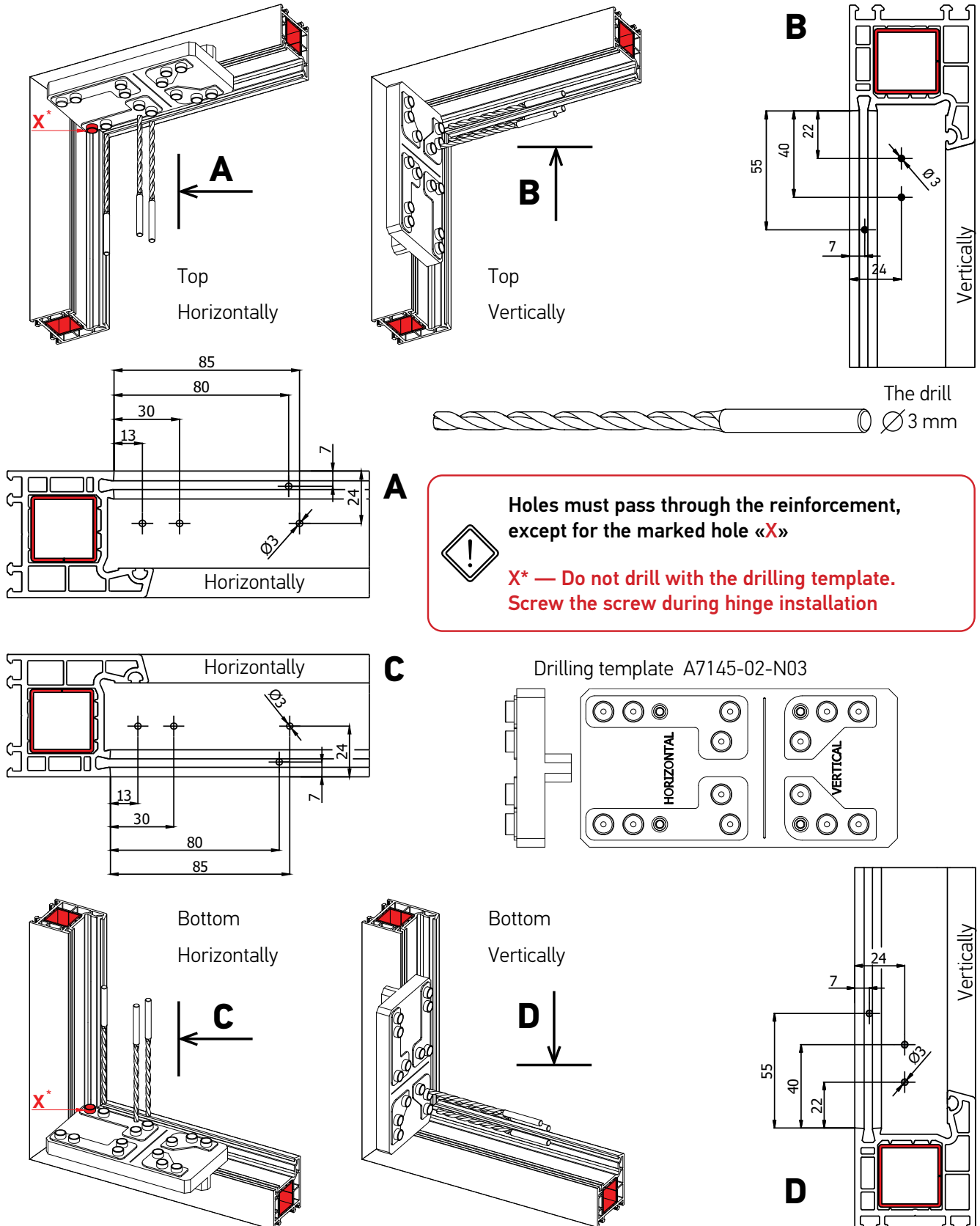




## Drilling guidance

Tools / Installation /  
Adjustments

Drilling guidance for top and bottom hinges on a frame, on the left

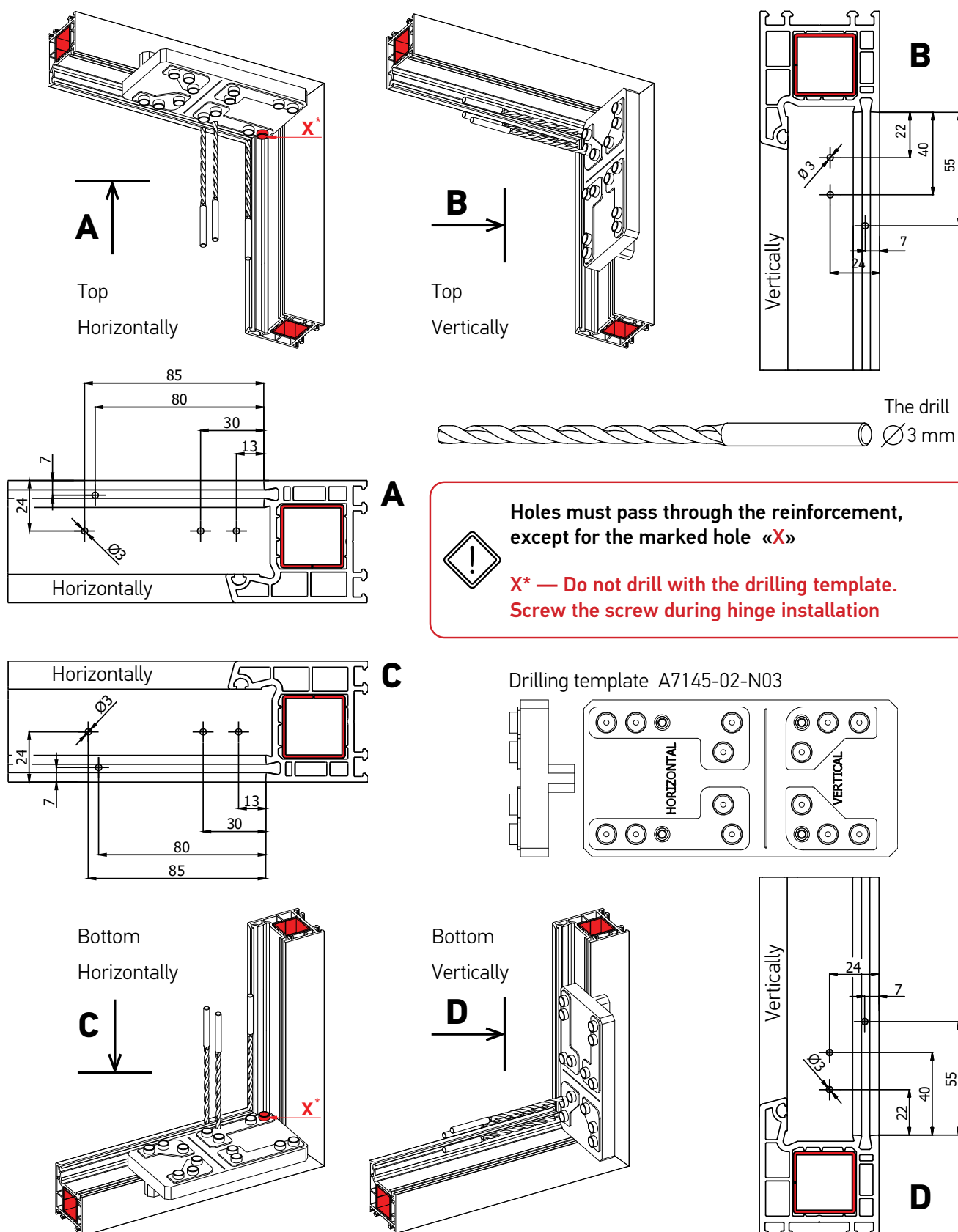




## Drilling guidance

Tools / Installation /  
Adjustments

Drilling guidance for top and bottom hinges on a frame, on the right

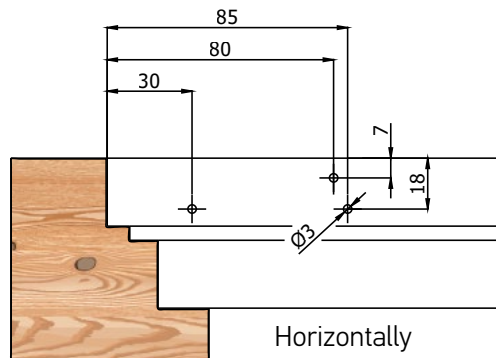
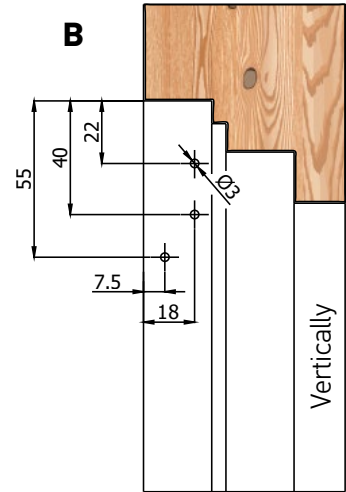
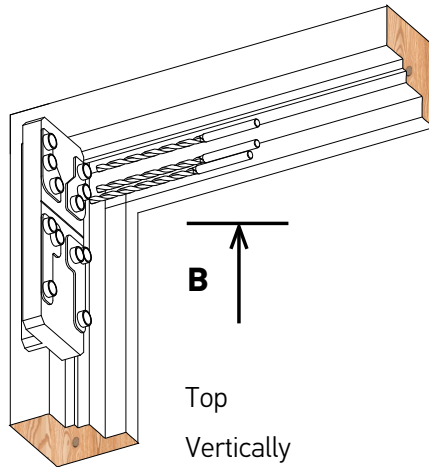
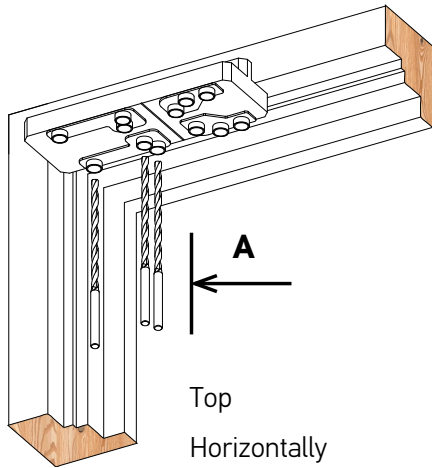




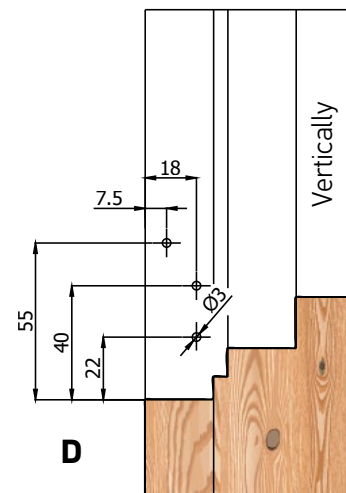
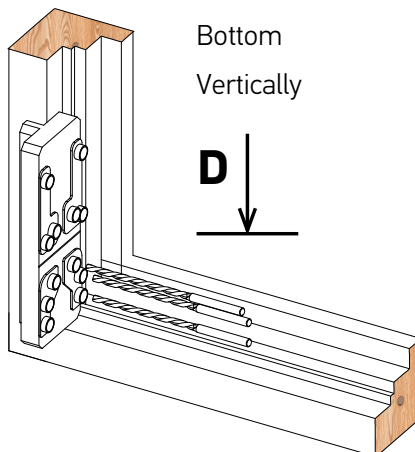
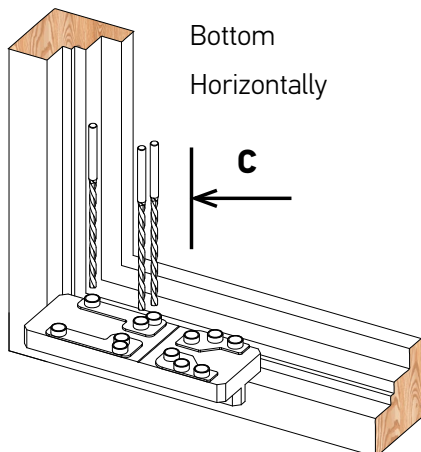
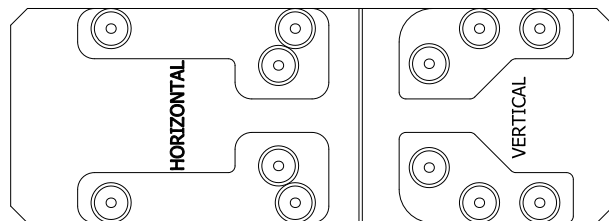
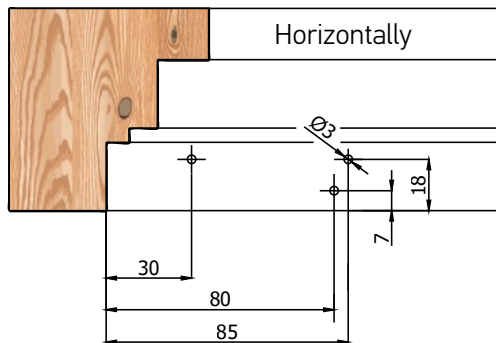
## Drilling guidance

Tools / Installation /  
Adjustments

Drilling guidance for top and bottom hinges on a frame, on the left



Drilling template A7145-01-N03  
(for width of frame rebate 24 mm)

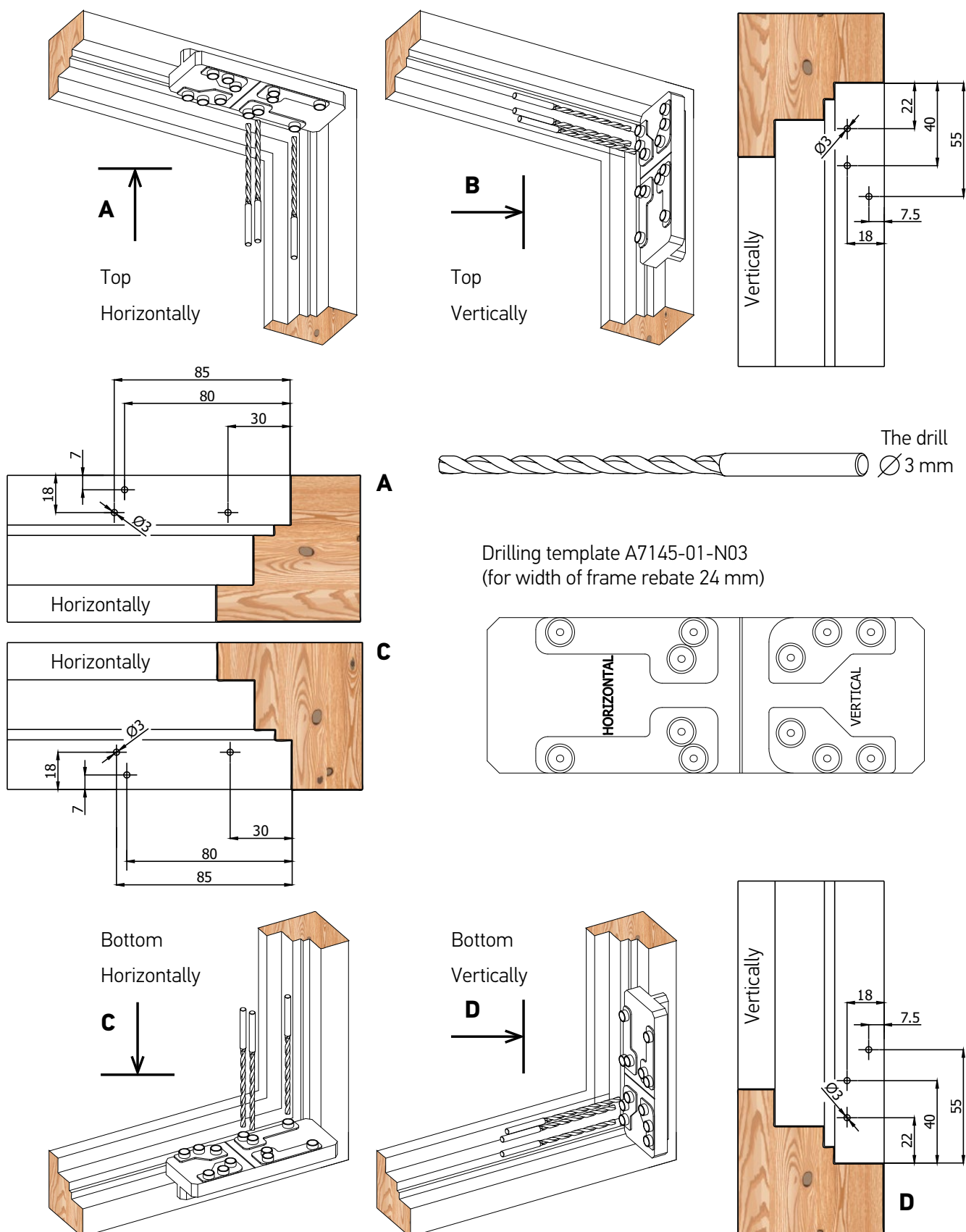




## Drilling guidance

Tools / Installation /  
Adjustments

Drilling guidance for top and bottom hinges on a frame, on the right

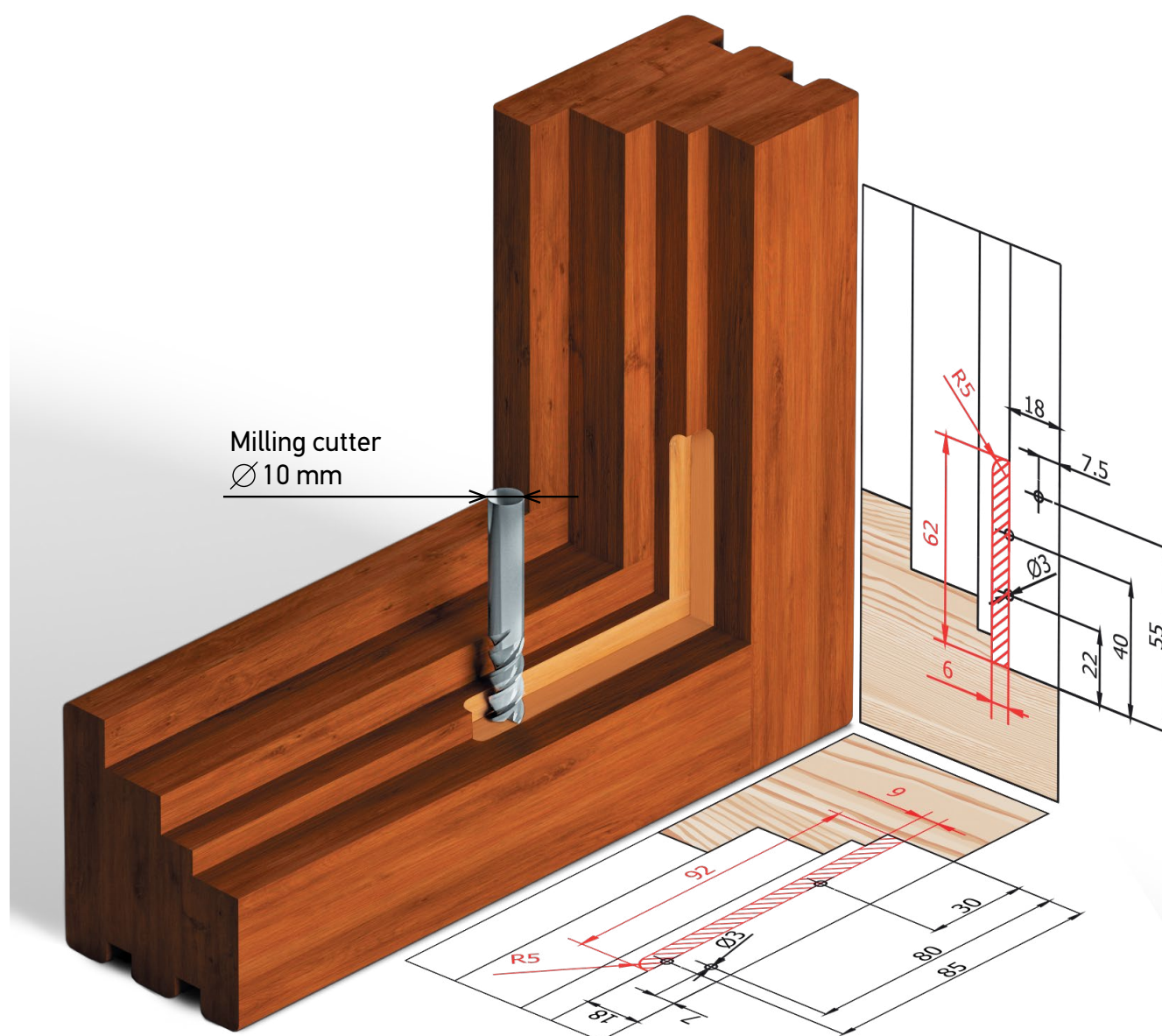


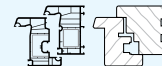


## Guidance for the milling operation

Tools / Installation /  
Adjustments

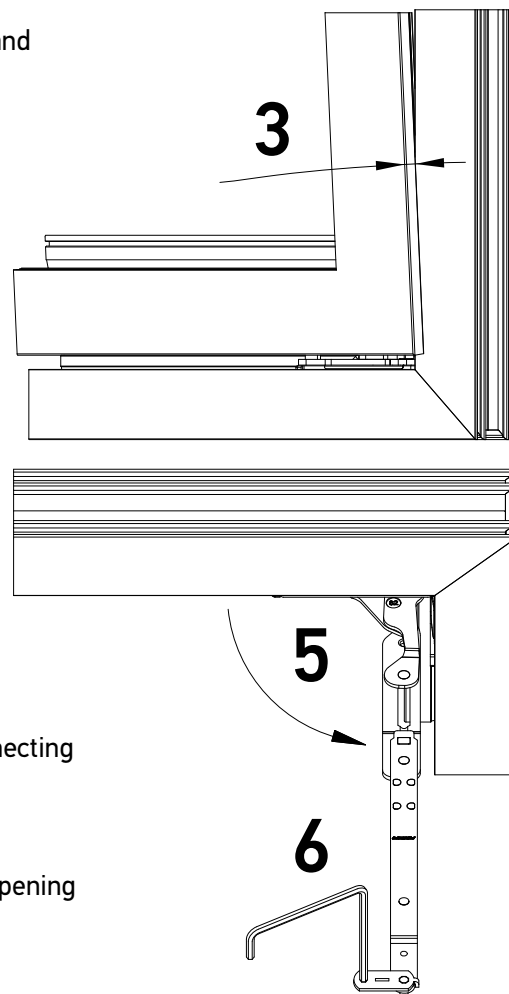
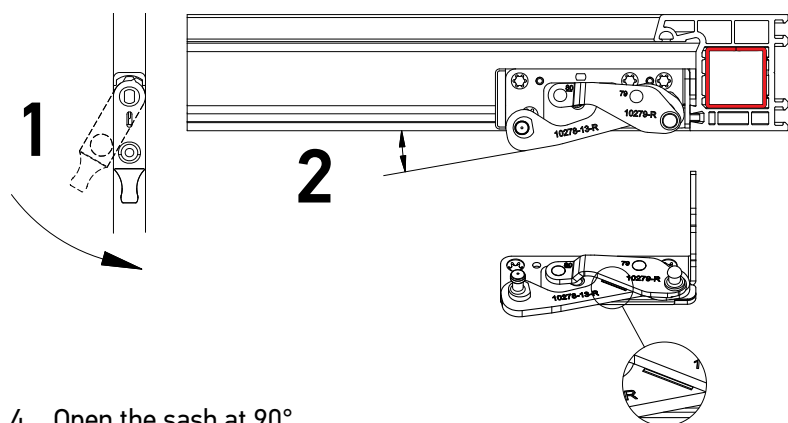
Guidance for the milling operation to the sash rebate 18mm, timber profiles



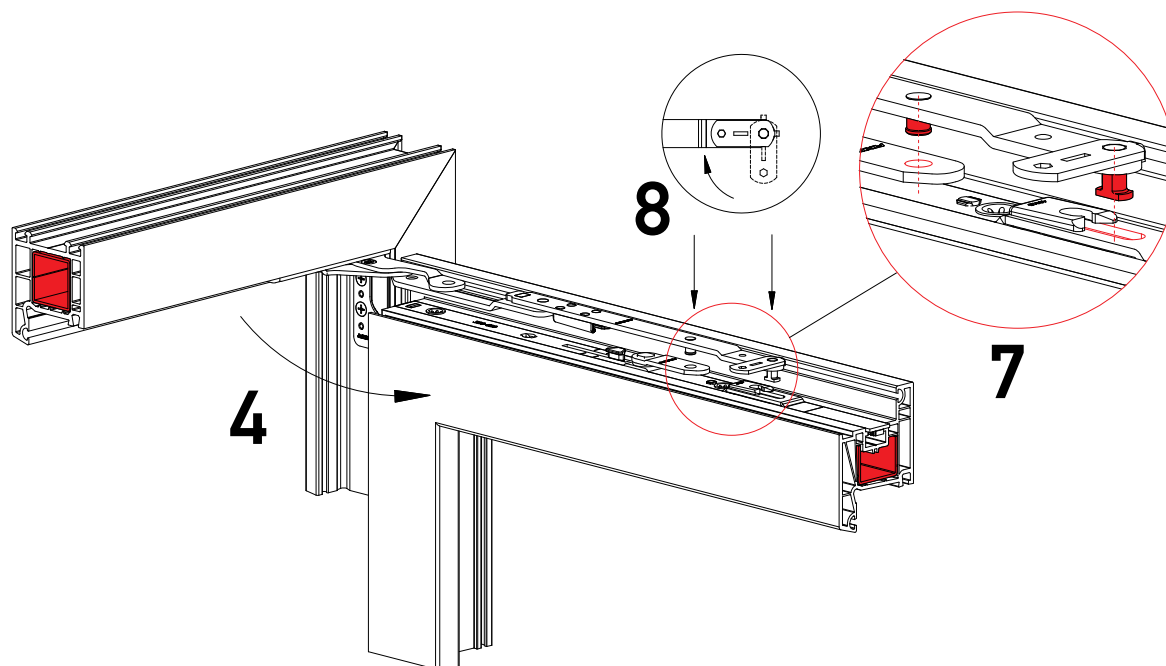


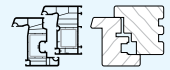
## Sash's installation

1. Move the wrong operation safety device to the "middle" position and turn a handle to the "tilt" position.
2. Open the concealed bottom hinge at an angle of  $\approx 5-10^\circ$ , until the mark coincides with the lever.
3. Slightly tilting a sash to install it on the concealed bottom hinge.

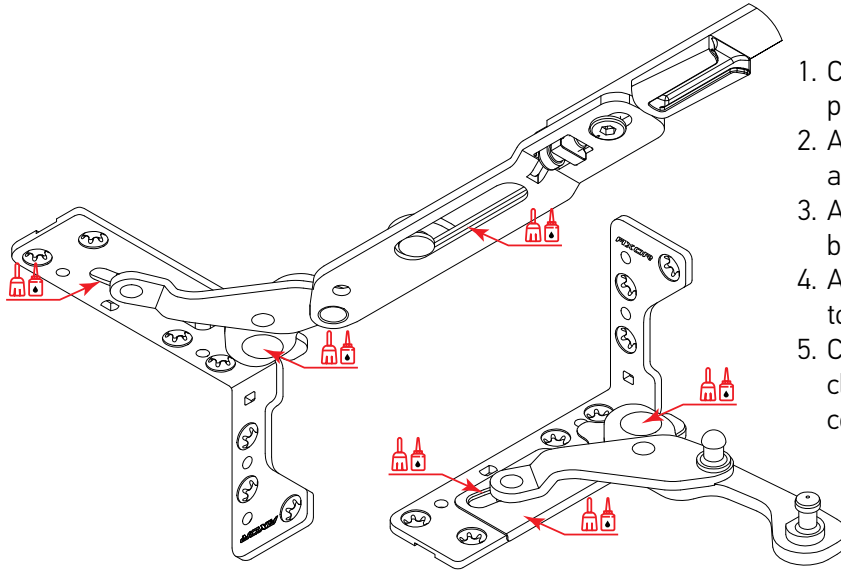


4. Open the sash at  $90^\circ$ .
5. Open the concealed stay arm.
6. Turn a locking plate using hex 4mm, until it stops.
7. Connect the concealed stay arm with the concealed stay arm connecting plate and close the locking plate.
8. Block the locking plate on the stay arm.
9. Rotate the handle into the turn position
10. Turn the wrong operation safety device according to direction of opening
11. Close the sash.



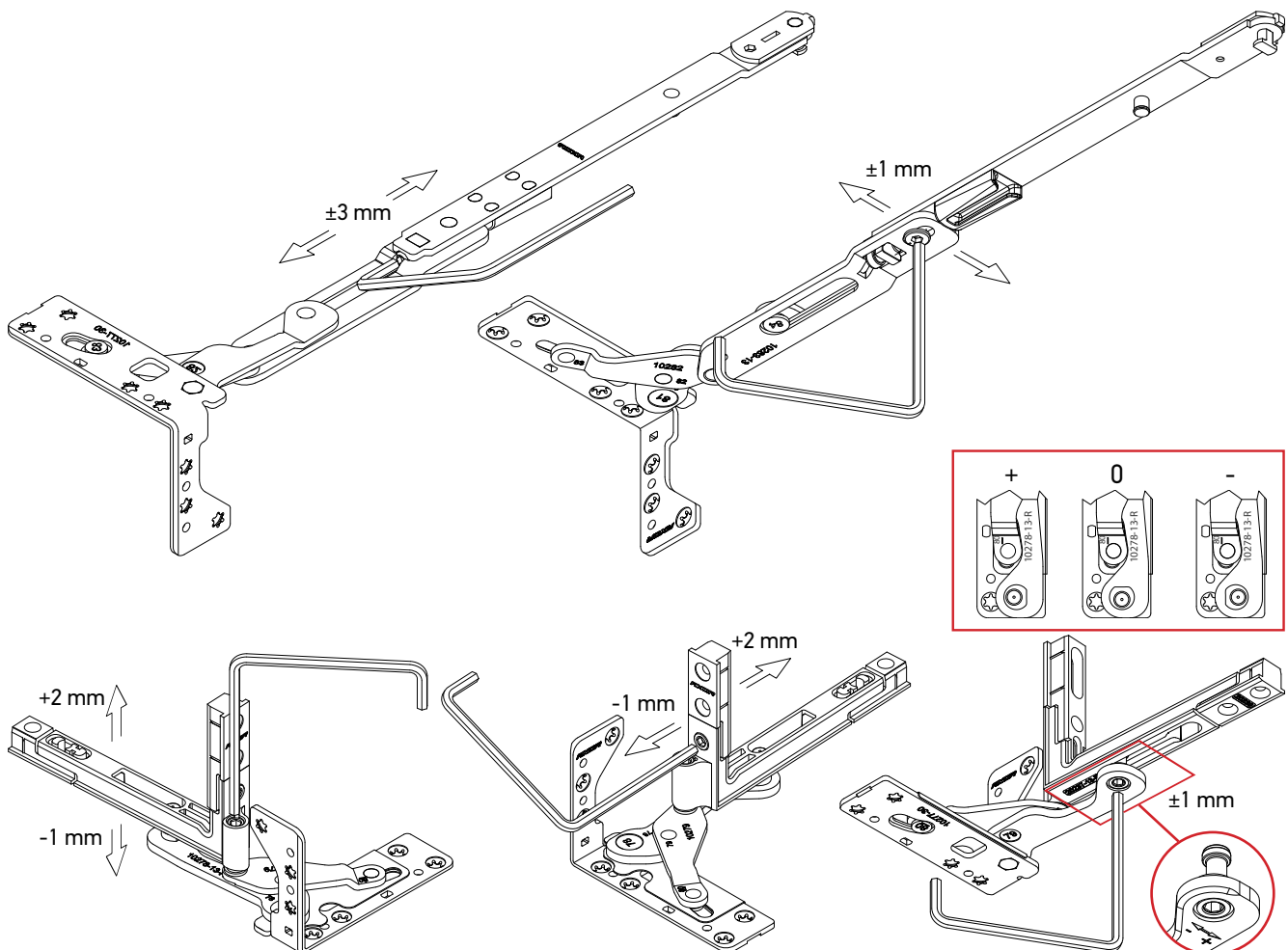


For reliable and long-term working of window hardware it is necessary to adhere to simple rules of operation:



1. Carry out cleaning of hardware with pH-neutral means
2. Avoid mechanical damage to elements and their surface
3. Avoid contact of window hardware with building materials
4. Avoid exposure of aggressive acid vapors to window hardware
5. Carry out regularly (1 time per year) cleaning and lubrication of all major components of hardware

## Adjustments

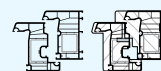


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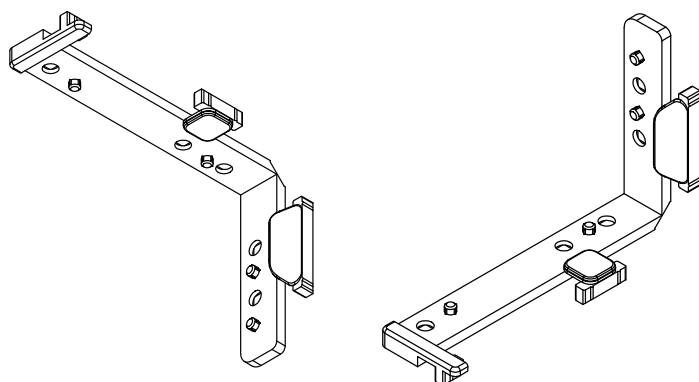
Profile-dependent elements

**AXOR**



## Concealed hinge packer

Profile-dependent  
elements



| Description                                                           | Part No.       |
|-----------------------------------------------------------------------|----------------|
| Concealed hinge packer, WDS, VEKA, 13 mm, left / right                | A7120-13-L/R03 |
| Concealed hinge packer, EUROCELL LOGIC 70 OVALO, 13 mm, left / right  | A7121-13-L/R03 |
| Concealed hinge packer, LINIAR, 13 mm, left / right                   | A7122-13-L/R03 |
| Concealed hinge packer, WINTech, 13 mm, left / right                  | A7123-13-L/R03 |
| Concealed hinge packer, REHAU, 13 mm, left / right                    | A7124-13-L/R03 |
| Concealed hinge packer, ALUPLAST 2000, 13 mm, left / right            | A7125-13-L/R03 |
| Concealed hinge packer, KBE, left / right                             | A7126-00-L/R03 |
| Concealed hinge packer, ALUPLAST 4000, 13 mm, left / right            | A7127-13-L/R03 |
| Concealed hinge packer, DECEUNINCK, 13 mm, left / right               | A7128-13-L/R03 |
| Concealed hinge packer, GEALAN S8000, 13 mm, left / right             | A7154-13-L/R03 |
| Concealed hinge packer, SALAMANDER 3D, 13 mm, left / right            | A7155-13-L/R03 |
| Concealed hinge packer, DECEUNINCK ZENDOW/LEGEND, 13 mm, left / right | A7156-13-L/R03 |
| Concealed hinge packer, SALAMANDER bluEvolution, 13 mm, left / right  | A7157-13-L/R03 |



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