Roto
Window & Door
Technology



# Roto NX

Hinge side C

The Tilt&Turn hardware system for windows and balcony doors shaping the industry once again

Installation, maintenance and operation instructions for PVC profiles

# Contact

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# 1 General information

## 1.1 Version history

| Version | Date | Changes |
|---|---|---|
| v0 | 16.05.2024 | Publication |

## 1.2 Instructions

This manual contains important information, instructions, application diagrams (max. sash sizes and weights) and assembly instructions for the installation, maintenance and operation of hardware.

The information and instructions contained in this document refer to products belonging to the Roto hardware system named on the front page.

All steps must be completed in sequence.

The following documents apply in addition to these instructions:

- Catalogue
  - Roto NX: CTL_105
  - Roto Handles: CTL_1

The following guidelines also apply:

www.guetegemeinschaft-schloss-beschlag.de

- Directive TBDK issued by the Gütegemeinschaft Schlösser und Beschläge e. V. quality assurance association (Attachment of supporting fitting components for turn-only and tilt&turn fittings),
- Directive VHBE issued by the Gütegemeinschaft Schlösser und Beschläge e. V. quality assurance association (Hardware for windows and balcony doors – Guidelines / advice for end-users),
- Directive VHBH issued by the Gütegemeinschaft Schlösser und Beschläge e. V. quality assurance association (Hardware for windows and balcony doors – Guidelines / advice on the product and on liability),
- Directive FPKF issued by the Gütegemeinschaft Schlösser und Beschläge e. V. quality assurance association (Restrictor and cleaning stays for Tilt-Only sashes and Tilt-Only fanlights),
- Instructions and information issued by profile manufacturers (e.g. manufacturers of windows and balcony doors),
- The applicable regulations, directives and national laws.

Compliance with the following guidelines is additionally recommended:

- TLE.01 issued by the VFF (German Window and Facade Association) Correct handling of ready-to-install windows and external doors during transport, storage and installation,
- WP.01 issued by the VFF (German Window and Facade Association) Maintenance of windows, facades and external doors – Maintenance, care and inspection – Information for sales,
- WP.02 issued by the VFF (German Window and Facade Association) Maintenance of windows, facades and external doors – Maintenance, care and inspection – Measures and documents,
- WP.03 issued by the VFF (German Window and Facade Association) Maintenance of windows, facades and external doors – Maintenance, care and inspection – Maintenance agreement.

### Storing the instructions

These instructions are an important part of the product. The instructions must be stored so that they are always to hand.

### Explanation of the markings

The manual uses the following markings for emphasis (e.g. in figures or instructions):

| Marking | Meaning |
|---|---|
| | Optional / alternative components seated in the sash |
| | Sash / components seated in the sash |
| | Optional / alternative components seated in the frame |
| | Frame / components seated in the frame |
| | Drill holes, routing, screw positions |
| | Unaffected components / indirectly affected components |
| | Components, arrows or movements that have just been described |
| 1 | Item number |
| [1] | Legend |
| [A] | Steps |

**INFO**

Any dimensions without a unit in the instructions are given in millimetres (mm). Other units of measurement are clearly indicated by the presence of the differing unit.

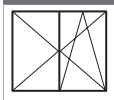
**INFO**

Figures are provided in the right-hand version (DIN 107).

## 1.3 Symbols

| Symbol | Meaning |
|---|---|
| ■ | First-level list |
| □ | Second-level list |
| → | (Cross-)reference |
| ▷ | Result |
| ▶ | Unnumbered step |
| 1. | Numbered step |
| a. | Numbered second-level step |
| ⇨ | Requirement |

## 1.4 Pictographs

| Symbol | Meaning |
|---|---|
|  | Turn-Only / Tilt&Turn floating-mullion sash window |
|  | Turn-Only window |
|  | Tilt&Turn window |

| Symbol | Meaning |
|---|---|
|  | Sash rebate width |
|  | Sash rebate height |
|  | Sash weight |
|  | Tilt-Only window |
|  | PVC |

## 1.5 Product features

| Symbol | Meaning |
|---|---|
|  | Hardware axis |
|  | Description |
|  | Base |
|  | DIN left / right |
|  | Integrated corner drive |
|  | Rebate clearance |
|  | Sash rebate width |
|  | Sash rebate height |
|  | Sash weight |
|  | Fixed handle height |
|  | Centred / variable handle height |
|  | Size |
|  | Information |

| Symbol | Meaning |
|---|---|
|  | Fixed toggle lever position |
|  | Centred / variable toggle lever position |
|  | Couplable |
|  | Length |
|  | Material number |
|  | Installation type |
|  | Lifting mishandling device |
|  | Surface |
|  | Position |
|  | Profile |
|  | Number of welded-on strikers |
|  | Number of locking cams |
|  | Type of locking cams |
|  | Security class |
|  | Bullet catch |
|  | System |
|  | Adjustment |

## 1.6 Abbreviations

| Abbreviation | Meaning |
|---|---|
| GC | Gasket compression |
| CTL | Catalogue |
| DIN L / R | DIN left / right |
| $d_k$ | Screw head diameter |
| T&T | Tilt&Turn |

| Abbreviation | Meaning |
|---|---|
| BS | Backset |
| SRW | Sash rebate width |
| SRH | Sash rebate height |
| S.kg | Sash weight |
| HH | Handle height |
| BSec | Basic security |
| IMO | Installation instructions |
| Y | Yes |
| kg | Kilograms |
| KU | Couplable |
| m | Metres |
| Max. | Maximum |
| Min. | Minimum |
| mm | Millimetres |
| CL | Centre lock |
| N | No |
| N[1] | Newtons |
| Nm | Torque in newton metres |
| LMD | Lifting mishandling device |
| RC | Resistance class |
| BC | Bullet catch |
| SEC | Security |
| ST | Striker |
| e.g. | For example |

## 1.7 Target groups

The information in this document is directed at the following target groups:

### Hardware dealers

The “hardware dealers” target group includes all companies and individuals that purchase hardware from hardware manufacturers for resale, without modifying or further processing the hardware.

### Window and balcony door manufacturers

The “window and balcony door manufacturers” target group includes all companies and individuals that purchase hardware from hardware manufacturers or hardware dealers and further process the hardware by integrating it in windows and balcony doors.

### Building element dealers or installation companies

The “building element dealers or installation companies” target group includes all companies and individuals that purchase windows and balcony doors from window and balcony door manufacturers for resale and for installation in construction projects, without modifying the windows or balcony doors.

### Builders

The “builders” target group includes all companies and individuals who place orders for the manufacture of windows and balcony doors for installation in their construction projects.

### End users

The “end users” target group includes all individuals who use the installed windows and balcony doors.

[1] in the context of the application diagrams

## 1.8 Target groups' obligation to give instructions

**INFO**

Each target group must fulfil their obligation to give instructions in full.

Unless specified otherwise in the text below, documents and information can be passed on as a printed document, on a data storage device or via the Internet.

**Responsibility of hardware dealers**

Hardware dealers must pass the following documents on to the window and balcony door manufacturer:

- Catalogue
- Installation, maintenance and operation instructions
- Directive on attachment of supporting fitting components for turn-only and tilt&turn fittings (TBDK)
- Guidelines/advice on the product and on liability (VHBH)
- Guidelines/advice for end-users (VHBE)

**Responsibility of the window and balcony door manufacturer**

The window and balcony door manufacturer must pass the following documents on to building element dealers or the builder, even if a subcontractor (installation company) is involved:

- Installation, maintenance and operation instructions
- Directive on attachment of supporting fitting components for turn-only and tilt&turn fittings (TBDK)
- Guidelines/advice on the product and on liability (VHBH)
- Guidelines/advice for end-users (VHBE)

They must ensure that the end users are provided with the documents and information intended for them in printed format.

**Responsibility of building element dealers and the installation company**

Building element dealers must pass the following documents on to the builder, even if a subcontractor (installation company) is involved:

- Installation, maintenance and operation instructions (with a focus on hardware)
- Guidelines/advice on the product and on liability (VHBH)
- Guidelines/advice for end-users (VHBE)

**Responsibility of the builder**

The builder must pass the following documents on to the end user:

- Installation, maintenance and operation instructions (with a focus on hardware)
- Guidelines/advice for end-users (VHBE)

## 1.9 Copyright protection

The contents of this document are copyright-protected. This content can be used when working with the hardware. Any other use is not permitted without written permission of the manufacturer.

## 1.10 Limitation of liability

All information and instructions contained in this document have been compiled in consideration of the applicable standards and regulations, the latest developments in technology and many years of knowledge and experience.

The hardware manufacturer assumes no liability for damage caused by:

- Failure to comply with this document and all product-specific documents and other applicable directives (see the chapters entitled “Security” and “Stipulated use”).
- Improper use / misuse (see the chapters entitled “Security” and “Stipulated use”).
- Insufficient invitation to tender, non-compliance with installation specifications and non-compliance with the application diagrams (where available).
- Increased contamination.

Claims made by third parties against the hardware manufacturer on account of damage resulting from misuse or failure to comply with the obligation to give instructions on the part of hardware dealers, window, door and balcony door manufacturers and building element dealers or the builder are passed on accordingly.

The obligations agreed in the delivery contract, the general terms and conditions, the hardware manufacturer’s terms and conditions of delivery and the legal provisions applicable when the contract was concluded shall apply.

The warranty only covers original Roto components.

We reserve the right to make technical changes as part of improvement to performance characteristics and further development.

## 1.11 Preserving the surface finish

**ATTENTION**

**Surface treatments may cause property damage.**

Surface treatments (e.g. painting and varnishing) on elements can damage components or prevent them from working properly.

- For masking, only use adhesive tape that does not damage the paint coats. Consult the manufacturer if in doubt.
- Protect components against direct contact with the surface treatment.
- Protect components against contamination.

## ATTENTION

**Using incorrect cleaning agents and sealing compounds may cause property damage.**

Cleaning agents and sealing compounds may damage the surfaces of components and gaskets.

- Do not use aggressive or flammable liquids, acidic cleaners or abrasive cleaners.
- Only use mild, pH-neutral cleaning agents that have been diluted.
- Apply a thin protective film to the components, for example using a cloth soaked in oil.
- Avoid aggressive vapours (e.g. produced by formic acid, acetic acid, ammonia, amine compounds, ammonia compounds, aldehyde, carbolic acid, chlorine, tannic acid) around the element.
- Do not use any acetic acid-crosslinking or acid-crosslinking sealing compounds or those with the aforementioned constituents as both direct contact with the sealing compound and its fumes can corrode the surface of the components.

## ATTENTION

**Contamination may cause property damage.**

Contamination prevents components working properly.

- Remove deposits and contamination caused by construction materials (e.g. plaster, gypsum).
- Keep components free of deposits and contaminants.

## ATTENTION

**(Permanently) damp room air may cause property damage.**

Damp room air can lead to mould growth and corrosion caused by condensation.

- Provide adequate ventilation for components, particularly during the construction phase.
- Intensively air out the room several times per day by opening all elements for approximately 15 minutes. If intensive airing is not an option, place the elements in the tilt position and provide airtight masking inside the room, e.g. if there is fresh screed that cannot be walked on or must not be exposed to draughts. Discharge any humidity present in the room air to the outside using condensation dryers.
- Establish a ventilation plan for more complex construction projects if necessary.
- Provide adequate ventilation during holiday periods as well.

# 2 Security

This manual contains instructions relating to safety. The principal safety information in this chapter includes information and instructions relevant to the safe use or maintaining the safe condition of the product. Warning instructions that relate to handling warn of residual risks and are located before steps that are relevant to safety.

- Follow all of the instructions in order to prevent personal injury and property and environmental damage.

## 2.1 Presentation and structure of warning instructions

The warning instructions relate to individual actions and are structured as follows with a warning symbol:



**DANGER**

**Nature and source of the danger.**

Explanation and description of the danger and the implications.

- Measures to take to avert the danger.

## 2.2 Security levels of warning instructions

The warning instructions that relate to handling are identified differently according to the severity of the associated danger. The signal words and the associated warning symbols used are clarified below.



**DANGER**

**Immediate risk of death or serious injuries.**

- Observe these warning instructions to avoid personal injuries.



**WARNING**

**Potential risk of death or serious injuries.**

- Observe these warning instructions to avoid personal injuries.



**CAUTION**

**Risk of injuries**

- Observe these warning instructions to avoid personal injuries.



**ATTENTION**

**Reference to property or environmental damage.**

- Observe these warning instructions to avoid property or environmental damage.

## 2.3 Stipulated use

Turn-Only and Tilt&Turn hardware components are one-hand operation, Turn-Only and Tilt&Turn hardware components for windows and balcony doors in structural engineering. This hardware is used to move window sashes and balcony door sashes to a turned position by actuating a hand lever or a tilt position which is restricted by the scissor stay version. Turn-Only and Tilt&Turn hardware components may be used on vertically installed windows and balcony doors made of timber, PVC, aluminium or steel, or corresponding combinations of the aforementioned materials. Turn-Only and Tilt&Turn hardware components in the sense of this definition close windows and bal-

cony door sashes or move them into various ventilation positions. During the closing process, the gasket counter force must generally be overcome.

Stipulated use also includes compliance with all safety information and specifications contained in these instructions, the other applicable documents and the applicable regulations, directives and national laws.

### 2.3.1 Misuse

Any use and processing of the products that goes beyond or differs from the stipulated use is considered misuse and can lead to hazardous situations.

**WARNING**

**Misuse may pose a risk of death!**

Misuse and incorrect installation of hardware can lead to serious injuries.

- Only use hardware combinations that have been approved by the hardware manufacturer.
- Only use original accessories or those that have been approved by the hardware manufacturer.
- Note the product-related documentation → *from page 9*.

### 2.3.2 Usage restriction

Opened sashes in windows and balcony doors, and windows and balcony door sashes that are unlocked or placed in ventilation positions, only have a shielding effect. They do not meet the following requirements:

- Joint sealing
- Driving rain impermeability
- Sound insulation
- Thermal insulation
- Burglary inhibition

**INFO**

Windows built with security strikers for tilt ventilation fulfil the burglary inhibition function in the tilt position.

## 2.4 Stipulated use for end users

For windows or balcony doors with Turn-Only or Tilt&Turn hardware, windows or balcony door sashes can be moved to a turned position by operating a hand lever or to a tilt position restricted by the scissor stay version.

When closing a sash and locking the hardware, the gasket counter force must generally be overcome.

**WARNING**

**Opening and closing sashes in an uncontrolled manner may pose a risk of death!**

Opening and closing the sash in an uncontrolled manner may lead to serious injuries.

- Ensure that the sash does not collide with the frame, opening restrictor (buffer) or other sashes when it is moved into the fully open or closed position.
- Ensure that the sash is slowly guided by hand throughout its entire movement range, until it has been brought into a fully closed or opening position.

**ATTENTION**

**Opening and closing sashes in an uncontrolled manner may result in property damage.**

Opening and closing the sash in an uncontrolled manner may cause the element to malfunction.

- Ensure that the sash does not collide with the frame, opening restrictor (buffer) or other sashes when it is moved into the fully open or closed position.
- Ensure that the sash is slowly guided by hand throughout its entire movement range, until it has been brought into a fully closed or opening position.

Any use and processing of the products that goes beyond or differs from the stipulated use is considered misuse and can lead to hazardous situations.

No claims of any kind can be made on account of damage resulting from failure to comply with the stipulated use.

### 2.4.1 Misuse

Any use and processing of the products that goes beyond or differs from the stipulated use is considered misuse and can lead to hazardous situations.

**WARNING**

**Misuse may pose a risk of death!**

Misuse and incorrect installation of hardware can lead to serious injuries.

- Only use hardware combinations that have been approved by the hardware manufacturer.
- Only use original accessories or those that have been approved by the hardware manufacturer.
- Note the product-related documentation → *from page 9*.

## 2.5 Basic safety information

The following hazards may arise when handling the product:

### 2.5.1 Installation

**Incorrect installation poses an immediate risk of death or serious injuries.**

Incorrect installation or assembly of hardware can lead to hazardous situations or property damage. Depending on the height of the fall, this can result in serious to life-threatening injuries and glass breakage.

- Only use hardware combinations that have been approved by the hardware manufacturer.
- Only use original accessories or those that have been approved by the hardware manufacturer.
- Always have installation performed by a specialist company.

**Heavy loads pose a risk of injury.**

Lifting and carrying heavy loads may lead to injuries in the event of a fall or physical overexertion.

- Note the applicable accident prevention regulations.

- Transport heavy loads with two people and use suitable transportation means (such as an industrial truck).

**Physical overexertion may be harmful to health.**

Moving heavy loads for extended periods leads to physical injury in the long term.

- When carrying and lifting by hand, comply with a maximum weight of 25 kg for men and 10 kg for women.
- Carry and lift even small loads with an ergonomically correct posture.

## 2.5.2 Use

**Falls from open windows and balcony doors present an immediate risk of death and pose the risk of serious injuries.**

Opened sashes of windows and balcony doors create a danger zone. Depending on the height of the fall, this can result in serious to life-threatening injuries and glass breakage.

- Take care when in the vicinity of open windows and balcony doors.
- Keep children and anyone unable to understand the risks away from the hazardous area.

**Trapping body parts in the opening between sash and frame may lead to serious injuries.**

Gripping between the sash and frame when closing windows and balcony doors poses the risk of crushing injuries.

- When closing windows and balcony doors, never grip between the sash and frame and always exercise caution.
- Keep children and anyone unable to understand the risks away from the hazardous area.

**Opening and closing leaves improperly poses the risk of injury and property damage.**

Incorrect opening and closing of leaves can result in serious injuries and substantial property damage.

- When moving the sash, ensure that it will not slam against the frame or other leaves once fully opened or closed.
- Ensure that the sash is slowly guided by hand throughout its entire movement range, until it has been brought into a fully closed or opening position.
- When closing a sash and locking the hardware, the gasket counter force must be overcome.

**Misuse poses a risk of injury and property damage.**

Misuse can lead to hazardous situations and may destroy the hardware, frame materials or other individual components within the windows or balcony doors.

- Do not introduce any obstacles in the opening area between the frame and window or balcony door sashes.
- Do not place additional loads on windows and balcony door sashes.
- Refrain from intentionally or uncontrollably slamming or pushing the window or balcony door sash against the window reveal or the opening restrictor.

**Improper maintenance poses the potential risk of injury and property damage.**

Windows and balcony doors, including the hardware, require expert maintenance (care, cleaning, maintenance and inspection) in order to guarantee their proper condition and safe use.

- Keep the hardware free of deposits and contaminants.

- Carry out care and cleaning tasks as specified in these instructions.
- Always have regular maintenance, adjustment and repair work carried out by a specialist company.

## 2.5.3 Ambient conditions

**Physical and chemical influences may result in property damage.**

Hardware components can be permanently damaged in a saline, aggressive or corrosive environment to the point that they can no longer function.

- Do not use the hardware components in a saline, aggressive or corrosive environment.
- Carry out care and cleaning tasks as specified in these instructions.
- Corrosion protection must be inspected by an authorised specialist company as part of regular maintenance work.

**Moisture may cause property damage.**

Depending on the outside temperature, relative humidity of the room air and installation situation of the windows and balcony doors, a temporary build-up of condensation may occur. This can lead to corrosion on the hardware and mould growth on the frame or wall. Ambient conditions that are too damp, particularly during the construction phase, can lead to timber elements warping.

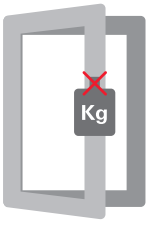
- Avoid preventing the circulation of air (e.g. due to deep reveals, curtains and unfavourable positioning of heaters or the like).
- Intensively air out the room several times per day.

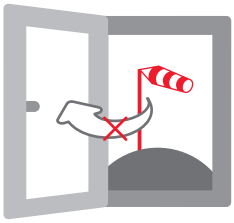
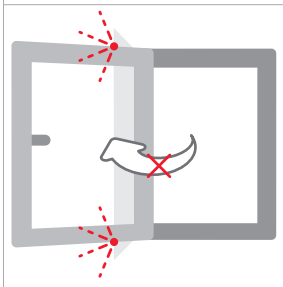
  Open all windows and balcony doors for approximately 15 minutes so that the air in the room can be completely replaced.
- Provide adequate ventilation during holiday periods as well.
- Create a ventilation plan for construction projects if necessary.

## 2.6 Operation

The safety symbols and markings and the associated warning instructions explained below apply to the safe operation of windows and balcony doors.

**Safety symbols and markings**

| Symbol | Meaning |
|---|---|
|  | **Falls from open windows and balcony doors present an immediate risk of death and pose the risk of serious injuries.**<br>Take care when in the vicinity of open windows and balcony doors.<br>Keep children and anyone unable to understand the risks away from the hazardous area. |
|  | **Trapping body parts in the opening between sash and frame may lead to serious injuries.**<br>When closing windows and balcony doors, never grip between the sash and frame and always exercise caution.<br>Keep children and anyone unable to understand the risks away from the hazardous area. |
|  | **Placing additional loads on the sash may lead to minor injuries and property damage.**<br>Avoid placing additional loads on the sash. |

| Symbol | Meaning |
|---|---|
|  | **The impact of wind may lead to minor injuries and property damage.**<br>Avoid exposing the open sash to wind.<br>Close and lock the window and balcony door sash in windy or draughty conditions. |
|  | **Introducing obstacles into the opening between sash and frame may result in minor injuries and property damage.**<br>Avoid introducing obstacles into the opening between sash and frame. |
|  | **Pressing the sash against the edge of an opening (reveal) may pose a risk of minor injuries and cause property damage**<br>Refrain from pressing the sash against the edge of an opening (reveal). |

# 3 Information on the product

## 3.1 General hardware characteristics

- Central locking system fully concealed in the sash rebate with single-handed operation:
  - Profiled faceplate
  - Effortless and low-wear operation thanks to adjustable locking cams guided over the surface
- Simple adjustment options for lateral and height adjustment. Additional gasket compression adjustment using:
  - E locking cam: gasket compression adjustable eccentric cam
  - P locking cam: gasket compression adjustable security eccentric cam
  - V locking cam: gasket compression and height adjustable security eccentric cam
- Link-guided stay arm, as standard with:
  - Integrated anti-slam device (Tilt&Turn version only)
  - Safeguard against incorrect operation in the tilt position (Tilt&Turn version only)
  - Variable tilt depth restriction (80 or 140 mm, Tilt&Turn version only)
  - Turn restriction
- The centre sash is always a Turn-Only sash.
- Stay bearing and pivot rest fully concealed in the sash rebate.
- 3D adjustment in the stay arm / corner hinge / pivot rest.
- Lasting and reliable load relief on the pivot rest.
- Form-fitting “Clip&Fit” connection.
- With burglar inhibiting anti-jemmy device in the tilt striker as standard.
- Low-maintenance thanks to grease deposit recesses.
- Tested in accordance with DIN EN 13126-8 and EN 1191 and certified in accordance with QM 328.
- High-quality Roto Sil surface (matt silver) for maximum corrosion resistance (DIN EN 13126-8 and free from chromium VI compounds).

  In combination with Roto Sil, Roto Sil Level 6 is an advanced standard for connection components subject to high stress, such as rivets, bolts and sliding elements.
- Ten-year warranty for the functionality of the hardware.

## 3.2 General information

### Hardware functional safety

The following points must be noted in order to ensure the functional safety of the hardware at all times:

1. Correct installation of hardware components in accordance with the installation instructions.
2. Correct installation of elements during window installation.
3. The window manufacturer must pass the maintenance and operation instructions and the product liability guidelines (if applicable) on to the user.
4. The hardware as a whole may only consist of original Roto system components. The use of components from other manufacturers excludes any liability.

### Product liability regulations

Electrogalvanised and passivated steel fenestration screws are to be used to fasten the hardware components.

The window manufacturer must ensure that the hardware components are adequately secured; the screw manufacturer must be involved if required.

When attaching security-relevant, load-bearing hardware components (hinge sides), the manufacturer of windows and balcony doors must prove the specified forces in accordance with the table below (excerpt from Directive TBDK issued by the Gütegemeinschaft Schlösser und Beschläge e. V. quality assurance association) by means of testing and ensure them on their product.

**INFO**

Observe directive TBDK for tractive force values as a function of the sash weights.

Further information can be found at www.guetegemeinschaft-schloss-beschlag.de.

Do not use any acid cross-linked sealing compounds that could lead to corrosion of the hardware components. The spacer block guidelines for glazing methods must be complied with.

### Product liability – liability exclusion

The hardware manufacturer is not liable for malfunctions or damage to the hardware, or to windows and balcony doors equipped with the hardware, if this has been caused by insufficient invitation to tender or failure to comply with the installation specifications and application diagrams, or if the hardware has been subjected to increased levels of dirt.

The warranty only covers original Roto components.

### Profile classification – application ranges

The individual application diagrams must strictly be complied with.

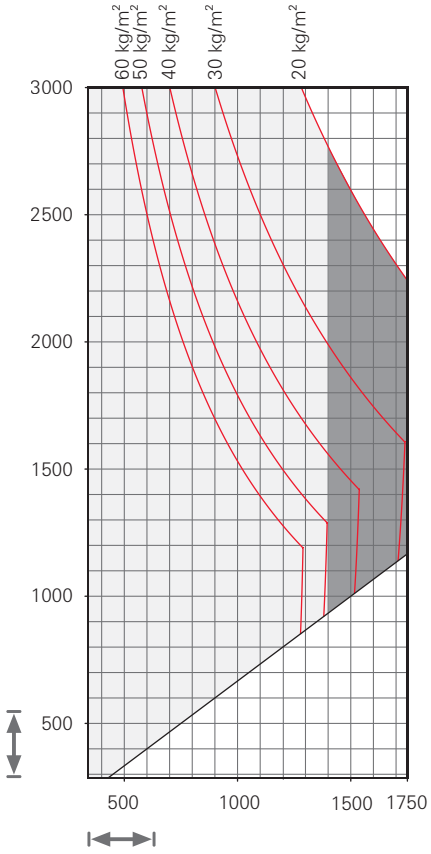
When determining the maximum permitted sash formats and sash weights, the values specified by the profile manufacturers and system owners must not be exceeded either.

## 3.3 Application diagrams

### 3.3.1 Turn-Only / Tilt&Turn hardware for rectangular windows

#### 3.3.1.1 100 kg

**INFO**
For information on using and reading application diagrams, e.g. for interpolation (calculating missing intermediate values), see BRO_347 (Roto application diagrams).




= Impermissible application range

= Additional stay arm required

**Test and calculation principles:**

Tilt&Turn test in accordance with QM 328 – hardware certification programme in accordance with DIN EN 13126-8 – class H3

Deductible dimension of glass = 28 mm

(Sash) profile weight = 3.25 kg/m

Lower deductible dimensions of glass or higher profile weights require a separate assessment.

**INFO**
Evidence on the attachment of load-bearing components to the window system by the window manufacturer in accordance with TBDK with the following forces:

- on the stay bearing 2710 N
- on the pivot rest 2890 N

The specifications in the application diagram refer to the glass weight in kg/m².

1 mm/m² glass thickness ≙ 2.5 kg

Glass weight max. 60 kg/m²

| | | Application range |
|---|---|---|
| ⟷ | Sash width | 340 – 1750 mm |
| ↕ | Sash height | 285 – 3000 mm |
| ⚖ | Sash weight | Max. 100 kg |

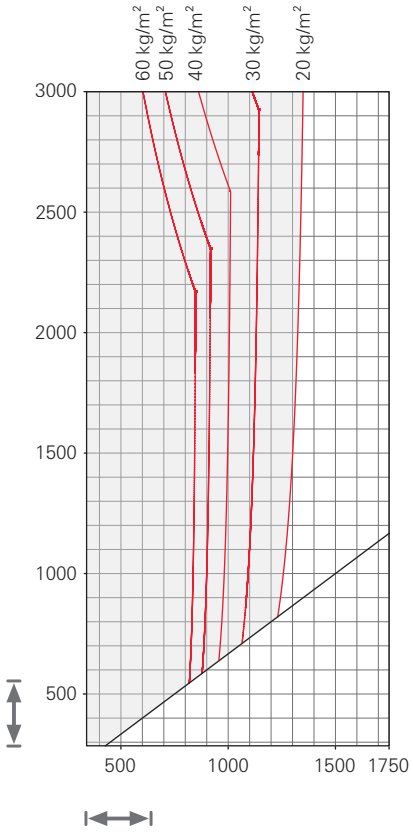
**INFO**
Observe directive TBDK for tractive force values as a function of the sash weights.

Further information can be found at www.guetegemeinschaft-schloss-beschlag.de.

### 3.3.1.2 120 kg

**INFO**
For information on using and reading application diagrams, e.g. for interpolation (calculating missing intermediate values), see BRO_347 (Roto application diagrams).

**INFO**
For balcony doors with thresholds, load transfer must be fitted at weights of 100 kg and above.




Impermissible application range

**Test and calculation principles:**

Tilt&Turn test in accordance with QM 328 – hardware certification programme in accordance with DIN EN 13126-8 – class H3

Deductible dimension of glass = 28 mm

(Sash) profile weight = 3.25 kg/m

Lower deductible dimensions of glass or higher profile weights require a separate assessment.

**INFO**
Evidence on the attachment of load-bearing components to the window system by the window manufacturer in accordance with TBDK with the following forces:

- on the stay bearing 3250 N
- on the pivot rest 3470 N

The specifications in the application diagram refer to the glass weight in kg/m².

1 mm/m² glass thickness ≙ 2.5 kg

Glass weight max. 60 kg/m²

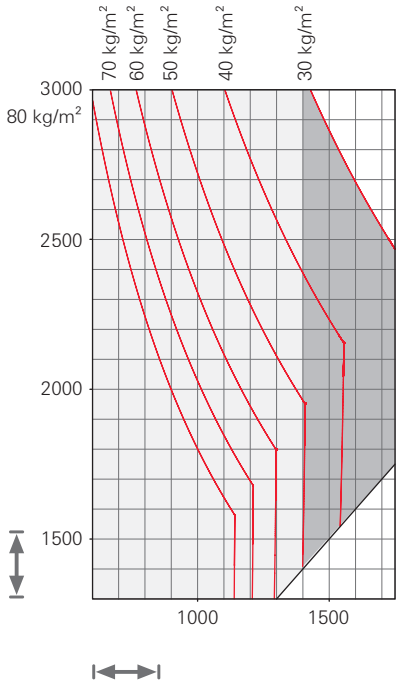
| | | Application range |
|---|---|---|
| | Sash width | 340 – 1350 mm |
| | Sash height | 285 – 3000 mm |
| | Sash weight | max. 120 kg |

**INFO**
Observe directive TBDK for tractive force values as a function of the sash weights.

Further information can be found at www.guetegemeinschaft-schloss-beschlag.de.

### 3.3.1.3 Load transfer from 80 to 150 kg

**INFO**
For information on using and reading application diagrams, e.g. for interpolation (calculating missing intermediate values), see BRO_347 (Roto application diagrams).




Impermissible application range

= Additional stay arm required

**Test and calculation principles:**

Tilt&Turn test in accordance with QM 328 – hardware certification programme in accordance with DIN EN 13126-8 – class H3

Deductible dimension of glass = 28 mm

(Sash) profile weight = 3.25 kg/m

Lower deductible dimensions of glass or higher profile weights require a separate assessment.

**INFO**
Evidence on the attachment of load-bearing components to the window system by the window manufacturer in accordance with TBDK with the following forces:

- on the stay bearing 4200 N
- on the pivot rest 4340 N

The specifications in the application diagram refer to the glass weight in kg/m².

1 mm/m² glass thickness ≙ 2.5 kg

Glass weight max. 80 kg/m²

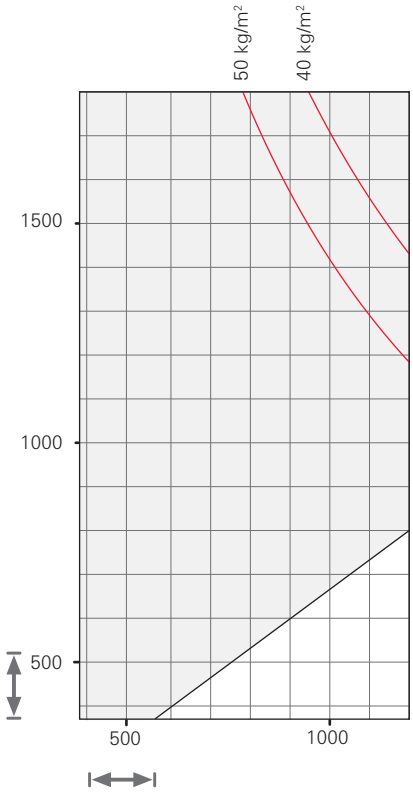
| | | Application range |
|---|---|---|
| | Sash width | 601 – 1750 mm |
| | Sash height | 1300 – 3000 mm |
| | Sash weight | Max. 150 kg |

**INFO**
Observe directive TBDK for tractive force values as a function of the sash weights.

Further information can be found at www.guetegemeinschaft-schloss-beschlag.de.

## 3.3.2 Turn-Only hardware for centre sash in a triple-sashed window

**INFO**
For information on using and reading application diagrams, e.g. for interpolation (calculating missing intermediate values), see BRO_347 (Roto application diagrams).




= Impermissible application range

**Test and calculation principles:**

Tilt&Turn test in accordance with QM 328 – hardware certification programme in accordance with DIN EN 13126-8 – class H3

Deductible dimension of glass = 28 mm

(Sash) profile weight = 3.25 kg/m

Lower deductible dimensions of glass or higher profile weights require a separate assessment.

**INFO**
Evidence on the attachment of load-bearing components to the window system by the window manufacturer in accordance with TBDK with the following forces:

- on the stay bearing 2200 N
- on the pivot rest 2310 N

The specifications in the application diagram refer to the glass weight in kg/m².

1 mm/m² glass thickness ≙ 2.5 kg

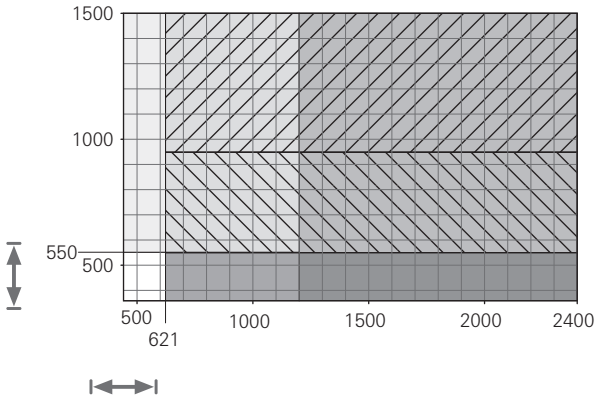
Glass weight max. 60 kg/m²

| | | Application range |
|---|---|---|
| ⟷ | Sash width | 370 – 1200 mm |
| ↕ | Sash height | 430 – 1800 mm |
| | Sash weight | max. 80 kg |

**INFO**
Observe directive TBDK for tractive force values as a function of the sash weights.

Further information can be found at www.guetegemeinschaft-schloss-beschlag.de.

## 3.3.3 Tilt-Only hardware for rectangular windows




= Impermissible application range
= 2 tilt stays at the side
= 1 tilt stay at the top or 2 tilt stays at the side
= 1 tilt stay at the top
= 2 tilt stays at the top or 2 tilt stays at the side
= Only 2 tilt stays at the top
= Additional type 1 restrictor and cleaning stays possible
= Additional type 2 restrictor and cleaning stays possible

The specifications in the application diagram refer to the glass weight in kg/m².

1 mm/m² glass thickness ≙ 2.5 kg

### Application range

| Basic security | | |
|---|---|---|
| | SRW | 450 – 2400 mm |
| | SRH | 370 – 1500 mm |
| | S.kg | with 1 tilt stay max. 60 kg<br>with 2 tilt stays max. 80 kg |

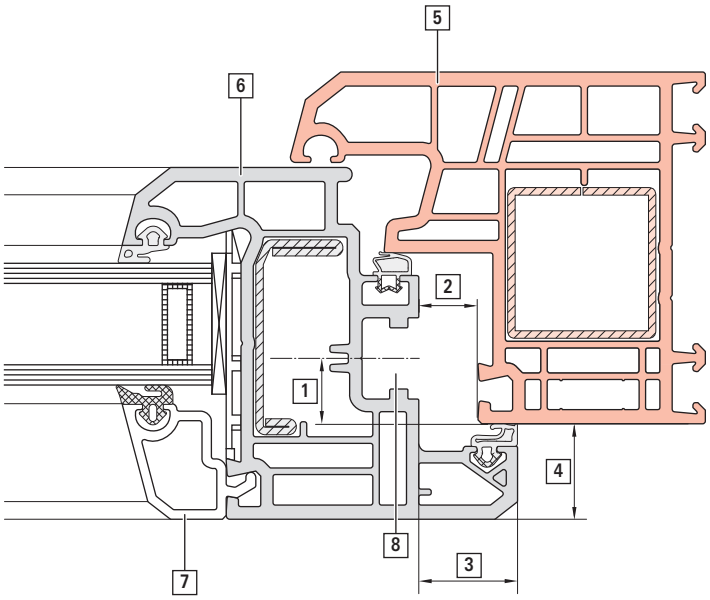
**INFO**
Observe directive TBDK for tractive force values as a function of the sash weights.
Further information can be found at www.guetegemeinschaft-schloss-beschlag.de.

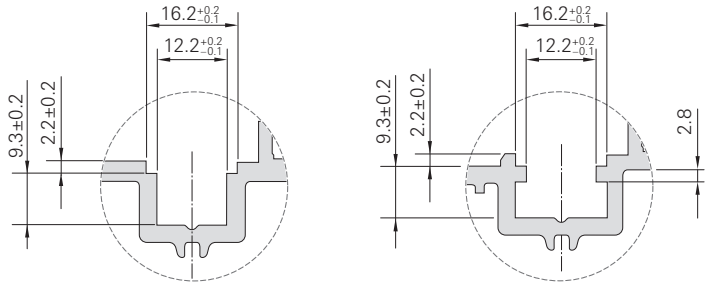
**INFO**
Restrictor and cleaning stays recommended; mandatory for fanlights (in accordance with RAL GZ 607/12).
Restrictor and cleaning stays up to max. 60 kg.

### Opening widths of restrictor and cleaning stays

| SRH | Type | CL | Position of sash bearing from above | Position of frame bearing from above | Tilt depth with min. SRH | | Tilt depth with max. SRH | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Restrictor | Cleaning | Restrictor | Cleaning |
| 550 – 750 | 1 | – | 105.3 | 335.5 | 151 | 314 | 136 | 280 |
| 751 – 950 | 1 | 200 | 305.3 | 535.5 | 203 | 420 | 170 | 350 |
| 951 – 1150 | 2 | – | 105.3 | 480.5 | 215 | 630 | 202 | 600 |
| 1151 – 1350 | 2 | 200 | 305.3 | 680.5 | 258 | 758 | 235 | 700 |
| 1351 – 1500 | 2 | 2x 200 | 505.3 | 880.5 | 300 | 885 | 275 | 820 |

## 3.4 Descriptions on the window element and recommendation for the profile dimensioning



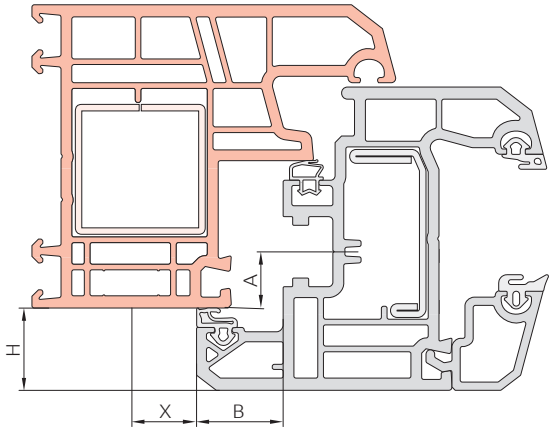




[1] Axis dimension
[2] Rebate clearance
[3] Overlap width
[4] Overlap height
[5] Frame
[6] Sash
[7] Glazing bead
[8] Sash groove

| System | Hardware axis [1] | Rebate clearance [2] | Overlap width [3] |
|---|---|---|---|
| 12/18-9 | 9 mm | Horizontal rebate clearance at the bottom / top 11 – 14 mm<br>At the side: 10 – 14 mm<br>Horizontal rebate clearance at the bottom, preset to 12 mm. | 18 mm |
| 12/18-13 | 13 mm | | |
| 12/20-9 | 9 mm | | 20 mm |
| 12/20-13 | 13 mm | | |
| 12/21-13 | 13 mm | | 21 mm |
| 12/22-13 | 13 mm | | 22 mm |

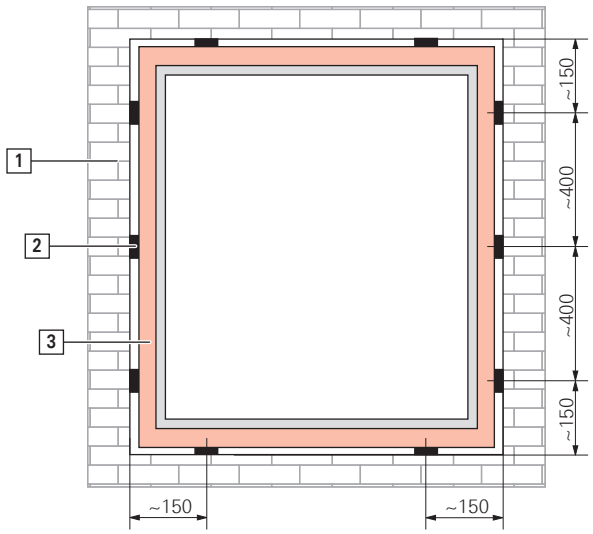
## 3.5 Frame clearances

### 3.5.1 Frame clearances with a 90° opening angle




| Axis dimension [A] | Overlap height [H] | Overlap width [B] | Frame clearance [X] |
|---|---|---|---|
| 13 | 16 | 18 | 1,7 |
| | 20 | 18 | 5,7 |
| | 24 | 18 | 9,7 |
| | 16 | 20 | -0,3 |
| | 20 | 20 | 3,7 |
| | 24 | 20 | 7,7 |
| | 16 | 22 | -2,3 |
| | 20 | 22 | 1,7 |
| | 24 | 22 | 5,7 |

## 3.6 Mounting suggestion for security windows




[1] Masonry

[2] Spacer blocks

[3] Frame

**INFO**

Attach spacer blocks in the vicinity of the screw fixings for the security strikers.

Burglar inhibiting windows in accordance with DIN EN 1627 – 1630 may only be designated as such if installation is performed in accordance with the specified standard in all aspects.

# 4 Hardware overviews

The hardware overviews on the following pages are a recommendation on the part of Roto Frank Fenster- und Türtechnologie GmbH.

The basic page layout in the hardware overviews chapter firstly shows examples of the combination of individual hardware components, and the associated parts list can be seen on the following pages.

Additional combinations of hardware components can be found in the catalogue.

The item numbers in the squares link the hardware overview to the parts list.

The actual composition of the hardware depends on:

- the width of the element
- the height of the element
- the weight of the element
- the resistance class
- the profile system

### Application range

The applicable application range [A] depends on the opening type and resistance class. The application range of the individual components [B] may differ from the applicable application range [A].

**Anwendungsbereich**

**FFB**: 290 - 1600 mm

A — **FFH**: 430 - 2800 mm

**FG**: max. 150 kg

**[1] DK-Getriebe KSR – Griffsitz konstant,** Dornmaß 15 mm

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| B — 280 – 570 | 120 | 460 | J | N | – | – | 742199 |
| 511 – 710 | 170 | 600 | J | J | – | – | 795324 |
| 601 – 800 | 263 | 690 | N | J | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | J | 1 | E | 619592 |
| 1001 – 1200 | 513 | 1090 | N | J | 1 | E | 619593 |
| 1201 – 1400 | 563 | 1290 | N | J | 1 | E | 619594 |
| 1401 – 1600 | 563 | 1490 | N | J | 2 | E | 619595 |
| 1601 – 1800 | 563 | 1690 | N | J | 2 | E | 619596 |
| 1601 – 1800 | 1000 | 1690 | N | J | 2 | E | 838345 |
| 1801 – 2000 | 1000 | 1890 | N | J | 2 | E | 794637 |
| 2001 – 2200 | 1000 | 2090 | N | J | 3 | E | 794638 |
| 2201 – 2400 | 1000 | 2290 | N | J | 3 | E | 794639 |

### Example

The highlighted T&T espagnolette can generally be used from a SRH of min. 280 mm [B]. With this opening type and resistance class, elements are only allowed to be constructed from an SRH of 430 mm [A] and above. The highlighted T&T espagnolette is in the specified range and can therefore be installed.

**INFO**

Components like the load transfer or pivot rest may also differ. The total weight given in the application range is what matters most.

**INFO**
**Resistance classes**

- The RC 1 N, RC 2, RC 2 N and RC 3 resistance classes refer to the entire system.
- The hardware combinations shown in the hardware overviews are recommendations.
- The hardware complies with the corresponding resistance classes in the required system tests.
- However, the resistance classes are only complied with if all of the other components in the system (e.g. profile system, reinforcement, glass, etc.) are also designed for this.
- Steel security locking components must generally be used in systems with a 9 mm hardware axis.

Profile-related frame components and general sets are listed in additional chapters.

Recommended handles can be found in the Roto Handles catalogue.

Determine the quantity of required hardware components with Roto Con Orders.

**INFO**
**Roto Con Orders**

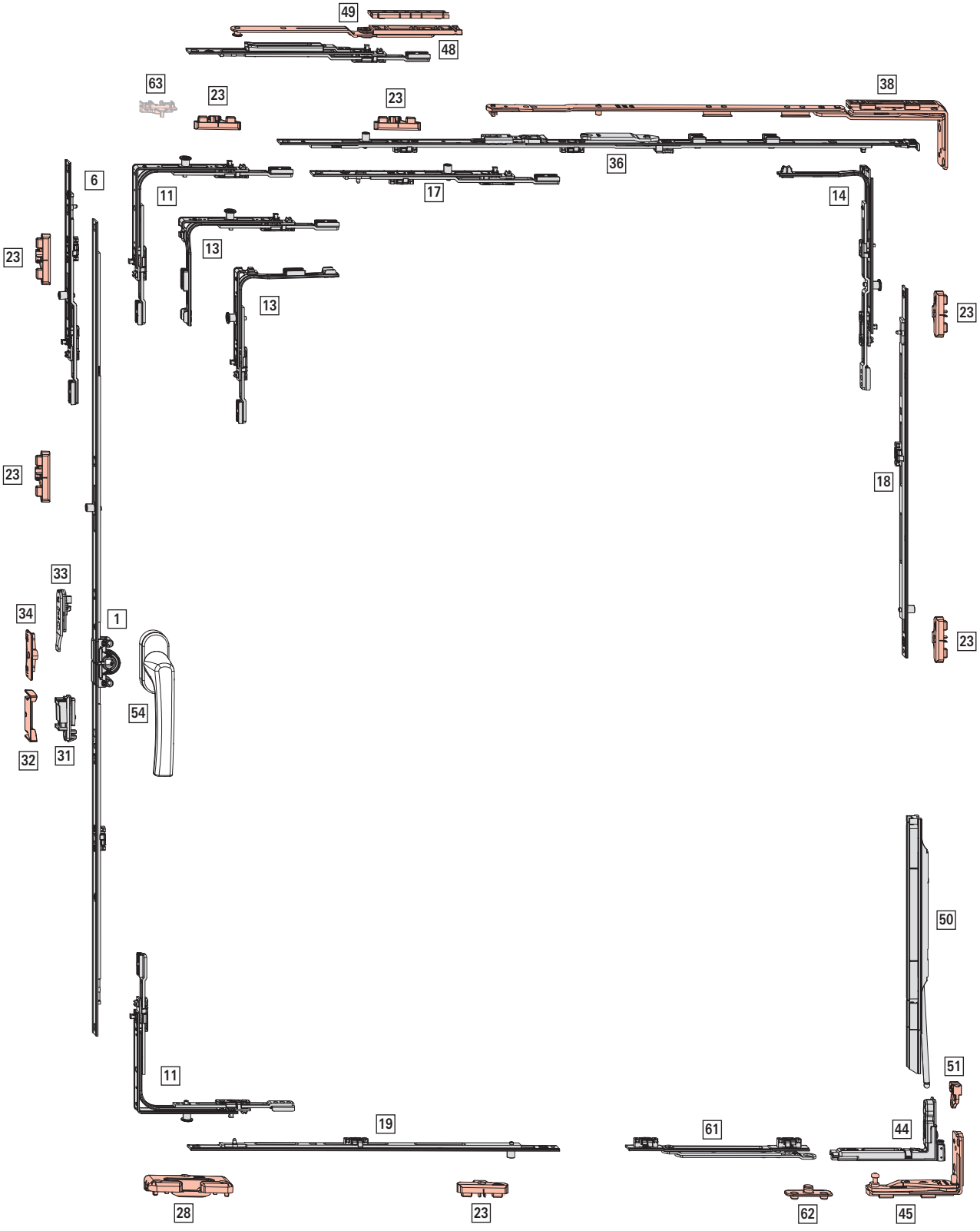
Efficient online hardware configurator for the custom configuration of individual window and door hardware components. All conventional shapes and opening types can be automatically configured quickly and easily. Individual parts lists, including application ranges and an exemplary hardware overview, can be ordered from your responsible sales representative.

**www.roto-frank.com**

# 4.1 T&T espagnolette, VT – fixed handle height

## 4.1.1 Tilt&Turn hardware

### 4.1.1.1 Basic security



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 340 – 1750 mm | **SRW**: 600 – 1750 mm |
| **SRH**: 285 – 3000 mm | **SRH**: 1000 – 3000 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

**INFO**
SRW 340 – 450 mm from SRH 371 mm
SRH 285 – 370 mm from SRW 451 mm

### [1] T&T espagnolette, VT – fixed handle height, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 280 – 570 | 120 | 460 | Y | N | – | – | 742199 |
| 511 – 710 | 170 | 600 | Y | Y | – | – | 795324 |
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | E | 619592 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | E | 619593 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | E | 619594 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | E | 619595 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | E | 619596 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | E | 838345 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | E | 794637 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 3 | E | 794638 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | E | 794639 |

### [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |
| 400 | Y | 1 | E | 280346 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | E | 450821 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |

### [11] Standard corner drive

| | | | № |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

### [13] Special short corner drive

| | | № |
|---|---|---|
| 1 | E | 260280 |
| 1 | P | 260282 |

For use with:
SRH < 371 mm
SRW < 451 mm

### [14] Sash stay corner drive

| | | № |
|---|---|---|
| 1 | P | 260286 |

**INFO**
With SRH 285 – 330 mm, crop the sash stay corner drive (to do so, extend the connecting rod fully).

### [17] Centre lock, multipart – standard, horizontal – top

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 1601 – 1750 | 200 KU | 1 | E | 450821 |

### [18] Multipart centre lock – standard, vertical

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

#### Without load transfer

| | | | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | P | 255280 |

#### With load transfer

| | | | | № |
|---|---|---|---|---|
| 1000 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |

| | | | | № |
|---|---|---|---|---|
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

## [19] Multipart centre lock – standard, horizontal

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

| | | | | | № |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| – | 801 – 850 | 200 | 1 | P | 255284 |
| 801 – 1000 | 851 – 1200 | 400 | 1 | E | 255285 |
| – | 1201 – 1400 | 600 | 1 | E | 255286 |
| – | 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| – | 1601 – 1750 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | E | 255280 |

## [23] Striker → *from page 192*

## [28] Tilt striker → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [34] Lifting mishandling device frame component → *from page 203*

## [36] Stay guide – basic security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [48] Additional stay arm (SRW ≥ 1401 mm)

| | | № |
|---|---|---|
| Frame and sash component | 200 | 255237 |

## [49] Packer → *from page 200*

## [50] Load transfer sash component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

## [51] Load transfer frame component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

## [54] Handle → CTL_1

## [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

### Alternatively

| | № |
|---|---|
| Turn restrictor 355 | 2037236 |

For use with:

SRW ≥ 600 mm

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

**[62] Turn restrictor frame component** → *from page 205*

### Optional

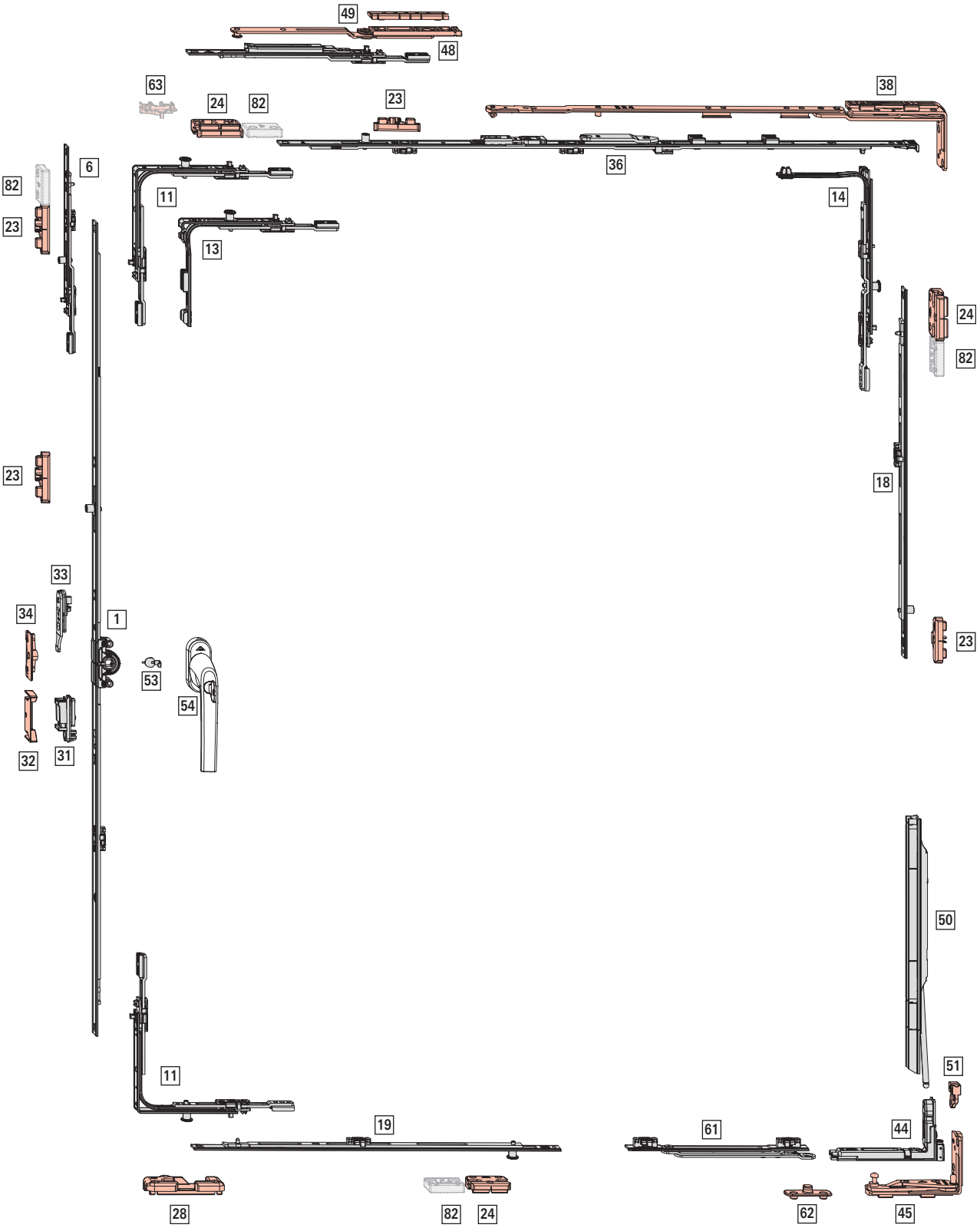
**[63] Night vent**, SRW ≥ 801 mm → *from page 206*

**INFO**
Only for use in conjunction with P or V cam.

**Arrestable brake stay** → CTL_105

**Sash lifter** → CTL_105

### 4.1.1.2 RC 1 N


49
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45

### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1600 mm | **SRW**: 600 – 1600 mm |
| **SRH**: 285 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

## [1] T&T espagnolette, VT – fixed handle height, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 280 – 570 | 120 | 460 | Y | N | – | – | 742199 |
| 511 – 710 | 170 | 600 | Y | Y | – | – | 795324 |
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | E | 619592 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | E | 619593 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | E | 619594 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | E | 619595 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | E | 619596 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | E | 838345 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | E | 794637 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 3 | E | 794638 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | E | 794639 |

## [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |
| 400 | Y | 1 | E | 280346 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | E | 450821 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |

## [11] Standard corner drive

| | | № |
|---|---|---|
| 1 | P | 260277 |

## [13] Special short corner drive

| | | № |
|---|---|---|
| 1 | P | 260282 |

For use with:

SRH ≤ 370 mm

## [14] Sash stay corner drive

| | | № |
|---|---|---|
| 1 | P | 260286 |

**INFO**
With SRH 285 – 330 mm, crop the sash stay corner drive (to do so, extend the connecting rod fully).

## [18] Multipart centre lock – standard, vertical

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

### Without load transfer

| | | | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255281 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

### With load transfer

| | | | | № |
|---|---|---|---|---|
| 1001 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |

## [19] Multipart centre lock – security, horizontal

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | P | 255284 |
| 400 | N | 1 | P | 255285 |
| 600 | N | 1 | P | 255286 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | | № |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| 450 – 650 | 650 – 850 | 200 | 1 | P | 255284 |
| 651 – 850 | 851 – 1050 | 400 | 1 | P | 255285 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | P | 255286 |
| – | 1251 – 1450 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| – | 1451 – 1600 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | P | 255285 |

## [23] Striker → *from page 192*

## [24] Security striker → *from page 194*

## [28] Tilt striker → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [34] Lifting mishandling device frame component → *from page 203*

## [36] Stay guide – basic security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [48] Additional stay arm (SRW ≥ 1401 mm)

| | | № |
|---|---|---|
| Frame and sash component | 200 | 255237 |

## [49] Packer → *from page 200*

## [50] Load transfer sash component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

## [51] Load transfer frame component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

## [53] Drilling protection

| | № |
|---|---|
| Drilling protection | 797819 |

## [54] Handle, lockable → CTL_1

## [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

## [62] Turn restrictor frame component → *from page 205*

### Optional

## [63] Night vent, SRW ≥ 801 mm → *from page 206*

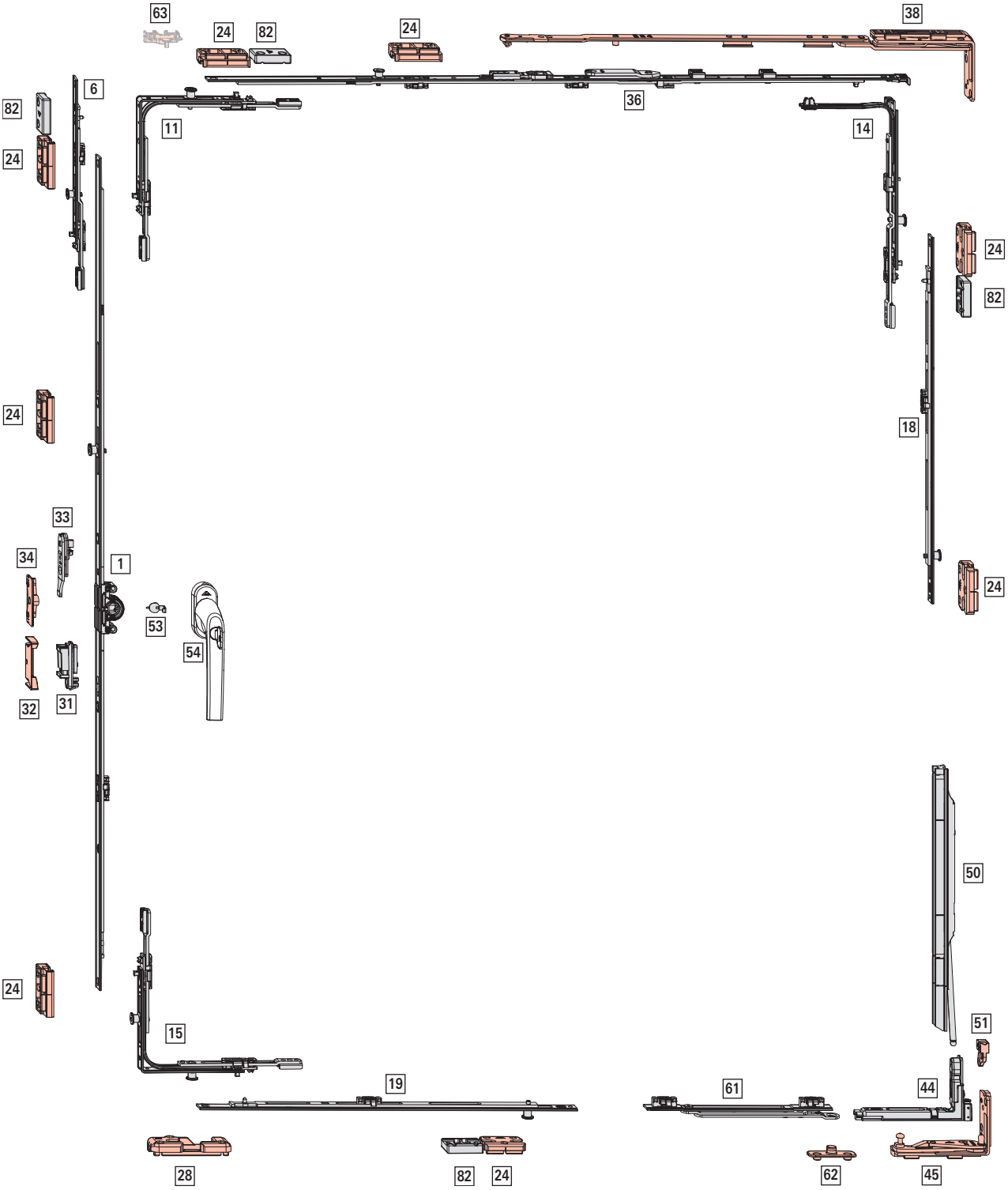
**INFO**
Only for use in conjunction with P or V cam.

## [82] Anti-jemmy device

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

**Sash lifter** → CTL_105

### 4.1.1.3 RC 2 / RC 2 N



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1400 mm | **SRW**: 650 – 1400 mm |
| **SRH**: 601 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

## [1] T&T espagnolette, VT – fixed handle height, backset 15 mm

| | | | | | | | Nº |
|---|---|---|---|---|---|---|---|
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | V | 626542 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | V | 626543 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | V | 626544 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | V | 626575 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | V | 626576 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | V | 838324 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | V | 794641 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 3 | V | 794642 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | V | 794643 |

## [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | Nº |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

Size-specific combinations:

| | | | | Nº |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | V | 337708 |
| 2601 – 2800 | 400 KU | 1 | V | 337710 |

## [11] Standard corner drive

| | | Nº |
|---|---|---|
| 1 | V | 260272 |

## [14] Sash stay corner drive

| | | Nº |
|---|---|---|
| 1 | V | 260284 |

## [15] Corner drive, standard (security)

| | | Nº |
|---|---|---|
| 2 | V | 260274 |

## [18] Multipart centre lock – security, vertical

| | | | | Nº |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without load transfer | With load transfer | | | | Nº |
|---|---|---|---|---|---|
| 601 – 650 | – | 200 | 1 | V | 296853 |
| 651 – 850 | 1000 – 1150 | 400 | 1 | V | 296854 |
| 851 – 1050 | 1151 – 1350 | 600 [2] | 1 | V | 296855 |
| 1051 – 1250 | 1351 – 1550 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1251 – 1450 | 1551 – 1750 | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 1451 – 1650 | 1751 – 1950 | 600 KU | 1 | V | 337711 |
| | | 600 [3] | 1 | V | 296855 |
| 1651 – 1850 | 1951 – 2150 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1851 – 2050 | 2151 – 2350 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2051 – 2250 | 2351 – 2550 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [4] | 1 | V | 296855 |
| 2251 – 2450 | 2551 – 2750 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 2451 – 2650 | 2751 – 2800 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2651 – 2800 | – | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [5] | 1 | V | 296855 |

## [19] Multipart centre lock – security, horizontal

| | | | | Nº |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | | | Nº |
|---|---|---|---|---|---|
| 450 – 650 | 650 – 850 | 200 | 1 | V | 296853 |
| 651 – 850 | 851 – 1050 | 400 | 1 | V | 296854 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | V | 296855 |
| – | 1251 – 1400 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |

[2] Without load transfer: crop CL by 15 mm up to SRH 861

[3] Without load transfer: crop CL by 15 mm up to SRH 1461

[4] Without load transfer: crop CL by 15 mm up to SRH 2061

[5] Without load transfer: crop CL by 15 mm up to SRH 2661

**[24] Security striker** → *from page 194*

**[28] Tilt striker** → *from page 185*

**[31] Bullet catch sash component** (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

**[32] Bullet-catch frame component** (optional SRH ≥ 1601 mm) → *from page 201*

**[33] Lifting mishandling device sash component**

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

**[34] Lifting mishandling device frame component** → *from page 203*

**[36] Stay guide – security**

| | | | # | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | V | 2005276 |
| 1001 – 1200 | 500 | 1090 | 1 | V | 2005277 |
| 1201 – 1400 | 500 | 1290 | 1 | V | 2005278 |

**[38] Stay arm** → *from page 174*

**[44] Corner hinge**

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

**[45] Pivot rest** → *from page 183*

**[50] Load transfer sash component** (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

**[51] Load transfer frame component** (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

**[53] Drilling protection**

| | № |
|---|---|
| Drilling protection | 797819 |

**[54] Handle**, lockable → CTL_1

**[61] Turn restrictor 195 sash component**

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 650 mm, mandatory for SRW > 1000 mm and when load transfer is used.

**[62] Turn restrictor frame component** → *from page 205*

**[82] Anti-jemmy device**

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

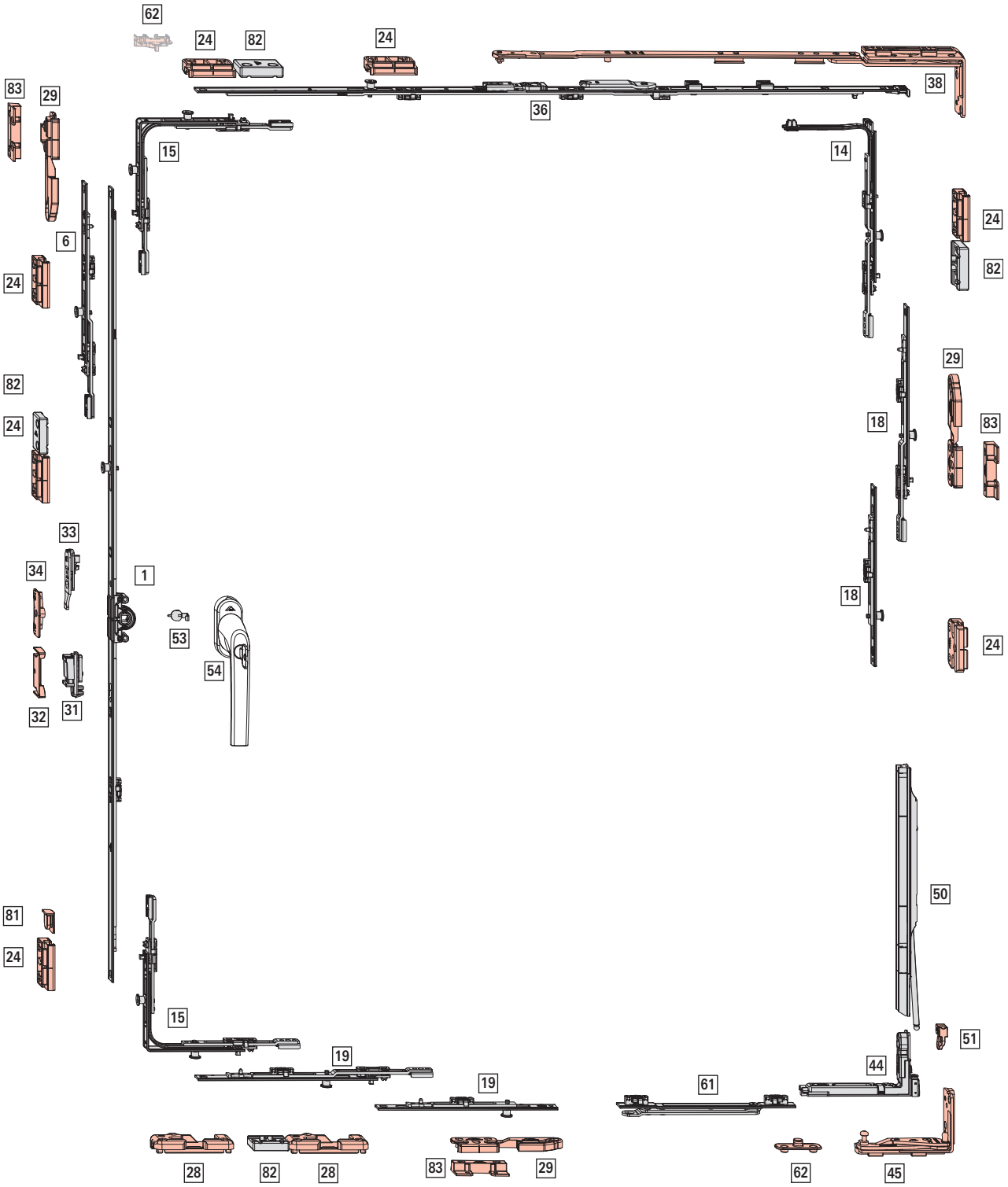
**Optional**

**[63] Night vent**, SRW ≥ 801 mm → *from page 206*

**INFO**
Only for use in conjunction with P or V cam.

**Sash lifter** → CTL_105

### 4.1.1.4 TiltSafe RC 2 / RC 2 N



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1400 mm | **SRW**: 650 – 1400 mm |
| **SRH**: 601 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

**INFO**
Only for hardware axis 13 and rebate depth ≥ 30 mm.

## [1] T&T espagnolette, VT – fixed handle height, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | V | 626542 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | V | 626543 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | V | 626544 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | V | 626575 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | V | 626576 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | V | 838324 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | V | 794641 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 3 | V | 794642 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | V | 794643 |

## [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | V | 337708 |
| 2601 – 2800 | 400 KU | 1 | V | 337710 |

## [14] Sash stay corner drive

| | | № |
|---|---|---|
| 1 | V | 260284 |

## [15] Corner drive, standard (security)

| | | № |
|---|---|---|
| 2 | V | 260274 |

## [18] Multipart centre lock – security, vertical

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 200 | Y | 1 | V | 337708 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without load transfer | With load transfer | | | | № |
|---|---|---|---|---|---|
| 601 – 650 | – | 200 | 1 | V | 296853 |
| 651 – 850 | 1000 – 1150 | 200 KU | 1 | V | 337708 |
| | | 200 | 1 | V | 296853 |
| 851 – 1050 | 1151 – 1350 | 200 KU | 1 | V | 337708 |
| | | 400 | 1 | V | 296854 |
| 1051 – 1250 | 1351 – 1550 | 200 KU | 1 | V | 337708 |
| | | 600 [6] | 1 | V | 296855 |
| 1251 – 1450 | 1551 – 1750 | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1451 – 1650 | 1751 – 1950 | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 1651 – 1850 | 1951 – 2150 | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [7] | 1 | V | 296855 |
| 1851 – 2050 | 2151 – 2350 | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 2051 – 2250 | 2351 – 2550 | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2251 – 2450 | 2551 – 2750 | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [8] | 1 | V | 296855 |
| 2451 – 2650 | 2751 – 2800 | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 2651 – 2800 | – | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |

## [19] Multipart centre lock – security, horizontal

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

[6] Without load transfer: crop CL by 15 mm up to SRH 1061

[7] Without load transfer: crop CL by 15 mm up to SRH 1661

[8] Without load transfer: crop CL by 15 mm up to SRH 2261

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | | | № |
|---|---|---|---|---|---|
| 450 – 650 | 650 – 850 | 200 | 1 | V | 296853 |
| 651 – 850 | 851 – 1050 | 200 KU | 1 | V | 337708 |
| | | 200 | 1 | V | 296853 |
| 851 – 1000 | 1051 – 1250 | 200 KU | 1 | V | 337708 |
| | | 200 KU | 1 | V | 337708 |
| | | 200 | 1 | V | 296853 |
| – | 1251 – 1400 | 200 KU | 1 | V | 337708 |
| | | 400 KU | 1 | V | 337710 |
| | | 200 | 1 | V | 296853 |

**[24] Security striker** → *from page 194*

**[28] Tilt striker** → *from page 185*

**[29] Security striker for tilt ventilation** → *from page 198*

**[31] Bullet catch sash component** (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

**[32] Bullet-catch frame component** (optional SRH ≥ 1601 mm) → *from page 201*

**[33] Lifting mishandling device sash component**

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

**[34] Lifting mishandling device frame component** → *from page 203*

**[36] Stay guide – security**

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | V | 2005276 |
| 1001 – 1200 | 500 | 1090 | 1 | V | 2005277 |
| 1201 – 1400 | 500 | 1290 | 1 | V | 2005278 |

**[38] Stay arm** → *from page 174*

**[44] Corner hinge**

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

**[45] Pivot rest** → *from page 183*

**[50] Load transfer sash component** (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

**[51] Load transfer frame component** (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

**[53] Drilling protection**

| | № |
|---|---|
| Drilling protection | 797819 |

**[54] Handle**, lockable → CTL_1

**[61] Turn restrictor 195 sash component**

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 650 mm, mandatory for SRW > 1000 mm and when load transfer is used.

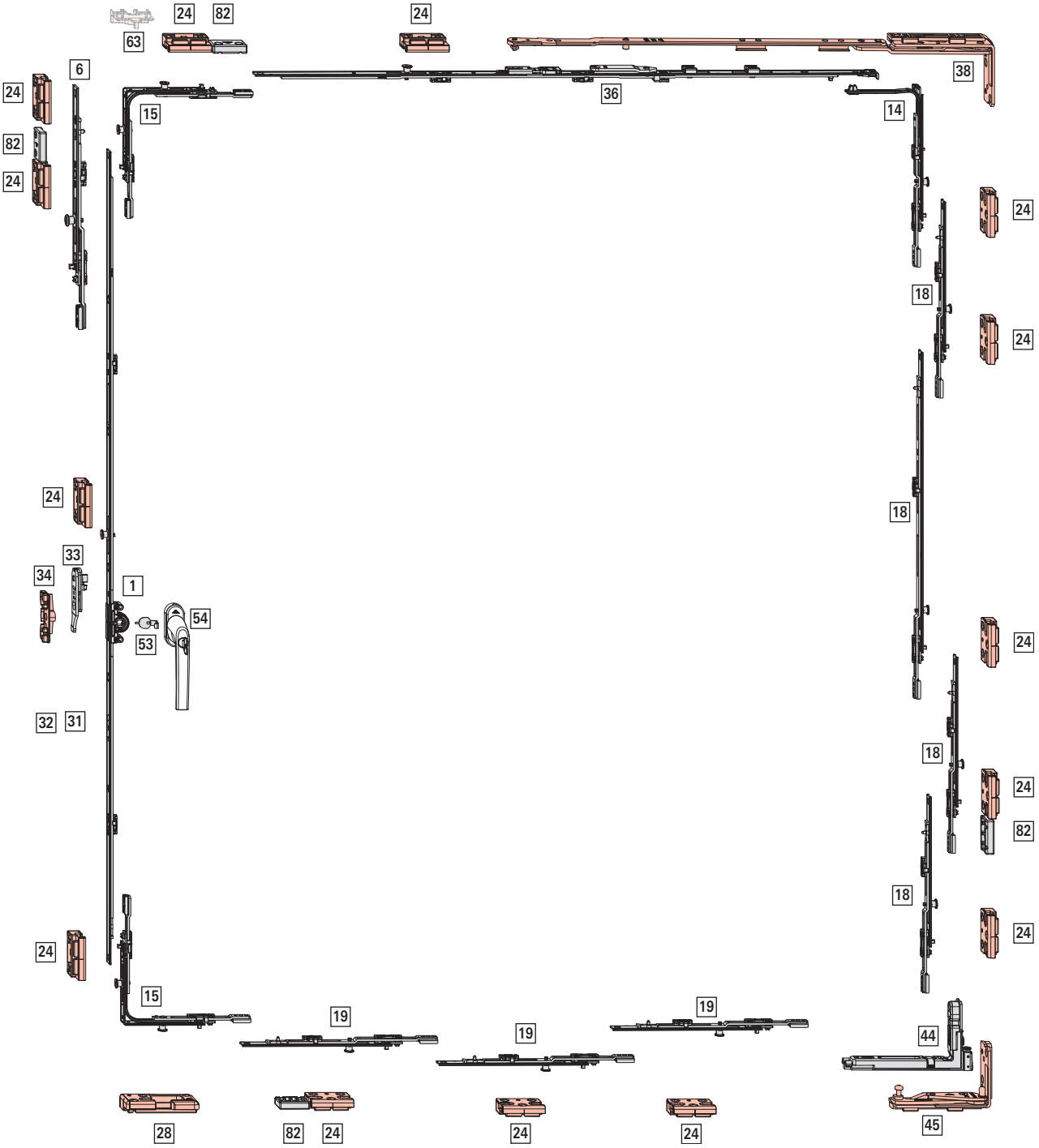
**[62] Turn restrictor frame component** → *from page 205*

**[82] Anti-jemmy device**

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

**[83] TiltSafe protective support** → *from page 198*

### 4.1.1.5 RC 3


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45

### Application range

**SRW**: 490 – 1000 mm

**SRH**: 601 – 2800 mm

**S.kg**: max. 100 kg

**[1] T&T espagnolette, VT – fixed handle height**, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | V | 626542 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | V | 626543 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | V | 626544 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | V | 626575 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | V | 626576 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | V | 838324 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | V | 794641 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 3 | V | 794642 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | V | 794643 |

**[6] Centre lock, multipart**, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | V | 337708 |
| 2601 – 2800 | 400 KU | 1 | V | 337710 |

**[14] Sash stay corner drive**

| | | № |
|---|---|---|
| 1 | V | 260284 |

**[15] Corner drive, standard (security)**

| | | № |
|---|---|---|
| 2 | V | 260274 |

**[18] Multipart centre lock – security, vertical**

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 601 – 740 | 200 KU | 1 | V | 337708 |
| 741 – 940 | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| 941 – 1140 | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| 1141 – 1340 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| 1341 – 1540 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| 1541 – 1740 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| 1741 – 1940 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| 1941 – 2140 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| 2141 – 2340 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| 2341 – 2540 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| 2541 – 2740 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| 2741 – 2800 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |

## [19] Multipart centre lock – security, horizontal

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 490 – 690 | 200 KU [9] | 1 | V | 337708 |
| 691 – 890 | 200 KU | 1 | V | 337708 |
| | 200 KU [10] | 1 | V | 337708 |
| 891 – 1000 | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| | 200 KU [11] | 1 | V | 337708 |

## [24] Security striker

## [28] Tilt striker

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [34] Lifting mishandling device frame component → *from page 203*

## [36] Stay guide – security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | V | 2005276 |

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [53] Drilling protection

| | № |
|---|---|
| Drilling protection | 797819 |

## [54] Handle, lockable → CTL_1

## [82] Anti-jemmy device

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

### Optional

## [63] Night vent, SRW ≥ 801 mm → *from page 206*

## Sash lifter → CTL_105

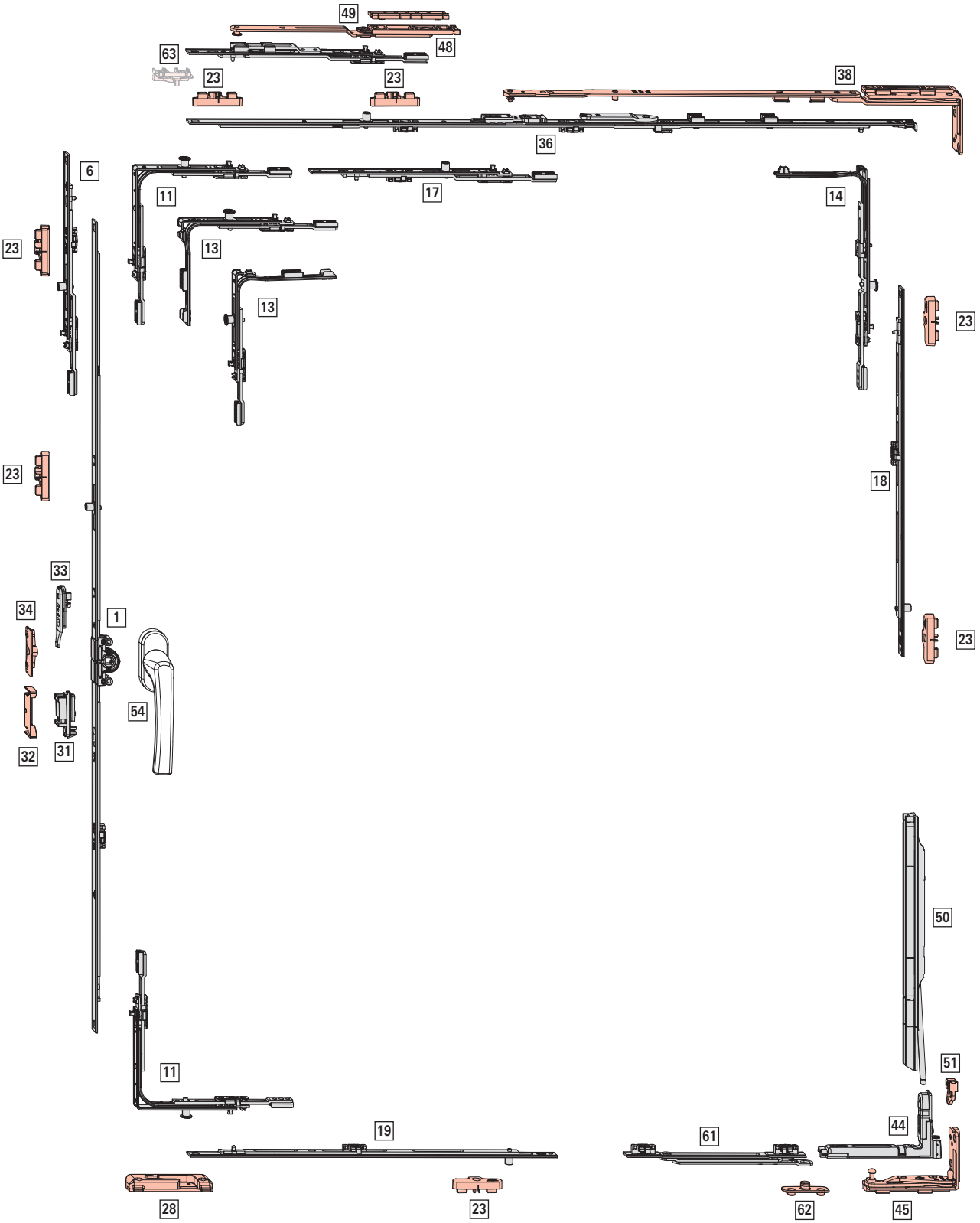
[9] Crop CL by 20 mm up to SRH 510

[10] Crop CL by 20 mm up to SRH 710

[11] Crop CL by 20 mm up to SRH 910

## 4.1.2 Tilt&Turn / TiltFirst hardware

### 4.1.2.1 Basic security



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 340 – 1750 mm | **SRW**: 600 – 1750 mm |
| **SRH**: 285 – 3000 mm | **SRH**: 1000 – 3000 mm |
| **S.kg**: max. 100 kg | **S.kg**: max. 150 kg |

**INFO**

SRW 340 – 450 mm from SRH 371 mm

SRH 285 – 370 mm from SRW 451 mm

### [1] T&T espagnolette, VT – fixed handle height, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 280 – 570 | 120 | 460 | Y | N | – | – | 742199 |
| 511 – 710 | 170 | 600 | Y | Y | – | – | 795324 |
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | E | 619592 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | E | 619593 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | E | 619594 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | E | 619595 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | E | 619596 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | E | 838345 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | E | 794637 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 3 | E | 794638 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | E | 794639 |

### [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |
| 400 | Y | 1 | E | 280346 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | E | 450821 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |

### [11] Standard corner drive

| | | | № |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

### [13] Special short corner drive

| | | | № |
|---|---|---|---|
| 1 | E | Top | 260280 |
| 1 | P | Top<br>Bottom | 260282 |

For use with:

SRH < 371 mm

SRW < 451 mm

### [14] Sash stay corner drive

| | | № |
|---|---|---|
| 1 | P | 260286 |

**INFO**

With SRH 285 – 330 mm, crop the sash stay corner drive (to do so, extend the connecting rod fully).

### [17] Centre lock, multipart – standard, horizontal – top

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 1601 – 1750 | 200 KU | 1 | E | 450821 |

### [18] Multipart centre lock – standard, vertical

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

#### Without load transfer

| | | | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | P | 255280 |

#### With load transfer

| | | | | № |
|---|---|---|---|---|
| 1000 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |

| | | | | № |
|---|---|---|---|---|
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

## [19] Multipart centre lock – standard, horizontal

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

| | | | | | № |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| – | 801 – 850 | 200 | 1 | P | 255284 |
| 801 – 1000 | 851 – 1200 | 400 | 1 | E | 255285 |
| – | 1201 – 1400 | 600 | 1 | E | 255286 |
| – | 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| – | 1601 – 1750 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | E | 255280 |

## [23] Striker → *from page 192*

## [28] Tilt striker TiltFirst → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [34] Lifting mishandling device frame component → *from page 203*

## [36] Stay guide – basic security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

## [38] Stay arm TiltFirst → *from page 174*

## [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [48] Additional stay arm TiltFirst (SRW ≥ 1401 mm)

| | № |
|---|---|
| Frame and sash component | 292022 |

## [49] Packer → *from page 200*

## [50] Load transfer sash component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

## [51] Load transfer frame component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

## [54] Handle, lockable → CTL_1

**INFO**
Use the lockable TiltFirst handle for child safe windows, see CTL_1.

**[61] Turn restrictor 195 sash component**

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**Alternatively**

| | № |
|---|---|
| Turn restrictor 355 | 2037236 |

For use with:

SRW ≥ 600 mm

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

**[62] Turn restrictor frame component** → *from page 205*

**Optional**

**[63] Night vent**, SRW ≥ 801 mm → *from page 206*

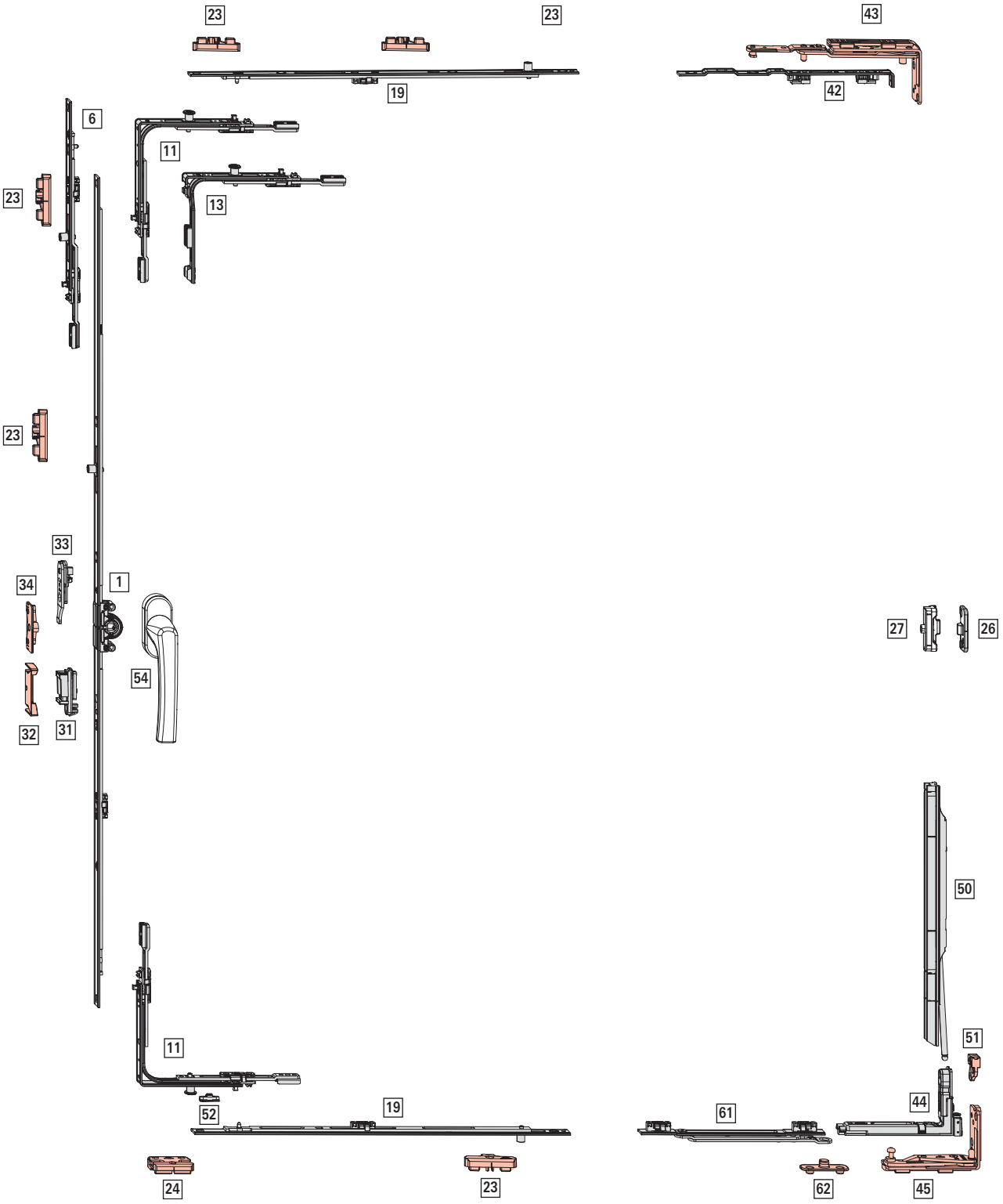
**INFO**
Only for use in conjunction with P or V cam.

**Arrestable brake stay** → CTL_105

**Sash lifter** → CTL_105

## 4.1.3 Turn-Only hardware

### 4.1.3.1 Basic security



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 370 – 1750 mm | **SRW**: 600 – 1750 mm |
| **SRH**: 285 – 300 mm | **SRH**: 1000 – 3000 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

## [1] T&T espagnolette, VT – fixed handle height, backset 15 mm

| | | | | | | | Nº |
|---|---|---|---|---|---|---|---|
| 280 – 570 | 120 | 460 | Y | N | – | – | 742199 |
| 511 – 710 | 170 | 600 | Y | Y | – | – | 795324 |
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | E | 619592 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | E | 619593 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | E | 619594 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | E | 619595 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | E | 619596 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | E | 838345 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | E | 794637 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 3 | E | 794638 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | E | 794639 |

## [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | Nº |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |
| 400 | Y | 1 | E | 280346 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | Nº |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | E | 450821 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |

## [11] Standard corner drive

| | | | Nº |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

## [13] Special short corner drive

| | | Nº |
|---|---|---|
| 1 | E | 260280 |
| 1 | P | 260282 |

For use with:

SRH < 371 mm

**INFO**
SRW 370 – 415 mm: For Turn-Only sashes, crop the top corner drive.

## [19] Multipart centre lock – standard, horizontal

| | | | | Nº |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | | | Nº |
|---|---|---|---|---|---|
| – | 801 – 850 | 200 | 1 | P | 255284 |
| 801 – 1200 | 851 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| 1601 – 1750 | 1601 – 1750 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | E | 255280 |

## [23] Striker → *from page 192*

## [24] Security striker → *from page 194*

## [26] Concealed centre closer frame component → CTL_105

## [27] Concealed centre closer sash component → CTL_105

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | Nº |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | Nº |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [34] Lifting mishandling device frame component → *from page 203*

## [42] Rebate stay guide

| | | Nº |
|---|---|---|
| For Turn-Only sashes | 220 / 15 | 2005701 |

## [43] Rebate stay arm → *from page 181*

## [44] Corner hinge

| | | Nº |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

**[45] Pivot rest** → *from page 183*

**[50] Load transfer sash component**
(SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

**[51] Load transfer frame component**
(SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

**[52] 90° travel restrictor**

| | № |
|---|---|
| Travel restrictor | 264603 |

**[54] Handle** → CTL_1

**[61] Turn restrictor 195 sash component**

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**Alternatively**

| | № |
|---|---|
| Turn restrictor 355 | 2037236 |

For use with:

SRW ≥ 600 mm

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

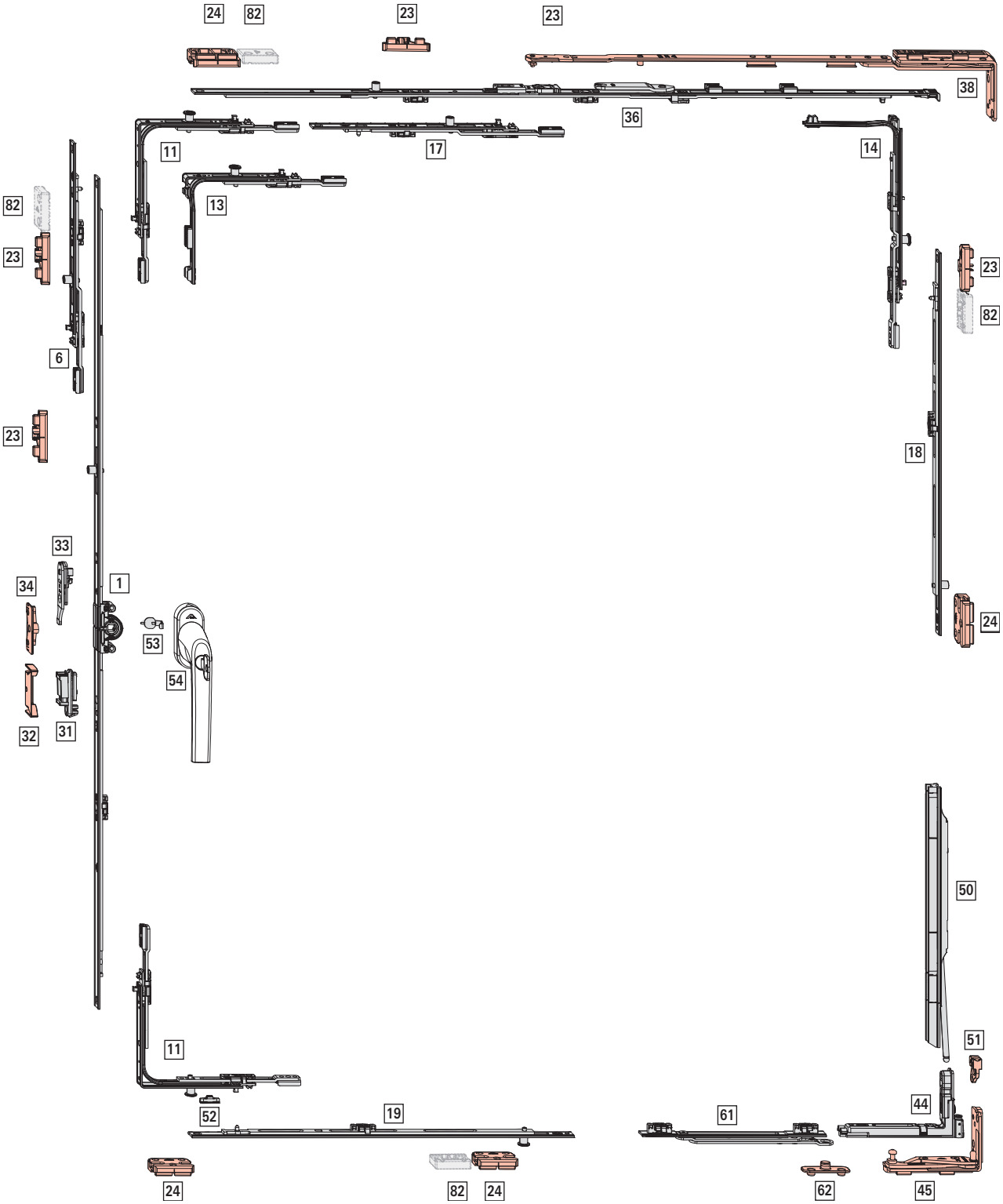
**[62] Turn restrictor frame component** → *from page 205*

**Optional**

**Arrestable brake stay** → CTL_105

**Sash lifter** → CTL_105

### 4.1.3.2 RC 1 N


24
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62
45

### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1600 mm | **SRW**: 600 – 1600 mm |
| **SRH**: 285 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

**[1] T&T espagnolette, VT – fixed handle height**, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 280 – 570 | 120 | 460 | Y | N | – | – | 742199 |
| 511 – 710 | 170 | 600 | Y | Y | – | – | 795324 |
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | E | 619592 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | E | 619593 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | E | 619594 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | E | 619595 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | E | 619596 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | E | 838345 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | E | 794637 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 2 | E | 795280 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 2 | E | 795282 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | E | 794639 |

**[6] Centre lock, multipart**, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | – | – | 308267 |
| 400 | Y | 1 | E | 280346 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | – | – | 308267 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |

**[11] Standard corner drive**

| | | № |
|---|---|---|
| 1 | P | 260277 |

**[13] Special short corner drive**

| | | № |
|---|---|---|
| 1 | P | 260282 |

For use with:

SRH ≤ 370 mm

**[14] Sash stay corner drive**

| | | № |
|---|---|---|
| 1 | P | 260286 |

**INFO**
With SRH 285 – 330 mm, crop the sash stay corner drive (to do so, extend the connecting rod fully).

**[17] Centre lock, multipart – standard, horizontal** – top

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 1401 – 1600 | 200 KU | 1 | E | 450821 |

**[18] Multipart centre lock – standard, vertical**

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

**Without load transfer**

| | | | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255281 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

**With load transfer**

| | | | | № |
|---|---|---|---|---|
| 1001 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

| | | | | Nº |
|---|---|---|---|---|
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |

## [19] Multipart centre lock – security, horizontal

| | | | | Nº |
|---|---|---|---|---|
| 200 | N | 1 | P | 255284 |
| 400 | N | 1 | P | 255285 |
| 600 | N | 1 | P | 255286 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | | |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | Nº |
| 450 – 650 | 650 – 850 | 200 | 1 | P | 255284 |
| 651 – 850 | 851 – 1050 | 400 | 1 | P | 255285 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | P | 255286 |
| – | 1251 – 1450 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| – | 1451 – 1600 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | P | 255285 |

## [23] Striker → *from page 192*

## [24] Security striker → *from page 194*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | Nº |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | Nº |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [34] Lifting mishandling device frame component → *from page 203*

## [36] Stay guide – basic security

| | | | | | Nº |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | Nº |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [50] Load transfer sash component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | Nº |
|---|---|
| max. 180 kg | 2005293 |

## [51] Load transfer frame component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | Nº |
|---|---|
| max. 180 kg | 2005292 |

## [52] 90° travel restrictor

| | Nº |
|---|---|
| Travel restrictor | 264603 |

## [53] Drilling protection

| | Nº |
|---|---|
| Drilling protection | 797819 |

## [54] Handle, lockable → CTL_1

## [61] Turn restrictor 195 sash component

| | Nº |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

## [62] Turn restrictor frame component → *from page 205*

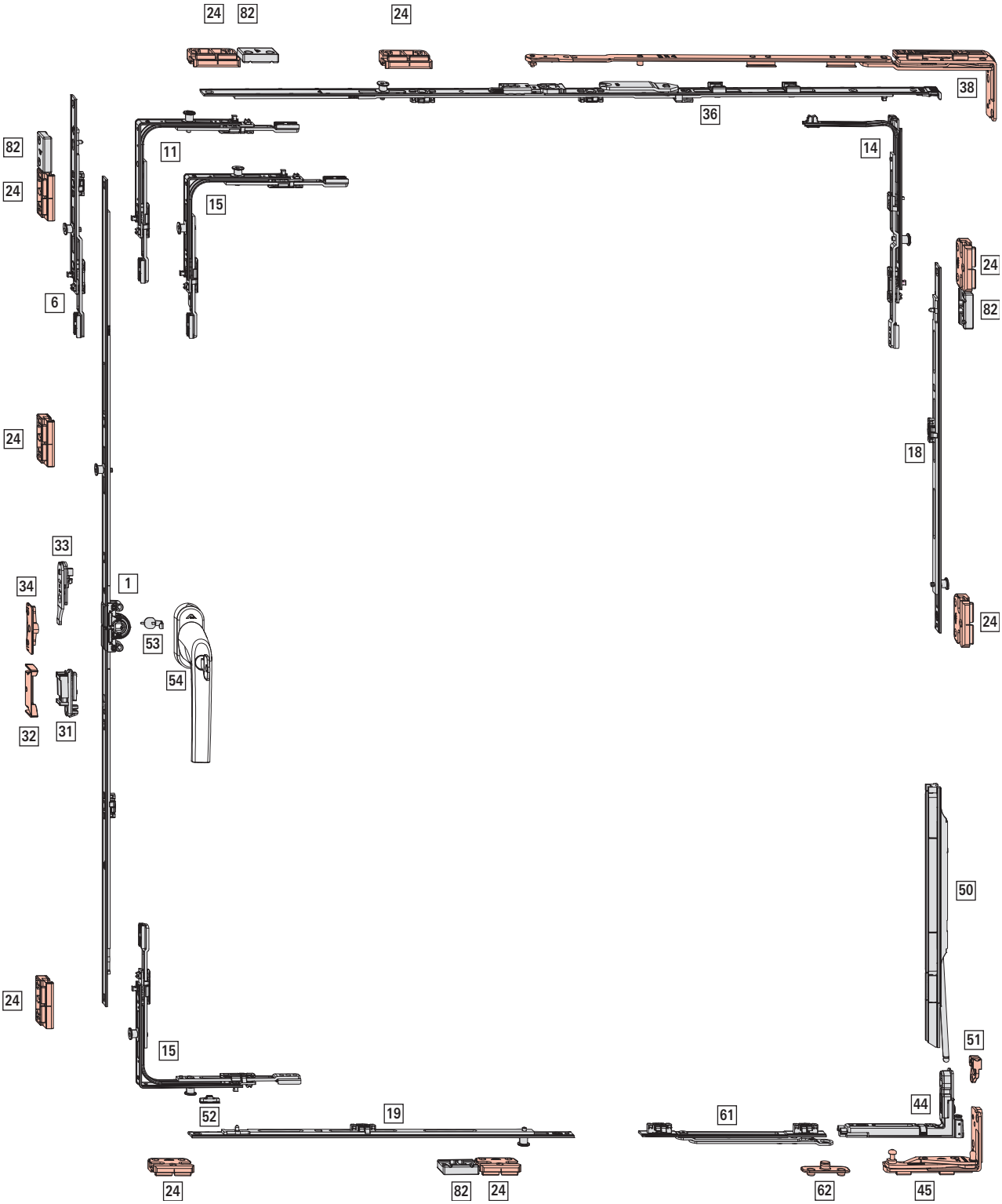
**Optional**

## [82] Anti-jemmy device

| | | Nº |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

## Sash lifter → CTL_105

## 4.1.3.3 RC 2 / RC 2 N



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1400 mm | **SRW**: 650 – 1400 mm |
| **SRH**: 601 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

## [1] T&T espagnolette, VT – fixed handle height, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | V | 626542 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | V | 626543 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | V | 626544 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | V | 626575 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | V | 626576 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | V | 838324 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | V | 794641 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 3 | V | 794642 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | V | 794643 |

## [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | V | 337708 |
| 2601 – 2800 | 400 KU | 1 | V | 337710 |

## [11] Standard corner drive

| | | № |
|---|---|---|
| 1 | V | 260272 |

## [14] Sash stay corner drive

| | | № |
|---|---|---|
| 1 | V | 260284 |

## [15] Corner drive, standard (security)

| | | № |
|---|---|---|
| 2 | V | 260274 |

## [18] Multipart centre lock – security, vertical

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without load transfer | With load transfer | | | | № |
|---|---|---|---|---|---|
| 601 – 650 | – | 200 | 1 | V | 296853 |
| 651 – 850 | 1000 – 1150 | 400 | 1 | V | 296854 |
| 851 – 1050 | 1151 – 1350 | 600 [12] | 1 | V | 296855 |
| 1051 – 1250 | 1351 – 1550 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1251 – 1450 | 1551 – 1750 | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 1451 – 1650 | 1751 – 1950 | 600 KU | 1 | V | 337711 |
| | | 600 [13] | 1 | V | 296855 |
| 1651 – 1850 | 1951 – 2150 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1851 – 2050 | 2151 – 2350 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2051 – 2250 | 2351 – 2550 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [14] | 1 | V | 296855 |
| 2251 – 2450 | 2551 – 2750 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 2451 – 2650 | 2751 – 2800 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2651 – 2800 | – | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [15] | 1 | V | 296855 |

## [19] Multipart centre lock – security, horizontal

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | | | № |
|---|---|---|---|---|---|
| 450 – 650 | 650 – 850 | 200 | 1 | V | 296853 |
| 651 – 850 | 851 – 1050 | 400 | 1 | V | 296854 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | V | 296855 |
| – | 1251 – 1400 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |

[12] Without load transfer: crop CL by 15 mm up to SRH 861

[13] Without load transfer: crop CL by 15 mm up to SRH 1461

[14] Without load transfer: crop CL by 15 mm up to SRH 2061

[15] Without load transfer: crop CL by 15 mm up to SRH 2661

## [24] Security striker → *from page 194*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [34] Lifting mishandling device frame component → *from page 203*

## [36] Stay guide – security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | V | 2005276 |
| 1001 – 1200 | 500 | 1090 | 1 | V | 2005277 |
| 1201 – 1400 | 500 | 1290 | 1 | V | 2005278 |

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [50] Load transfer sash component (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

## [51] Load transfer frame component (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

## [52] 90° travel restrictor

| | № |
|---|---|
| Travel restrictor | 264603 |

## [53] Drilling protection

| | № |
|---|---|
| Drilling protection | 797819 |

## [54] Handle, lockable → CTL_1

## [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 650 mm, mandatory for SRW > 1000 mm and when load transfer is used.

## [62] Turn restrictor frame component → *from page 205*

## [82] Anti-jemmy device

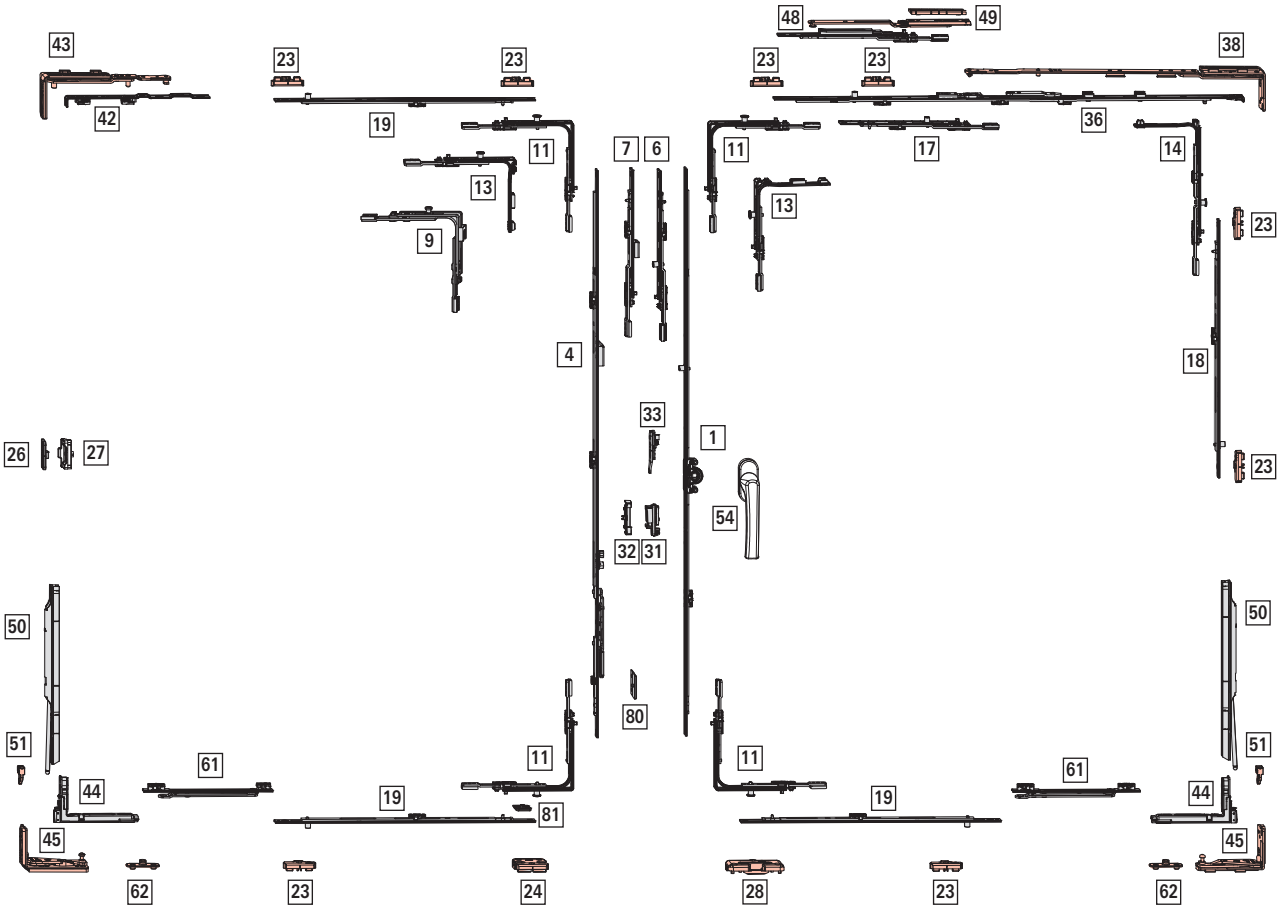
| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

### Optional

**Sash lifter** → CTL_105

## 4.1.4 Floating-mullion hardware

### 4.1.4.1 Standard – basic security



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 370 – 1750 mm | **SRW**: 600 – 1750 mm |
| **SRH**: 430 – 3000 mm | **SRH**: 1000 – 3000 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

**[1] T&T espagnolette, VT – fixed handle height**, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 280 – 570 | 120 | 460 | Y | N | – | – | 742199 |
| 511 – 710 | 170 | 600 | Y | Y | – | – | 795324 |
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | E | 619592 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | E | 619593 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | E | 619594 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | E | 619595 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | E | 619596 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | E | 838345 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | E | 794637 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 3 | E | 794638 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | E | 794639 |

**[4] Lever-operated espagnolette, VT – fixed handle height**, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 280 – 555 | 156 | 445 | – | Y | N | 2003815 |
| 431 – 710 | 195 | 600 | – | Y | Y | 795462 |
| 601 – 800 | 300 | 690 | – | N | Y | 763116 |
| 801 – 1000 | 490 | 890 | 1 | N | Y | 763117 |
| 1001 – 1200 | 335 | 1090 | 1 | N | Y | 763118 |
| 1201 – 1400 | 335 | 1290 | 1 | N | Y | 763119 |
| 1401 – 1600 | 335 | 1490 | 2 | N | Y | 763120 |
| 1601 – 1800 | 335 | 1690 | 2 | N | Y | 795474 |
| 1801 – 2000 | 640 | 1890 | 2 | N | Y | 795476 |
| 2001 – 2200 | 640 | 2090 | 3 | N | Y | 795478 |
| 2201 – 2400 | 640 | 2290 | 3 | N | Y | 795480 |

Lever-operated espagnolette 2003815 must be secured with a fastening plate 255211.

**[6] Centre lock, multipart**, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |
| 400 | Y | 1 | E | 280346 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | E | 450821 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |

**[7] Centre lock, multipart – floating mullion**, (SRH ≥ 2401 mm)

| | | | № |
|---|---|---|---|
| 200 | Y | 1 | 450822 |
| 400 | Y | 1 | 280345 |
| 600 | Y | 1 | 280331 |

Size-specific combinations:

| | | | № |
|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | 450822 |
| 2601 – 2800 | 400 KU | 1 | 280345 |
| 2801 – 3000 | 600 KU | 1 | 280331 |

**[9] Floating-mullion corner drive with security striker**

| | | | | | № |
|---|---|---|---|---|---|
| Second opening sash | Top | 1 | 1 | V | 313538 |

**INFO**
SRW 370 – 415 mm: crop the corner drive at the top.

For use on the second opening sash:

if the SRW on the first opening sash is ≤ 450 mm

**[11] Standard corner drive**

| | | | № |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

**[13] Special short corner drive**

| | | № |
|---|---|---|
| 1 | E | 260280 |
| 1 | P | 260282 |

For use with (→ *5.1.1.1 "Possible combinations" from page 166*):

First opening sash: SRW 370 – 450 mm

Second opening sash: SRH 430 – 510 mm

**[14] Sash stay corner drive**

| | | № |
|---|---|---|
| 1 | P | 260286 |

**INFO**
With SRH 285 – 330 mm, crop the sash stay corner drive (to do so, extend the connecting rod fully).

**[17] Centre lock, multipart – standard, horizontal** – top

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |

Size-specific combinations:

| | | # | | № |
|---|---|---|---|---|
| 1601 – 1750 | 200 KU | 1 | E | 450821 |

## [18] Multipart centre lock – standard, vertical

| | | # | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

### Without load transfer

| | | # | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | P | 255280 |

### With load transfer

| | | # | | № |
|---|---|---|---|---|
| 1000 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

## [19] Multipart centre lock – standard, horizontal

| | | # | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | # | | № |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| – | 801 – 850 | 200 | 1 | P | 255284 |
| 801 – 1200 | 851 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| 1601 – 1750 | 1601 – 1750 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | E | 255280 |

## [23] Striker → *from page 192*

## [24] Security striker → *from page 194*

**INFO**

Lever-operated espagnolette, standard: A left second opening sash with asymmetrical strikers always requires right strikers horizontally at the bottom – and vice versa.

## [26] Concealed centre closer frame component → CTL_105

## [27] Concealed centre closer sash component → CTL_105

## [28] Tilt striker → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

### [36] Stay guide – basic security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

### [38] Stay arm → *from page 174*

### [42] Rebate stay guide

| | | № |
|---|---|---|
| For Turn-Only sashes | 220 / 15 | 2005701 |

### [43] Rebate stay arm → *from page 181*

### [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

### [45] Pivot rest → *from page 183*

### [48] Additional stay arm (SRW ≥ 1401 mm)

| | | № |
|---|---|---|
| Frame and sash component | 200 | 255237 |

### [49] Packer → *from page 200*

### [50] Load transfer sash component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

### [51] Load transfer frame component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

### [54] Handle → CTL_1

### [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**Alternatively**

| | № |
|---|---|
| Turn restrictor 355 | 2037236 |

For use with:

SRW ≥ 600 mm

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

### [62] Turn restrictor frame component → *from page 205*

### [80] Fastening plate

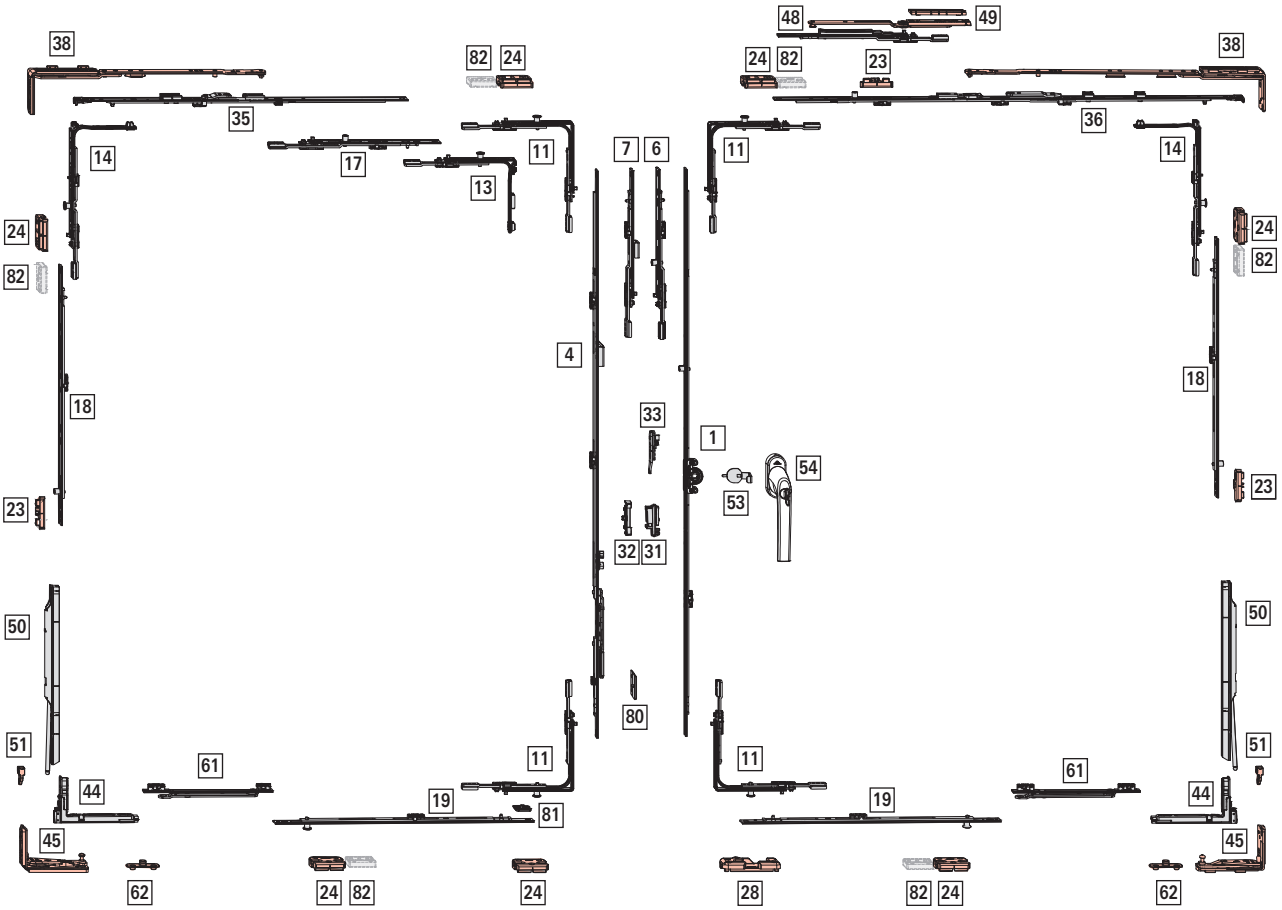
Can only be used in combination with lever-operated espagnolette 2003815.

| | № |
|---|---|
| Fastening plate with cam | 255211 |

### [81] Run-up block

The run-up block depends on the striker used.

### 4.1.4.2 Standard – RC 1 N



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1600 mm | **SRW**: 600 – 1600 mm |
| **SRH**: 430 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

**[1] T&T espagnolette, VT – fixed handle height**, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 280 – 570 | 120 | 460 | Y | N | – | – | 742199 |
| 511 – 710 | 170 | 600 | Y | Y | – | – | 795324 |
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | E | 619592 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | E | 619593 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | E | 619594 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | E | 619595 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | E | 619596 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | E | 838345 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | E | 794637 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 3 | E | 794638 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | E | 794639 |

**[4] Lever-operated espagnolette, VT – fixed handle height**, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 280 – 555 | 156 | 445 | – | Y | N | 2003815 |
| 431 – 710 | 195 | 600 | – | Y | Y | 795462 |
| 601 – 800 | 300 | 690 | – | N | Y | 763116 |
| 801 – 1000 | 490 | 890 | 1 | N | Y | 763117 |
| 1001 – 1200 | 335 | 1090 | 1 | N | Y | 763118 |
| 1201 – 1400 | 335 | 1290 | 1 | N | Y | 763119 |
| 1401 – 1600 | 335 | 1490 | 2 | N | Y | 763120 |
| 1601 – 1800 | 335 | 1690 | 2 | N | Y | 795474 |
| 1801 – 2000 | 640 | 1890 | 2 | N | Y | 795476 |
| 2001 – 2200 | 640 | 2090 | 3 | N | Y | 795478 |
| 2201 – 2400 | 640 | 2290 | 3 | N | Y | 795480 |

Lever-operated espagnolette 2003815 must be secured with a fastening plate 255211.

**[6] Centre lock, multipart**, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |
| 400 | Y | 1 | E | 280346 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | E | 450821 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |

**[7] Centre lock, multipart – floating mullion**, (SRH ≥ 2401 mm)

| | | | № |
|---|---|---|---|
| 200 | Y | 1 | 450822 |
| 400 | Y | 1 | 280345 |

Size-specific combinations:

| | | | № |
|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | 450822 |
| 2601 – 2800 | 400 KU | 1 | 280345 |

**[11] Standard corner drive**

| | | № |
|---|---|---|
| 1 | P | 260277 |

**[13] Special short corner drive**

| | | № |
|---|---|---|
| 1 | P | 260282 |

For use with (→ *5.1.1.1 "Possible combinations" from page 166*):

Second opening sash: SRH ≤ 510 mm

**[14] Sash stay corner drive**

| | | № |
|---|---|---|
| 1 | P | 260286 |

**[17] Centre lock, multipart – standard, horizontal** – top, Turn-Only sash

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |
| 400 | Y | 1 | E | 280346 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 711 – 910 | 200 KU | 1 | E | 450821 |
| 911 – 1110 | 400 KU | 1 | E | 280346 |
| 1111 – 1310 | 600 KU | 1 | E | 255282 |
| 1311 – 1510 | 600 KU | 1 | E | 255282 |
| | 200 KU | 1 | E | 450821 |
| 1511 – 1600 | 600 KU | 1 | E | 255282 |
| | 400 KU | 1 | E | 280346 |

**[18] Multipart centre lock – standard, vertical**

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

**Without load transfer**

| | | | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255281 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |

| | | | | |
|---|---|---|---|---|
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

### With load transfer

| | | | | |
|---|---|---|---|---|
| 1001 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |

## [19] Multipart centre lock – standard, horizontal

| | | | | |
|---|---|---|---|---|
| 200 | N | 1 | P | 255284 |
| 400 | N | 1 | P | 255285 |
| 600 | N | 1 | P | 255286 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | | |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| 450 – 650 | 651 – 850 | 200 | 1 | P | 255284 |
| 651 – 850 | 851 – 1050 | 400 | 1 | P | 255285 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | P | 255286 |
| – | 1251 – 1450 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| – | 1451 – 1600 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | P | 255285 |

## [23] Striker → *from page 192*

## [24] Security striker → *from page 194*

**INFO**
Lever-operated espagnolette, standard: A left second opening sash with asymmetrical strikers always requires right strikers horizontally at the bottom – and vice versa.

## [28] Tilt striker → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [35] Turn-Only sash stay guide – basic security

| | | | |
|---|---|---|---|
| 411 – 600 | 250 | 490 | 2005279 |
| 511 – 710 | 250 | 600 | 2005280 |

## [36] Stay guide – basic security

| | | | | | |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [48] Additional stay arm (SRW ≥ 1401 mm)

| | | |
|---|---|---|
| Frame and sash component | 200 | 255237 |

**[49] Packer** → *from page 200*

**[50] Load transfer sash component**
(SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

**[51] Load transfer frame component**
(SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

**[53] Drilling protection**

| | № |
|---|---|
| Drilling protection | 797819 |

**[54] Handle**, lockable → CTL_1

**[61] Turn restrictor 195 sash component**

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

**[62] Turn restrictor frame component** → *from page 205*

**[80] Fastening plate**

| | № |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with lever-operated espagnolette 2003815.

**[81] Run-up block**

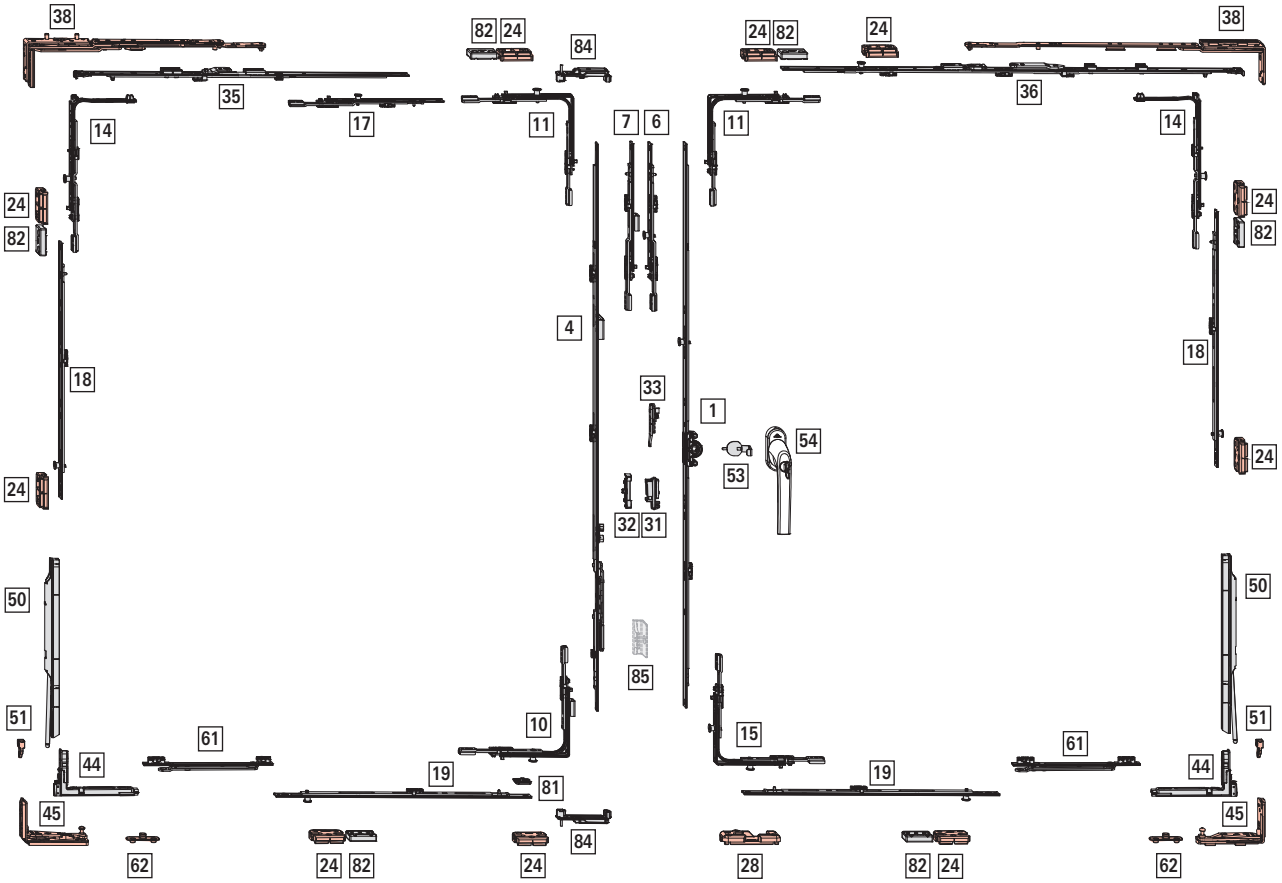
The run-up block depends on the striker used.

### Optional

**[82] Anti-jemmy device**

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

### 4.1.4.3 Standard – RC 2 / RC 2 N



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1400 mm | **SRW**: 650 – 1400 mm |
| **SRH**: 601 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

## [1] T&T espagnolette, VT – fixed handle height, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | V | 626542 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | V | 626543 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | V | 626544 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | V | 626575 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | V | 626576 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | V | 838324 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | V | 794641 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 3 | V | 794642 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | V | 794643 |

## [4] Lever-operated espagnolette, VT – fixed handle height, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 601 – 800 | 300 | 690 | – | N | Y | 763116 |
| 801 – 1000 | 490 | 890 | 1 | N | Y | 763117 |
| 1001 – 1200 | 335 | 1090 | 1 | N | Y | 763118 |
| 1201 – 1400 | 335 | 1290 | 1 | N | Y | 763119 |
| 1401 – 1600 | 335 | 1490 | 2 | N | Y | 763120 |
| 1601 – 1800 | 335 | 1690 | 2 | N | Y | 795474 |
| 1801 – 2000 | 640 | 1890 | 2 | N | Y | 795476 |
| 2001 – 2200 | 640 | 2090 | 3 | N | Y | 795478 |
| 2201 – 2400 | 640 | 2290 | 3 | N | Y | 795480 |

## [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | V | 337708 |
| 2601 – 2800 | 400 KU | 1 | V | 337710 |

## [7] Centre lock, multipart – floating mullion, (SRH ≥ 2401 mm)

| | | | № |
|---|---|---|---|
| 200 | Y | 1 | 450822 |
| 400 | Y | 1 | 280345 |

Size-specific combinations:

| | | | № |
|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | 450822 |
| 2601 – 2800 | 400 KU | 1 | 280345 |

## [10] Floating mullion corner drive

| | | | | | № |
|---|---|---|---|---|---|
| Second opening sash | Bottom | 1 | 1 | V | 367227 |

## [11] Standard corner drive

| | | № |
|---|---|---|
| 1 | V | 260272 |

## [14] Sash stay corner drive

| | | № |
|---|---|---|
| 1 | V | 260284 |

## [15] Corner drive, standard (security)

| | | № |
|---|---|---|
| 2 | V | 260274 |

## [17] Centre lock, multipart – security, horizontal – top, Turn-Only sash

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 711 – 910 | 200 KU | 1 | V | 337708 |
| 911 – 1110 | 400 KU | 1 | V | 337710 |
| 1111 – 1310 | 600 KU | 1 | V | 337711 |
| 1311 – 1400 | 600 KU | 1 | V | 337711 |
| | 200 KU | 1 | V | 337708 |

## [18] Multipart centre lock – security, vertical

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| | | | | | № |
|---|---|---|---|---|---|
| Without load transfer | With load transfer | | | | |
| 601 – 650 | – | 200 | 1 | V | 296853 |
| 651 – 850 | 1000 – 1150 | 400 | 1 | V | 296854 |
| 851 – 1050 | 1151 – 1350 | 600 [16] | 1 | V | 296855 |
| 1051 – 1250 | 1351 – 1550 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1251 – 1450 | 1551 – 1750 | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 1451 – 1650 | 1751 – 1950 | 600 KU | 1 | V | 337711 |
| | | 600 [17] | 1 | V | 296855 |

[16] Without load transfer: crop CL by 15 mm up to SRH 861

[17] Without load transfer: crop CL by 15 mm up to SRH 1461

| Without load transfer | With load transfer | | | | № |
|---|---|---|---|---|---|
| 1651 – 1850 | 1951 – 2150 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1851 – 2050 | 2151 – 2350 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2051 – 2250 | 2351 – 2550 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [18] | 1 | V | 296855 |
| 2251 – 2450 | 2551 – 2750 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 2451 – 2650 | 2751 – 2800 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2651 – 2800 | – | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [19] | 1 | V | 296855 |

## [19] Multipart centre lock – security, horizontal

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | | | № |
|---|---|---|---|---|---|
| 450 – 650 | 650 – 850 | 200 | 1 | V | 296853 |
| 651 – 850 | 851 – 1050 | 400 | 1 | V | 296854 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | V | 296855 |
| – | 1251 – 1400 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |

## [24] Security striker → *from page 194*

**INFO**
Lever-operated espagnolette, standard: A left second opening sash with asymmetrical strikers always requires right strikers horizontally at the bottom – and vice versa.

## [28] Tilt striker → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [35] Turn-Only sash stay guide – basic security

| | | | № |
|---|---|---|---|
| 411 – 600 | 250 | 490 | 2005279 |
| 511 – 710 | 250 | 600 | 2005280 |

## [36] Stay guide – security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | V | 2005276 |
| 1001 – 1200 | 500 | 1090 | 1 | V | 2005277 |
| 1201 – 1400 | 500 | 1290 | 1 | V | 2005278 |

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [50] Load transfer sash component (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

## [51] Load transfer frame component (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

## [53] Drilling protection

| | № |
|---|---|
| Drilling protection | 797819 |

[18] Without load transfer: crop CL by 15 mm up to SRH 2061

[19] Without load transfer: crop CL by 15 mm up to SRH 2661

**[54] Handle**, lockable → CTL_1

**[61] Turn restrictor 195 sash component**

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 650 mm, mandatory for SRW > 1000 mm and when load transfer is used.

**[62] Turn restrictor frame component** → *from page 205*

**[81] Run-up block**→ CTL_105
The run-up block depends on the striker used.

**[82] Anti-jemmy device**

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

**[84] Safety device for floating-mullion sashes**

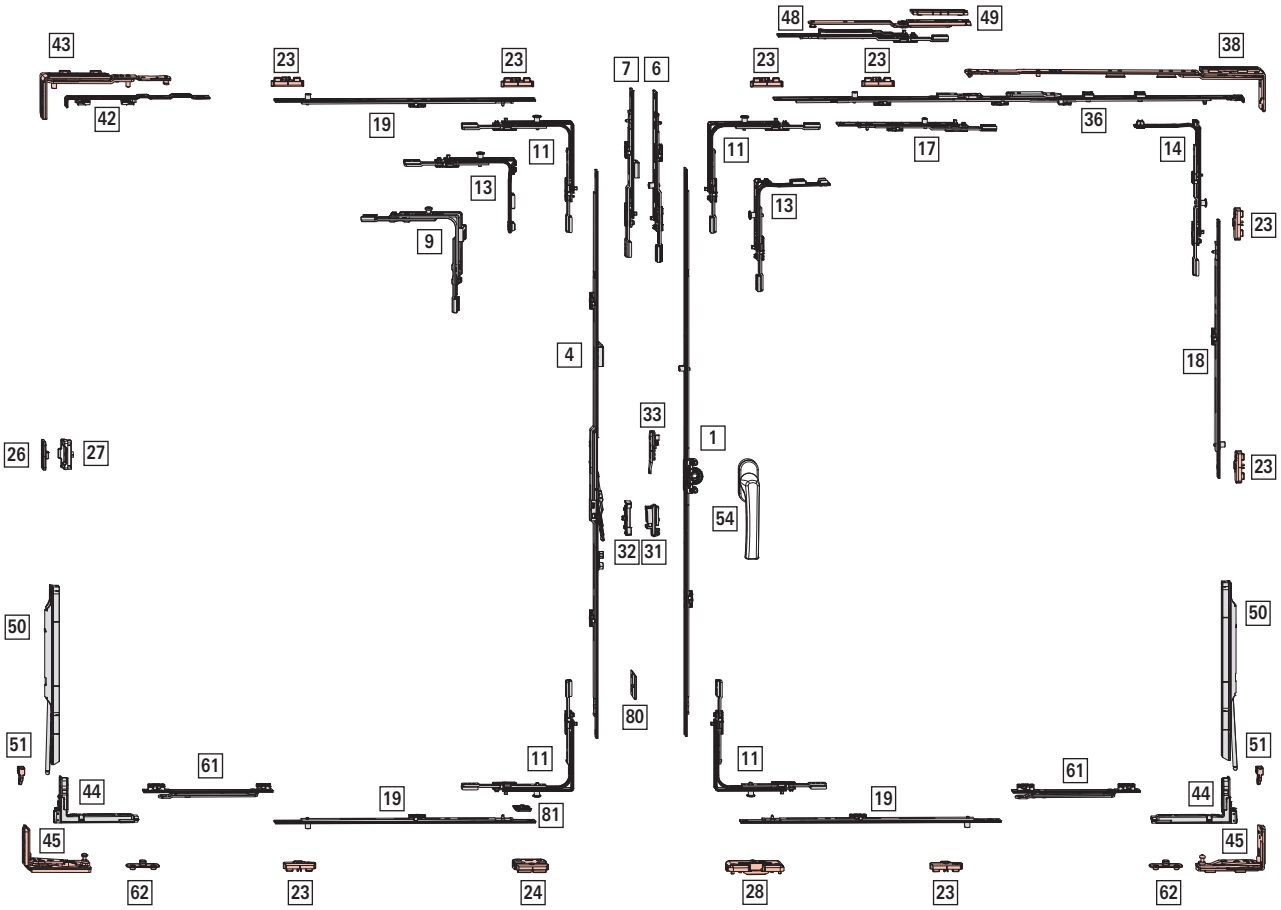
| | № |
|---|---|
| Retaining element for floating-mullion sash | 552392 |

**Optional**

**[85] Retainer clasp**

| | № |
|---|---|
| Retainer clasp for lever-operated espagnolette, standard | 314203 |

### 4.1.4.4 Plus – basic security



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 370 – 1750 mm | **SRW**: 600 – 1750 mm |
| **SRH**: 430 – 3000 mm | **SRH**: 1000 – 3000 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

#### [1] T&T espagnolette, VT – fixed handle height, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 280 – 570 | 120 | 460 | Y | N | – | – | 742199 |
| 511 – 710 | 170 | 600 | Y | Y | – | – | 795324 |
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | E | 619592 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | E | 619593 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | E | 619594 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | E | 619595 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | E | 619596 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | E | 838345 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | E | 794637 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 3 | E | 794638 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | E | 794639 |

#### [4] Lever-operated espagnolette Plus – VT, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 431 – 710 | 144 | 600 | Y | N | – | Y | 2007106 |
| 601 – 800 | 234 | 690 | Y | N | – | – | 2007116 |
| 801 – 1000 | 496 | 890 | Y | N | 1 | – | 2007117 |
| 1001 – 1200 | 496 | 1090 | Y | N | 1 | – | 2007118 |
| 1201 – 1400 | 546 | 1290 | Y | N | 1 | – | 2007119 |
| 1401 – 1600 | 546 | 1490 | Y | N | 2 | – | 2007120 |
| 1601 – 1800 | 546 | 1690 | Y | Y | 2 | – | 2007121 |
| 1801 – 2000 | 546 | 1890 | Y | Y | 2 | – | 2007122 |
| 2001 – 2200 | 546 | 2090 | Y | Y | 3 | – | 2007123 |
| 2201 – 2400 | 546 | 2290 | Y | Y | 3 | – | 2007124 |

#### [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |
| 400 | Y | 1 | E | 280346 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | E | 450821 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |

#### [7] Centre lock, multipart – floating mullion, (SRH ≥ 2401 mm)

| | | | № |
|---|---|---|---|
| 200 | Y | 1 | 450822 |
| 400 | Y | 1 | 280345 |
| 600 | Y | 1 | 280331 |

Size-specific combinations:

| | | | № |
|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | 450822 |
| 2601 – 2800 | 400 KU | 1 | 280345 |
| 2801 – 3000 | 600 KU | 1 | 280331 |

#### [9] Floating-mullion corner drive with security striker

| | | | | | № |
|---|---|---|---|---|---|
| Second opening sash | Top | 1 | 1 | V | 313538 |

**INFO**
SRW 370 – 415 mm: crop the corner drive at the top.

For use on the second opening sash:

if the SRW on the first opening sash is ≤ 450 mm

#### [11] Standard corner drive

| | | | № |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

#### [13] Special short corner drive

| | | № |
|---|---|---|
| 1 | E | 260280 |
| 1 | P | 260282 |

For use with (→ *5.2.1.1 "Possible combinations" from page 170*):

First opening sash: SRW 370 – 450 mm

Second opening sash: SRH 430 – 510 mm

#### [14] Sash stay corner drive

| | | № |
|---|---|---|
| 1 | P | 260286 |

#### [17] Centre lock, multipart – standard, horizontal – top

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 1601 – 1750 | 200 KU | 1 | E | 450821 |

## [18] Multipart centre lock – standard, vertical

| | | # | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

### Without load transfer

| | | # | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | P | 255280 |

### With load transfer

| | | # | | № |
|---|---|---|---|---|
| 1000 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

## [19] Multipart centre lock – standard, horizontal

| | | # | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

| | | | # | | № |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| – | 801 – 850 | 200 | 1 | P | 255284 |
| 801 – 1200 | 851 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| 1601 – 1750 | 1601 – 1750 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | E | 255280 |

## [23] Striker → *from page 192*

## [24] Security striker → *from page 194*

## [26] Concealed centre closer frame component → CTL_105

## [27] Concealed centre closer sash component → CTL_105

## [28] Tilt striker → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

### [36] Stay guide – basic security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

### [38] Stay arm → *from page 174*

### [42] Rebate stay guide

| | | № |
|---|---|---|
| For Turn-Only sashes | 220 / 15 | 2005701 |

### [43] Rebate stay arm → *from page 181*

### [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

### [45] Pivot rest → *from page 183*

### [48] Additional stay arm (SRW ≥ 1401 mm)

| | | № |
|---|---|---|
| Frame and sash component | 200 | 255237 |

### [49] Packer → *from page 200*

### [50] Load transfer sash component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

### [51] Load transfer frame component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

### [54] Handle → CTL_1

### [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**Alternatively**

| | № |
|---|---|
| Turn restrictor 355 | 2037236 |

For use with:

SRW ≥ 600 mm

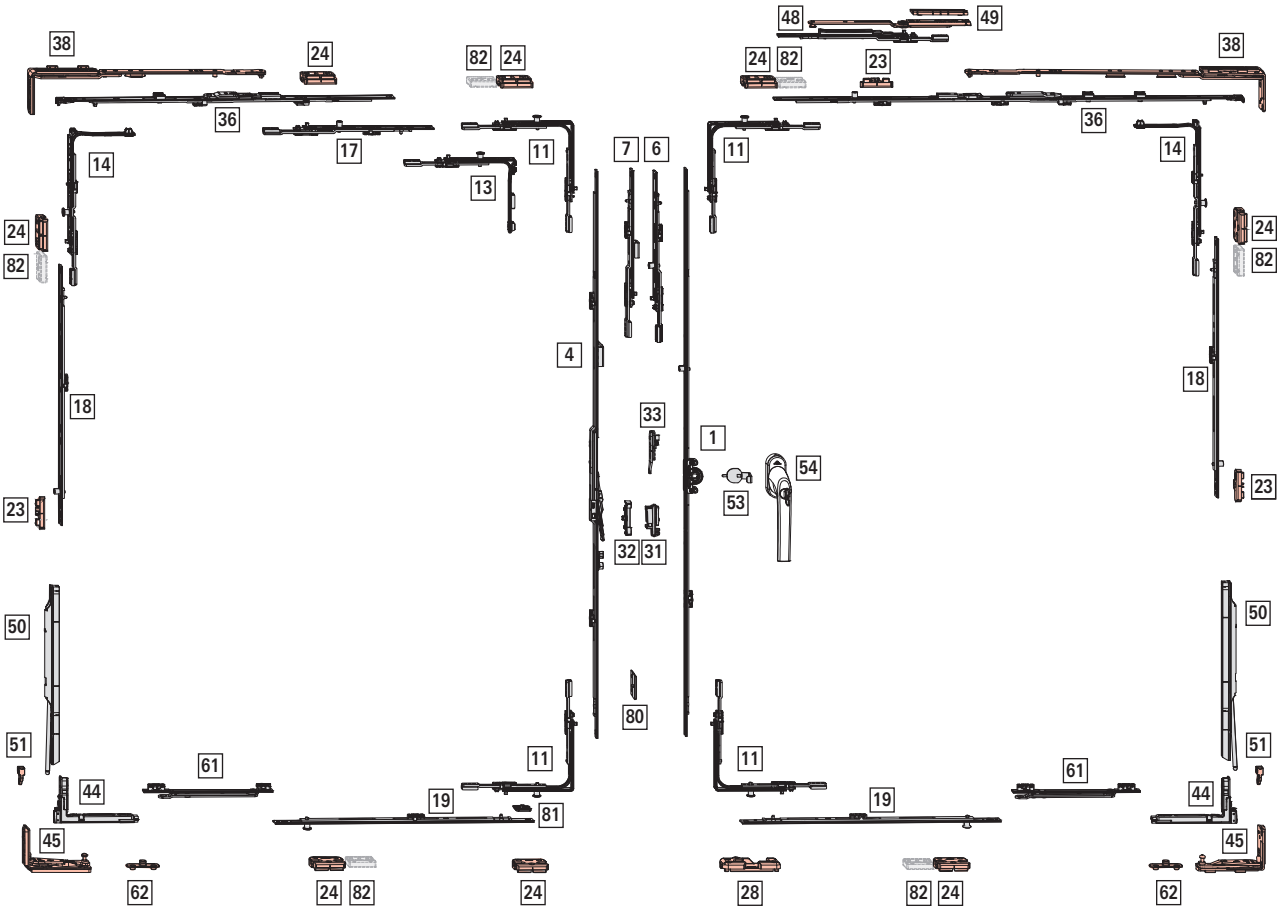
**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

### [62] Turn restrictor frame component → *from page 205*

### [81] Run-up block

The run-up block depends on the striker used.

### 4.1.4.5 Plus – RC 1 N



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1600 mm | **SRW**: 600 – 1600 mm |
| **SRH**: 430 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

**[1] T&T espagnolette, VT – fixed handle height**, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 280 – 570 | 120 | 460 | Y | N | – | – | 742199 |
| 511 – 710 | 170 | 600 | Y | Y | – | – | 795324 |
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | E | 619592 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | E | 619593 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | E | 619594 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | E | 619595 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | E | 619596 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | E | 838345 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | E | 794637 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 3 | E | 794638 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | E | 794639 |

**[4] Lever-operated espagnolette Plus – VT**, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 431 – 710 | 144 | 600 | Y | N | – | Y | 2007106 |
| 601 – 800 | 234 | 690 | Y | N | – | – | 2007116 |
| 801 – 1000 | 496 | 890 | Y | N | 1 | – | 2007117 |
| 1001 – 1200 | 496 | 1090 | Y | N | 1 | – | 2007118 |
| 1201 – 1400 | 546 | 1290 | Y | N | 1 | – | 2007119 |
| 1401 – 1600 | 546 | 1490 | Y | N | 2 | – | 2007120 |
| 1601 – 1800 | 546 | 1690 | Y | Y | 2 | – | 2007121 |
| 1801 – 2000 | 546 | 1890 | Y | Y | 2 | – | 2007122 |
| 2001 – 2200 | 546 | 2090 | Y | Y | 3 | – | 2007123 |
| 2201 – 2400 | 546 | 2290 | Y | Y | 3 | – | 2007124 |

**[6] Centre lock, multipart**, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |
| 400 | Y | 1 | E | 280346 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | E | 450821 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |

**[7] Centre lock, multipart – floating mullion**, (SRH ≥ 2401 mm)

| | | | № |
|---|---|---|---|
| 200 | Y | 1 | 450822 |
| 400 | Y | 1 | 280345 |

Size-specific combinations:

| | | | № |
|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | 450822 |
| 2601 – 2800 | 400 KU | 1 | 280345 |

**[11] Standard corner drive**

| | | № |
|---|---|---|
| 1 | P | 260277 |

**[13] Special short corner drive**

| | | № |
|---|---|---|
| 1 | P | 260282 |

For use with → *5.1.1.1 "Possible combinations" from page 166*.

Second opening sash: SRH ≤ 510 mm

**[14] Sash stay corner drive**

| | | № |
|---|---|---|
| 1 | P | 260286 |

**[17] Centre lock, multipart – standard, horizontal** – top, Turn-Only sash

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 1401 – 1600 | 200 KU | 1 | E | 308267 |

**[18] Multipart centre lock – standard, vertical**

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

**Without load transfer**

| | | | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255281 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

### With load transfer

| | | | | № |
|---|---|---|---|---|
| 1001 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |

### [19] Multipart centre lock – security, horizontal

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | P | 255284 |
| 400 | N | 1 | P | 255285 |
| 600 | N | 1 | P | 255286 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | | № |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| 450 – 650 | 650 – 850 | 200 | 1 | P | 255284 |
| 651 – 850 | 851 – 1050 | 400 | 1 | P | 255285 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | P | 255286 |
| – | 1251 – 1450 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| – | 1451 – 1600 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | P | 255285 |

### [23] Striker → *from page 192*

### [24] Security striker → *from page 194*

### [28] Tilt striker → *from page 185*

### [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

### [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

### [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

### [36] Stay guide – basic security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

### [38] Stay arm → *from page 174*

### [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

### [45] Pivot rest → *from page 183*

### [48] Additional stay arm (SRW ≥ 1401 mm)

| | | № |
|---|---|---|
| Frame and sash component | 200 | 255237 |

### [49] Packer → *from page 200*

### [50] Load transfer sash component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

### [51] Load transfer frame component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

### [53] Drilling protection

| | № |
|---|---|
| Drilling protection | 797819 |

### [54] Handle, lockable → CTL_1

### [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

## INFO

Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

**[62] Turn restrictor frame component** → *from page 205*

**[81] Run-up block**

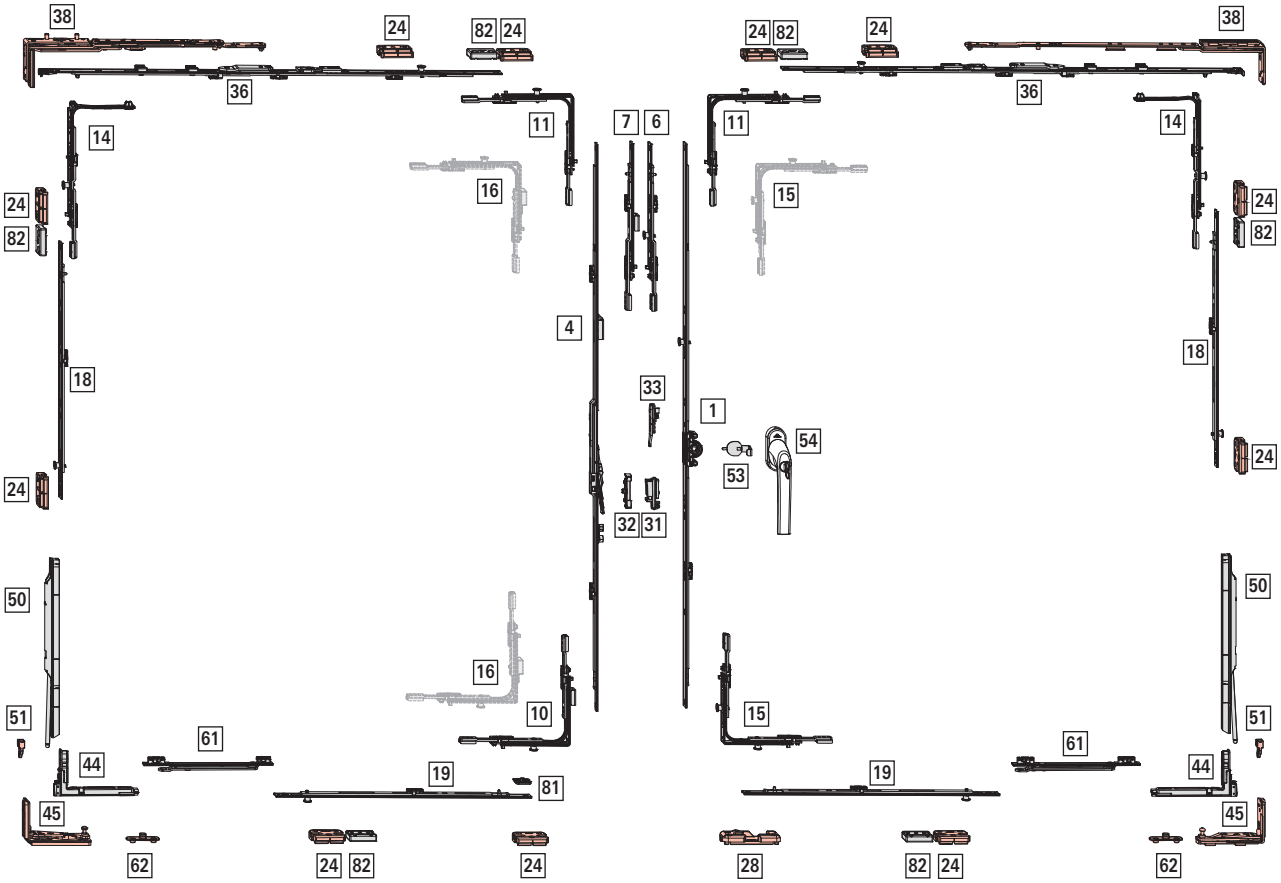
The run-up block depends on the striker used.

**Optional**

**[82] Anti-jemmy device**

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

### 4.1.4.6 Plus – RC 2 / RC 2 N



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1400 mm | **SRW**: 650 – 1400 mm |
| **SRH**: 601 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

## [1] T&T espagnolette, VT – fixed handle height, backset 15 mm

| | | | | | | | № |
|---|---|---|---|---|---|---|---|
| 601 – 800 | 263 | 690 | N | Y | – | – | 619591 |
| 801 – 1000 | 413 | 890 | N | Y | 1 | V | 626542 |
| 1001 – 1200 | 513 | 1090 | N | Y | 1 | V | 626543 |
| 1201 – 1400 | 563 | 1290 | N | Y | 1 | V | 626544 |
| 1401 – 1600 | 563 | 1490 | N | Y | 2 | V | 626575 |
| 1601 – 1800 | 563 | 1690 | N | Y | 2 | V | 626576 |
| 1601 – 1800 | 1000 | 1690 | N | Y | 2 | V | 838324 |
| 1801 – 2000 | 1000 | 1890 | N | Y | 2 | V | 794641 |
| 2001 – 2200 | 1000 | 2090 | N | Y | 3 | V | 794642 |
| 2201 – 2400 | 1000 | 2290 | N | Y | 3 | V | 794643 |

## [4] Lever-operated espagnolette Plus – VT, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 601 – 800 | 234 | 690 | Y | N | – | 2007116 |
| 801 – 1000 | 496 | 890 | Y | N | 1 | 2007117 |
| 1001 – 1200 | 496 | 1090 | Y | N | 1 | 2007118 |
| 1201 – 1400 | 546 | 1290 | Y | N | 1 | 2007119 |
| 1401 – 1600 | 546 | 1490 | Y | N | 2 | 2007120 |
| 1601 – 1800 | 546 | 1690 | Y | Y | 2 | 2007121 |
| 1801 – 2000 | 546 | 1890 | Y | Y | 2 | 2007122 |
| 2001 – 2200 | 546 | 2090 | Y | Y | 3 | 2007123 |
| 2201 – 2400 | 546 | 2290 | Y | Y | 3 | 2007124 |

## [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | V | 337708 |
| 2601 – 2800 | 400 KU | 1 | V | 337710 |

## [7] Centre lock, multipart – floating mullion, (SRH ≥ 2401 mm)

| | | | № |
|---|---|---|---|
| 200 | Y | 1 | 450822 |
| 400 | Y | 1 | 280345 |

Size-specific combinations:

| | | | № |
|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | 450822 |
| 2601 – 2800 | 400 KU | 1 | 280345 |

## [10] Floating mullion corner drive

| | | | | | № |
|---|---|---|---|---|---|
| Second opening sash | Bottom | 1 | 1 | V | 367227 |

## [11] Standard corner drive

| | | № |
|---|---|---|
| 1 | V | 260272 |

## [14] Sash stay corner drive

| | | № |
|---|---|---|
| 1 | V | 260284 |

## [15] Corner drive, standard (security)

| | | № |
|---|---|---|
| 2 | V | 260274 |

## [18] Multipart centre lock – security, vertical

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| | | | | | № |
|---|---|---|---|---|---|
| Without load transfer | With load transfer | | | | |
| 601 – 650 | – | 200 | 1 | V | 296853 |
| 651 – 850 | 1000 – 1150 | 400 | 1 | V | 296854 |
| 851 – 1050 | 1151 – 1350 | 600 [20] | 1 | V | 296855 |
| 1051 – 1250 | 1351 – 1550 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1251 – 1450 | 1551 – 1750 | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 1451 – 1650 | 1751 – 1950 | 600 KU | 1 | V | 337711 |
| | | 600 [21] | 1 | V | 296855 |
| 1651 – 1850 | 1951 – 2150 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1851 – 2050 | 2151 – 2350 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2051 – 2250 | 2351 – 2550 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [22] | 1 | V | 296855 |

[20] Without load transfer: crop CL by 15 mm up to SRH 861

[21] Without load transfer: crop CL by 15 mm up to SRH 1461

[22] Without load transfer: crop CL by 15 mm up to SRH 2061

| Without load transfer | With load transfer | | | | Nº |
|---|---|---|---|---|---|
| 2251 – 2450 | 2551 – 2750 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 2451 – 2650 | 2751 – 2800 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2651 – 2800 | – | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [23] | 1 | V | 296855 |

## [19] Multipart centre lock – security, horizontal

| | | | | Nº |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | | | Nº |
|---|---|---|---|---|---|
| 450 – 650 | 650 – 850 | 200 | 1 | V | 296853 |
| 651 – 850 | 851 – 1050 | 400 | 1 | V | 296854 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | V | 296855 |
| – | 1251 – 1400 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |

## [24] Security striker → *from page 194*

## [28] Tilt striker → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | Nº |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | Nº |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [36] Stay guide – security

| | | | | | Nº |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | V | 2005276 |
| 1001 – 1200 | 500 | 1090 | 1 | V | 2005277 |
| 1201 – 1400 | 500 | 1290 | 1 | V | 2005278 |

[23] Without load transfer: crop CL by 15 mm up to SRH 2661

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | Nº |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [50] Load transfer sash component (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | Nº |
|---|---|
| max. 180 kg | 2005293 |

## [51] Load transfer frame component (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | Nº |
|---|---|
| max. 180 kg | 2005292 |

## [53] Drilling protection

| | Nº |
|---|---|
| Drilling protection | 797819 |

## [54] Handle, lockable → CTL_1

## [61] Turn restrictor 195 sash component

| | Nº |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 650 mm, mandatory for SRW > 1000 mm and when load transfer is used.

## [62] Turn restrictor frame component → *from page 205*

## [81] Run-up block

The run-up block depends on the striker used.

## [82] Anti-jemmy device

| | | Nº |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

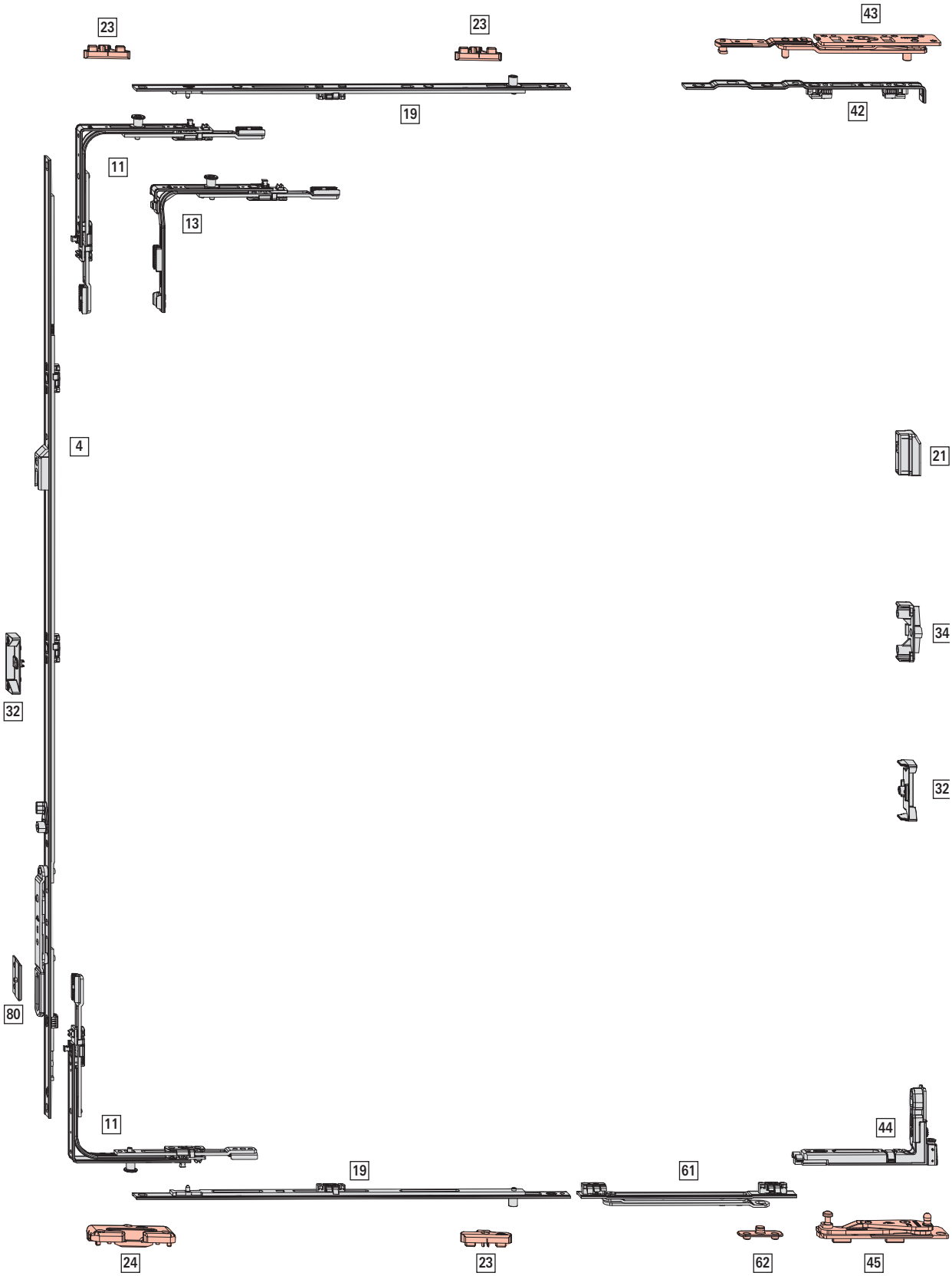
### Optional

## [16] Corner drive, slide guard

| | | | | Nº |
|---|---|---|---|---|
| Second opening sash / slide guard | Top | 1 | V | 839223 |
| | Bottom | 1 | V | 839224 |

## 4.1.5 Floating-mullion hardware – centre sash

### 4.1.5.1 Standard – basic security



### Application range

**SRW**: 370 – 1200 mm

**SRH**: 430 – 1800 mm

**S.kg**: max. 80 kg

#### [4] Lever-operated espagnolette, VT – fixed handle height, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 280 – 555 | 156 | 445 | – | Y | N | 2003815 |
| 431 – 710 | 195 | 600 | – | Y | Y | 795462 |
| 601 – 800 | 300 | 690 | – | N | Y | 763116 |
| 801 – 1000 | 490 | 890 | 1 | N | Y | 763117 |
| 1001 – 1200 | 335 | 1090 | 1 | N | Y | 763118 |
| 1201 – 1400 | 335 | 1290 | 1 | N | Y | 763119 |
| 1401 – 1600 | 335 | 1490 | 2 | N | Y | 763120 |
| 1601 – 1800 | 335 | 1690 | 2 | N | Y | 795474 |

Lever-operated espagnolette 2003815 must be secured with a fastening plate 255211.

#### [11] Standard corner drive

| | | | № |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

#### [13] Special short corner drive

| | | № |
|---|---|---|
| 1 | E | 260280 |
| 1 | P | 260282 |

For use with:

SRH < 511 mm

#### [19] Multipart centre lock – standard, horizontal

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

| | | | | | № |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| – | 801 – 850 | 200 | 1 | P | 255284 |
| 801 – 1200 | 851 – 1200 | 400 | 1 | E | 255280 |

#### [21] Striker for opposite hardware groove

| | | № |
|---|---|---|
| Striker for opposite hardware groove | Screw-on | 328253 |

#### [23] Striker → *from page 192*

#### [24] Security striker → *from page 194*

**INFO**

Lever-operated espagnolette, standard: A left second opening sash with asymmetrical strikers always requires right strikers horizontally at the bottom – and vice versa.

#### [32] Bullet catch (optional SRH ≥ 1601 mm)

| | | № |
|---|---|---|
| Bullet catch for opposite hardware groove | Screw-on | 788507 |

#### [34] Lifting mishandling device frame component → *from page 203*

| | | № |
|---|---|---|
| Lifting mishandling device for opposite hardware groove | Screw-on | 260539 |

#### [42] Rebate stay guide

| | | № |
|---|---|---|
| For Turn-Only sashes | 220 / 15 | 2005701 |

#### [43] Rebate stay arm → *from page 181*

#### [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

#### [45] Pivot rest → *from page 183*

#### [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**

Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

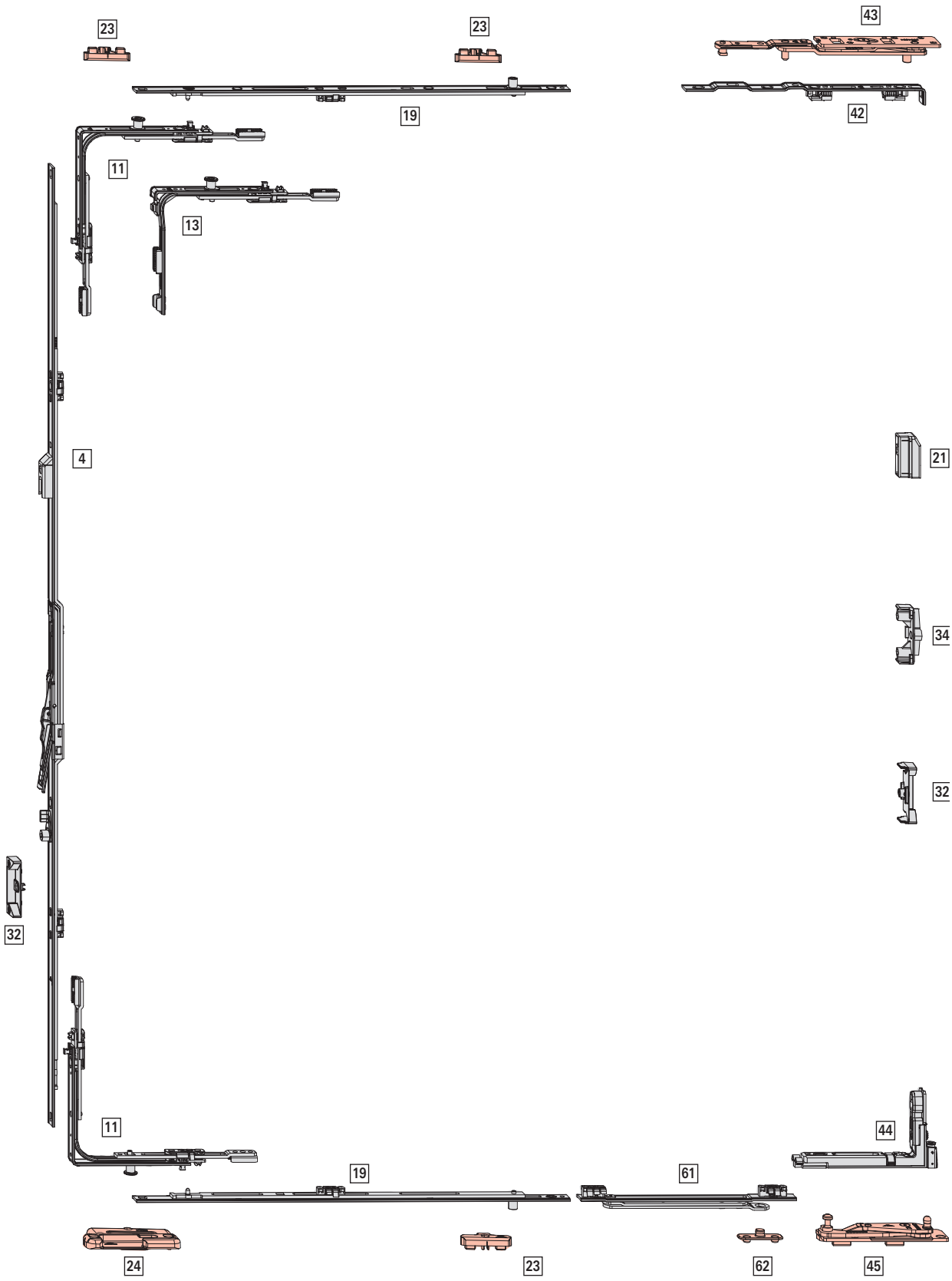
#### [62] Turn restrictor frame component → *from page 205*

#### [80] Fastening plate

Can only be used in combination with lever-operated espagnolette 2003815.

| | № |
|---|---|
| Fastening plate with cam | 255211 |

### 4.1.5.2 Plus – basic security



### Application range

**SRW**: 370 – 1200 mm

**SRH**: 430 – 1800 mm

**S.kg**: max. 80 kg

## [4] Lever-operated espagnolette Plus – VT, backset 15 mm

| | | | | | | | Nº |
|---|---|---|---|---|---|---|---|
| 431 – 710 | 144 | 600 | Y | N | – | Y | 2007106 |
| 601 – 800 | 234 | 690 | Y | N | – | – | 2007116 |
| 801 – 1000 | 496 | 890 | Y | N | 1 | – | 2007117 |
| 1001 – 1200 | 496 | 1090 | Y | N | 1 | – | 2007118 |
| 1201 – 1400 | 546 | 1290 | Y | N | 1 | – | 2007119 |
| 1401 – 1600 | 546 | 1490 | Y | N | 2 | – | 2007120 |
| 1601 – 1800 | 546 | 1690 | Y | Y | 2 | – | 2007121 |

## [11] Standard corner drive

| | | | Nº |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

## [13] Special short corner drive

| | | Nº |
|---|---|---|
| 1 | E | 260280 |
| 1 | P | 260282 |

For use with:

SRH < 511 mm

## [19] Multipart centre lock – standard, horizontal

| | | | | Nº |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

| | | | | | Nº |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| – | 801 – 850 | 200 | 1 | P | 255284 |
| 801 – 1200 | 851 – 1200 | 400 | 1 | E | 255280 |

## [21] Striker for opposite hardware groove

| | | Nº |
|---|---|---|
| Striker for opposite hardware groove | Screw-on | 328253 |

## [23] Striker → *from page 192*

## [24] Security striker → *from page 194*

## [32] Bullet catch (optional SRH ≥ 1601 mm)

| | | Nº |
|---|---|---|
| Bullet catch for opposite hardware groove | Screw-on | 788507 |

## [34] Lifting mishandling device frame component → *from page 203*

| | | Nº |
|---|---|---|
| Lifting mishandling device for opposite hardware groove | Screw-on | 260539 |

## [42] Rebate stay guide

| | | Nº |
|---|---|---|
| For Turn-Only sashes | 220 / 15 | 2005701 |

## [43] Rebate stay arm → *from page 181*

## [44] Corner hinge

| | | Nº |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [61] Turn restrictor 195 sash component

| | Nº |
|---|---|
| Turn restrictor 195 | 2005294 |

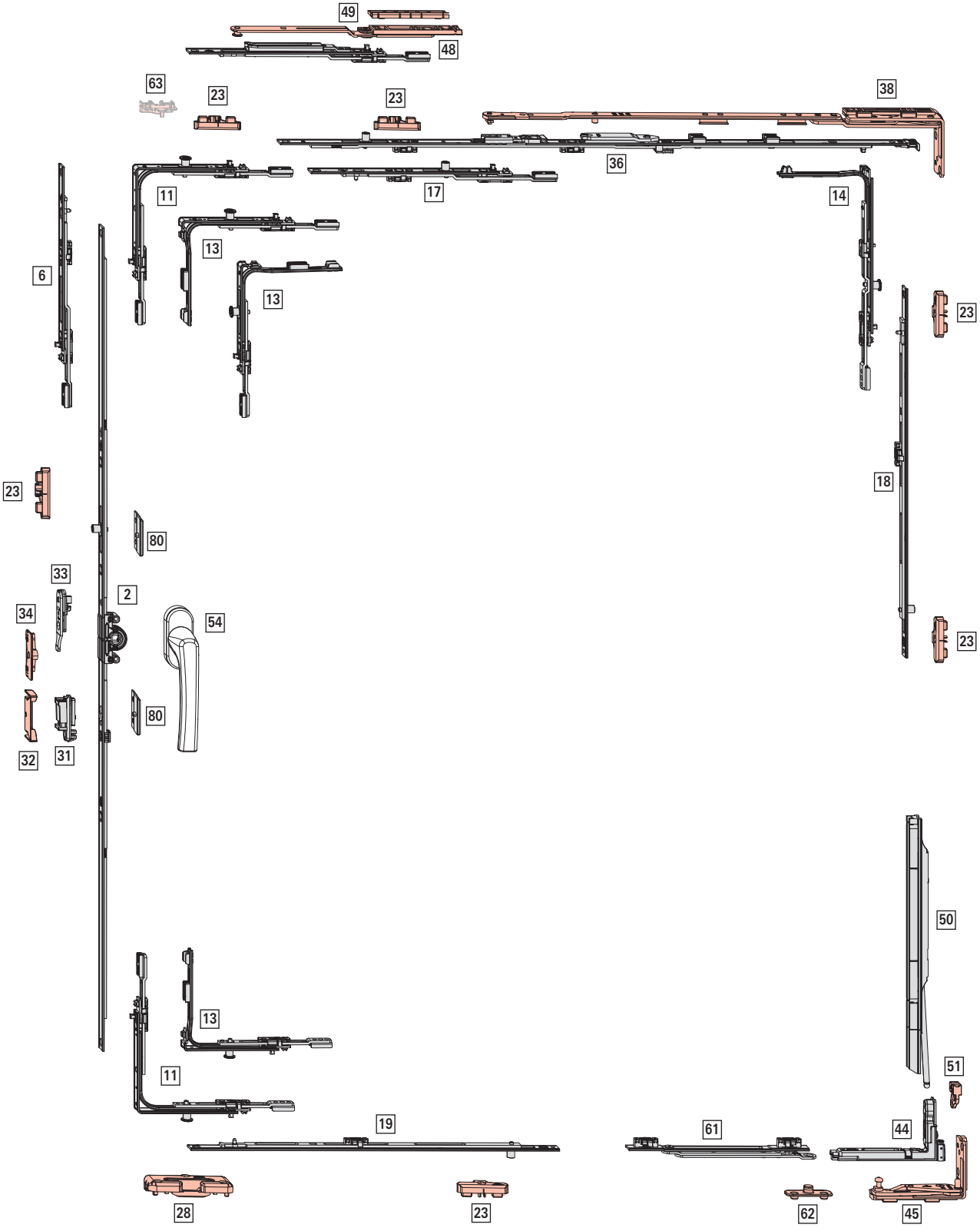
**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

## [62] Turn restrictor frame component → *from page 205*

## 4.2 T&T espagnolette – centred / variable handle height

### 4.2.1 Tilt&Turn hardware

#### 4.2.1.1 Basic security



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 340 – 1750 mm | **SRW**: 600 – 1750 mm |
| **SRH**: 310 – 3000 mm | **SRH**: 1000 – 3000 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

**INFO**
SRW 340 – 450 mm from SRH 451 mm
SRH 310 – 450 mm from SRW 451 mm

#### [2] T&T espagnolette – centred / variable handle height, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | E | 259719 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | E | 259720 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | E | 259721 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | E | 795389 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | E | 795392 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

#### [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | – | – | 308267 |
| 400 | Y | 1 | E | 280346 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | – | – | 308267 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |

#### [11] Standard corner drive

| | | | № |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

#### [13] Special short corner drive

| | | № |
|---|---|---|
| 1 | E | 260280 |
| 1 | P | 260282 |

For use with:
SRH ≤ 450 mm
SRW ≤ 450 mm

#### [14] Sash stay corner drive

| | | № |
|---|---|---|
| 1 | P | 260286 |

**INFO**
With SRH 310 – 330 mm, crop the sash stay corner drive (to do so, extend the connecting rod fully).

#### [17] Centre lock, multipart – standard, horizontal – top

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 1601 – 1750 | 200 KU | 1 | E | 450821 |

#### [18] Multipart centre lock – standard, vertical

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

**Without load transfer**

| | | | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | P | 255280 |

**With load transfer**

| | | | | № |
|---|---|---|---|---|
| 1000 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |

| | | | | |
|---|---|---|---|---|
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

## [19] Multipart centre lock – standard, horizontal

| | | | | |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | | | |
|---|---|---|---|---|---|
| – | 801 – 850 | 200 | 1 | P | 255284 |
| 801 – 1000 | 851 – 1200 | 400 | 1 | E | 255285 |
| – | 1201 – 1400 | 600 | 1 | E | 255286 |
| – | 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| – | 1601 – 1750 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | E | 255280 |

## [23] Striker → *from page 192*

## [28] Tilt striker → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [34] Lifting mishandling device frame component → *from page 203*

## [36] Stay guide – basic security

| | | | | | |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [48] Additional stay arm (SRW ≥ 1401 mm)

| | | |
|---|---|---|
| Frame and sash component | 200 | 255237 |

## [49] Packer → *from page 200*

## [50] Load transfer sash component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | |
|---|---|
| max. 180 kg | 2005293 |

## [51] Load transfer frame component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | |
|---|---|
| max. 180 kg | 2005292 |

## [54] Handle → CTL_1

## [61] Turn restrictor 195 sash component

| | |
|---|---|
| Turn restrictor 195 | 2005294 |

**Alternatively**

| | |
|---|---|
| Turn restrictor 355 | 2037236 |

For use with:
SRW ≥ 600 mm

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

**[62] Turn restrictor frame component** → *from page 205*

**[80] Fastening plate**

| | № |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with T&T espagnolette 259717.
**Optional**

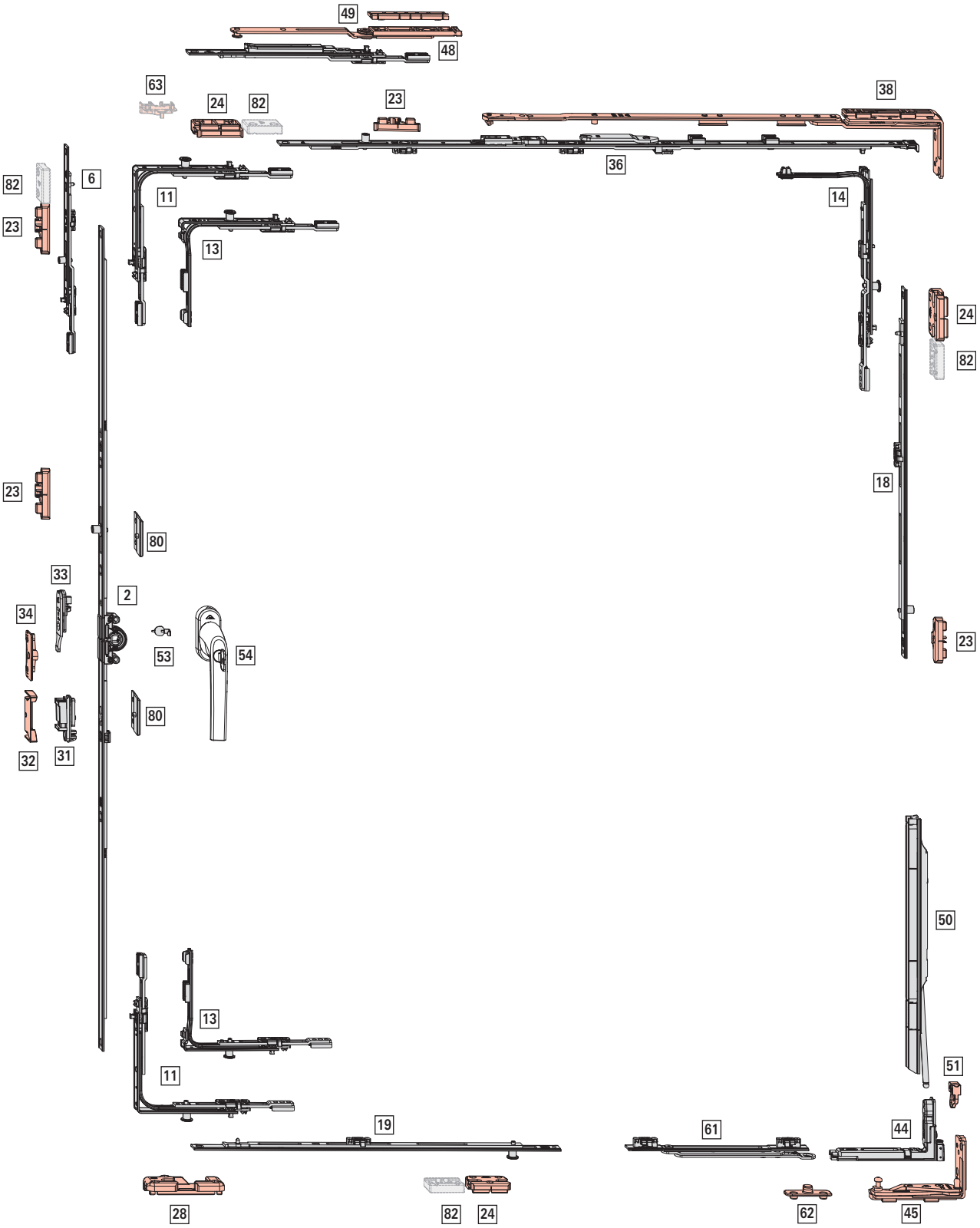
**[63] Night vent**, SRW ≥ 801 mm → *from page 206*

**INFO**
Only for use in conjunction with P or V cam.

**Arrestable brake stay** → CTL_105

**Sash lifter** → CTL_105

### 4.2.1.2 RC 1 N


49
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23
80
32
31
50
13
51
11
19
61
44
28
82
24
62
45

### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1600 mm | **SRW**: 600 – 1600 mm |
| **SRH**: 310 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

**[2] T&T espagnolette – centred / variable handle height**, backset 15 mm

| | | | | | | Nº |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | E | 259719 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | E | 259720 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | E | 259721 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | E | 795389 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | E | 795392 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

**[6] Centre lock, multipart**, (SRH ≥ 2401 mm)

| | | | | Nº |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |
| 400 | Y | 1 | E | 280346 |

Size-specific combinations:

| | | | | Nº |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | E | 450821 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |

**[11] Standard corner drive**

| | | Nº |
|---|---|---|
| 1 | P | 260277 |

**[13] Special short corner drive**

| | | Nº |
|---|---|---|
| 1 | P | 260282 |

For use with:

SRH ≤ 450 mm

**[14] Sash stay corner drive**

| | | Nº |
|---|---|---|
| 1 | P | 260286 |

**INFO**
With SRH 310 – 330 mm, crop the sash stay corner drive (to do so, extend the connecting rod fully).

**[18] Multipart centre lock – standard, vertical**

| | | | | Nº |
|---|---|---|---|---|
| 200 | Y | 1 | P | 622880 |
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

#### Without load transfer

| | | | | Nº |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255281 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

#### With load transfer

| | | | | Nº |
|---|---|---|---|---|
| 1001 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |

## [19] Multipart centre lock – security, horizontal

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | P | 255284 |
| 400 | N | 1 | P | 255285 |
| 600 | N | 1 | P | 255286 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | | № |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| 450 – 650 | 650 – 850 | 200 | 1 | P | 255284 |
| 651 – 850 | 851 – 1050 | 400 | 1 | P | 255285 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | P | 255286 |
| – | 1251 – 1450 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| – | 1451 – 1600 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | P | 255285 |

## [23] Striker → *from page 192*

## [24] Security striker → *from page 194*

## [28] Tilt striker → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [34] Lifting mishandling device frame component → *from page 203*

## [36] Stay guide – basic security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [48] Additional stay arm (SRW ≥ 1401 mm)

| | | № |
|---|---|---|
| Frame and sash component | 200 | 255237 |

## [49] Packer → *from page 200*

## [50] Load transfer sash component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

## [51] Load transfer frame component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

## [53] Drilling protection

| | № |
|---|---|
| Drilling protection | 797819 |

## [54] Handle, lockable → CTL_1

## [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

## [62] Turn restrictor frame component → *from page 205*

## [80] Fastening plate

| | № |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with T&T espagnolette 259717.

## Optional

**[63] Night vent**, SRW ≥ 801 mm → *from page 206*

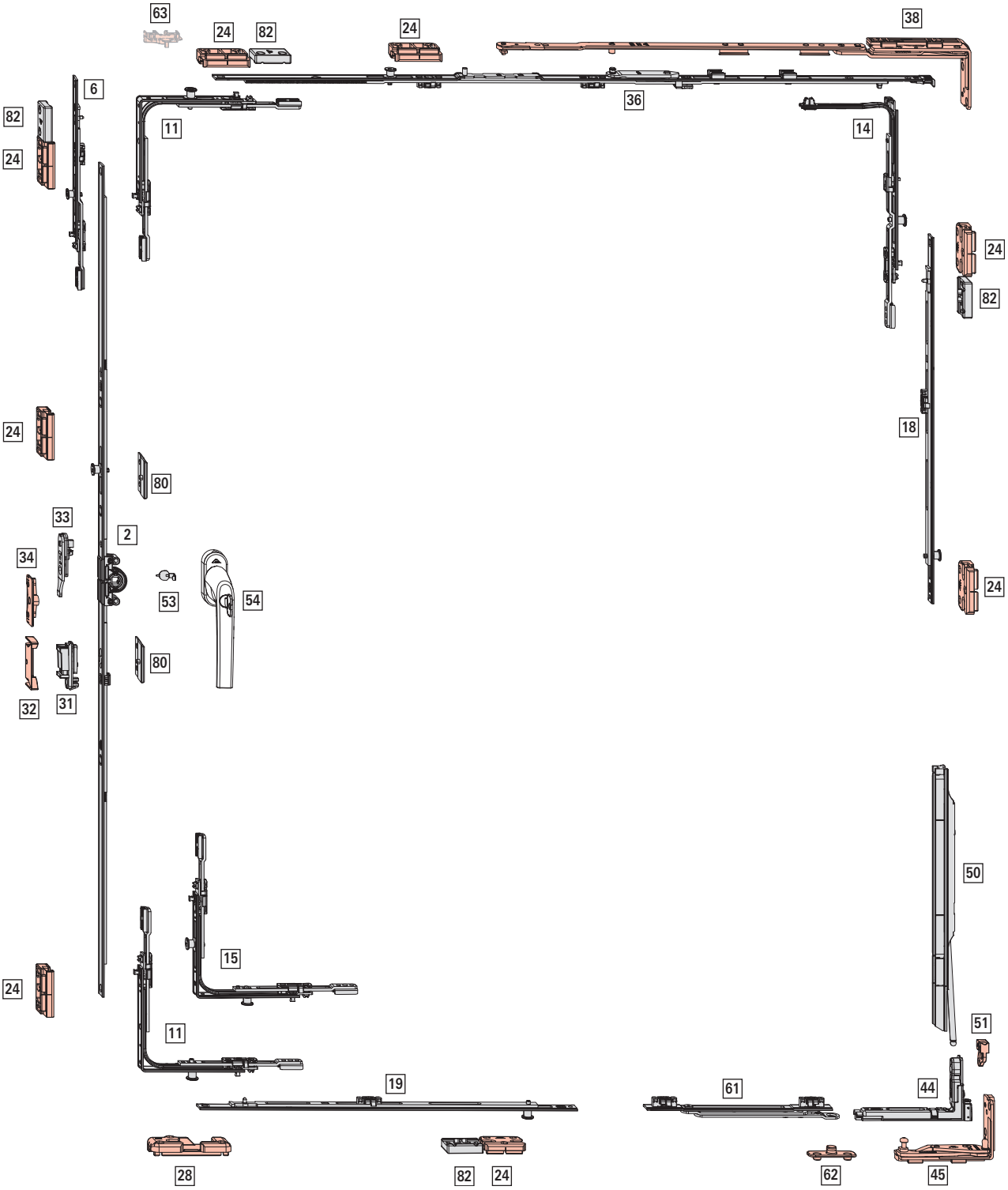
**INFO**
Only for use in conjunction with P or V cam.

**[82] Anti-jemmy device**

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

**Sash lifter** → CTL_105

## 4.2.1.3 RC 2 / RC 2 N



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1400 mm | **SRW**: 650 – 1400 mm |
| **SRH**: 490 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

## [2] T&T espagnolette – centred / variable handle height, backset 15 mm

| | | | | # | | № |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | V | 355743 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | V | 355744 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | V | 355745 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | V | 795390 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | V | 795393 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

## [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | # | | № |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

Size-specific combinations:

| | | # | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | V | 337708 |
| 2601 – 2800 | 400 KU | 1 | V | 337710 |

## [11] Standard corner drive

| # | | № |
|---|---|---|
| 1 | V | 260272 |

## [14] Sash stay corner drive

| # | | № |
|---|---|---|
| 1 | V | 260284 |

## [15] Corner drive, standard (security)

| # | | № |
|---|---|---|
| 2 | V | 260274 |

For use with: SRH ≤ 620 mm

## [18] Multipart centre lock – security, vertical

| | | # | | № |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without load transfer | With load transfer | | # | | № |
|---|---|---|---|---|---|
| 490 – 650 | – | 200 | 1 | V | 296853 |
| 651 – 850 | 1000 – 1150 | 400 | 1 | V | 296854 |
| 851 – 1050 | 1151 – 1350 | 600 [24] | 1 | V | 296855 |
| 1051 – 1250 | 1351 – 1550 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1251 – 1450 | 1551 – 1750 | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 1451 – 1650 | 1751 – 1950 | 600 KU | 1 | V | 337711 |
| | | 600 [25] | 1 | V | 296855 |
| 1651 – 1850 | 1951 – 2150 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1851 – 2050 | 2151 – 2350 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2051 – 2250 | 2351 – 2550 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [26] | 1 | V | 296855 |
| 2251 – 2450 | 2551 – 2750 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 2451 – 2650 | 2751 – 2800 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2651 – 2800 | – | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [27] | 1 | V | 296855 |

## [19] Multipart centre lock – security, horizontal

| | | # | | № |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | # | | № |
|---|---|---|---|---|---|
| 450 – 650 | 650 – 850 | 200 | 1 | V | 296853 |
| 651 – 850 | 851 – 1050 | 400 | 1 | V | 296854 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | V | 296855 |
| – | 1251 – 1400 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |

[24] Without load transfer: crop CL by 15 mm up to SRH 861

[25] Without load transfer: crop CL by 15 mm up to SRH 1461

[26] Without load transfer: crop CL by 15 mm up to SRH 2061

[27] Without load transfer: crop CL by 15 mm up to SRH 2661

### [24] Security striker → *from page 194*

### [28] Tilt striker → *from page 185*

### [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

### [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

### [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

### [34] Lifting mishandling device frame component → *from page 203*

### [36] Stay guide – security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | V | 2005276 |
| 1001 – 1200 | 500 | 1090 | 1 | V | 2005277 |
| 1201 – 1400 | 500 | 1290 | 1 | V | 2005278 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

### [38] Stay arm → *from page 174*

### [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

### [45] Pivot rest → *from page 183*

### [50] Load transfer sash component (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

### [51] Load transfer frame component (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

### [53] Drilling protection

| | № |
|---|---|
| Drilling protection | 797819 |

### [54] Handle, lockable → CTL_1

### [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 650 mm, mandatory for SRW > 1000 mm and when load transfer is used.

### [62] Turn restrictor frame component → *from page 205*

### [80] Fastening plate

| | № |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with T&T espagnolette 259717.

### [82] Anti-jemmy device

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

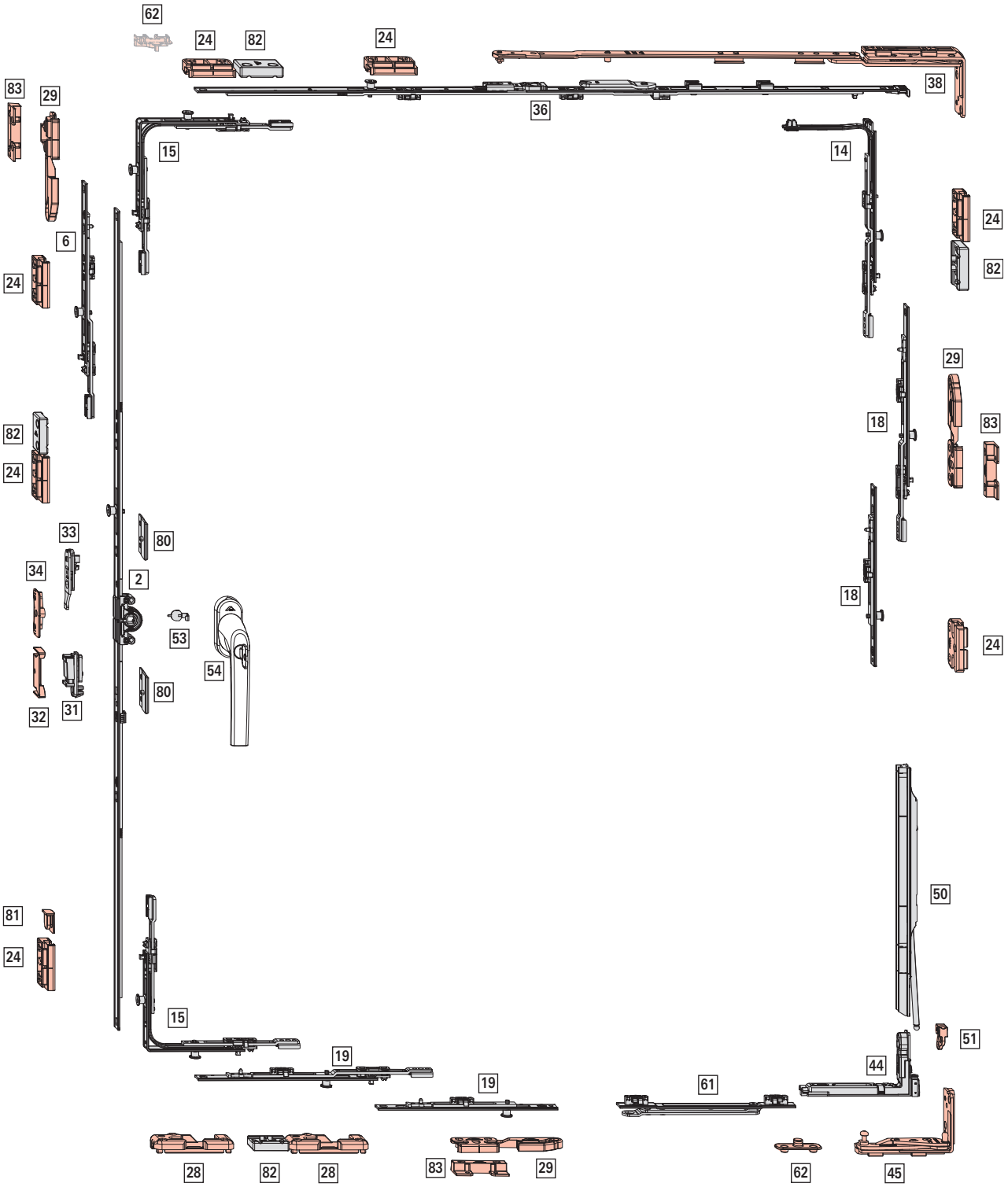
**Optional**

### [63] Night vent, SRW ≥ 801 mm → *from page 206*

**INFO**
Only for use in conjunction with P or V cam.

### Sash lifter → CTL_105

### 4.2.1.4 TiltSafe RC 2 / RC 2 N



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1400 mm | **SRW**: 650 – 1400 mm |
| **SRH**: 490 – 2800 mm | **SRH**: 1000 – 2400 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

**INFO**
Only for hardware axis 13 and rebate depth ≥ 30 mm.

### [2] T&T espagnolette – centred / variable handle height, backset 15 mm

| | | | | | | Nº |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | V | 355743 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | V | 355744 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | V | 355745 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | V | 795390 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | V | 795393 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

### [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | Nº |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

Size-specific combinations:

| | | | | Nº |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | V | 337708 |
| 2601 – 2800 | 400 KU | 1 | V | 337710 |

### [14] Sash stay corner drive

| | | Nº |
|---|---|---|
| 1 | V | 260284 |

### [15] Corner drive, standard (security)

| | | Nº |
|---|---|---|
| 2 | V | 260274 |

### [18] Multipart centre lock – security, vertical

| | | | | Nº |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 200 | Y | 1 | V | 337708 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without load transfer | With load transfer | | | | Nº |
|---|---|---|---|---|---|
| 490 – 650 | – | 200 | 1 | V | 296853 |
| 651 – 850 | 1000 – 1150 | 200 KU | 1 | V | 337708 |
| | | 200 | 1 | V | 296853 |
| 851 – 1050 | 1151 – 1350 | 200 KU | 1 | V | 337708 |
| | | 400 | 1 | V | 296854 |
| 1051 – 1250 | 1351 – 1550 | 200 KU | 1 | V | 337708 |
| | | 600 [28] | 1 | V | 296855 |
| 1251 – 1450 | 1551 – 1750 | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1451 – 1650 | 1751 – 1950 | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 1651 – 1850 | 1951 – 2150 | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [29] | 1 | V | 296855 |
| 1851 – 2050 | 2151 – 2350 | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 2051 – 2250 | 2351 – 2550 | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2251 – 2450 | 2551 – 2750 | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [30] | 1 | V | 296855 |
| 2451 – 2650 | 2751 – 2800 | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 2651 – 2800 | – | 200 KU | 1 | V | 337708 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |

### [19] Multipart centre lock – security, horizontal

| | | | | Nº |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

[28] Without load transfer: crop CL by 15 mm up to SRH 1061

[29] Without load transfer: crop CL by 15 mm up to SRH 1661

[30] Without load transfer: crop CL by 15 mm up to SRH 2261

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | | | № |
|---|---|---|---|---|---|
| 450 – 650 | 650 – 850 | 200 | 1 | V | 296853 |
| 651 – 850 | 851 – 1050 | 200 KU | 1 | V | 337708 |
| | | 200 | 1 | V | 296853 |
| 851 – 1000 | 1051 – 1250 | 200 KU | 1 | V | 337708 |
| | | 200 KU | 1 | V | 337708 |
| | | 200 | 1 | V | 296853 |
| – | 1251 – 1400 | 200 KU | 1 | V | 337708 |
| | | 400 KU | 1 | V | 337710 |
| | | 200 | 1 | V | 296853 |

**[24] Security striker** → *from page 194*

**[28] Tilt striker** → *from page 185*

**[29] Security striker for tilt ventilation** → *from page 198*

**[31] Bullet catch sash component** (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

**[32] Bullet-catch frame component** (optional SRH ≥ 1601 mm) → *from page 201*

**[33] Lifting mishandling device sash component**

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

**[34] Lifting mishandling device frame component** → *from page 203*

**[36] Stay guide – security**

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | V | 2005276 |
| 1001 – 1200 | 500 | 1090 | 1 | V | 2005277 |
| 1201 – 1400 | 500 | 1290 | 1 | V | 2005278 |

**[38] Stay arm** → *from page 174*

**[44] Corner hinge**

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

**[45] Pivot rest** → *from page 183*

**[50] Load transfer sash component** (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

**[51] Load transfer frame component** (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

**[53] Drilling protection**

| | № |
|---|---|
| Drilling protection | 797819 |

**[54] Handle**, lockable → CTL_1

**[61] Turn restrictor 195 sash component**

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 650 mm, mandatory for SRW > 1000 mm and when load transfer is used.

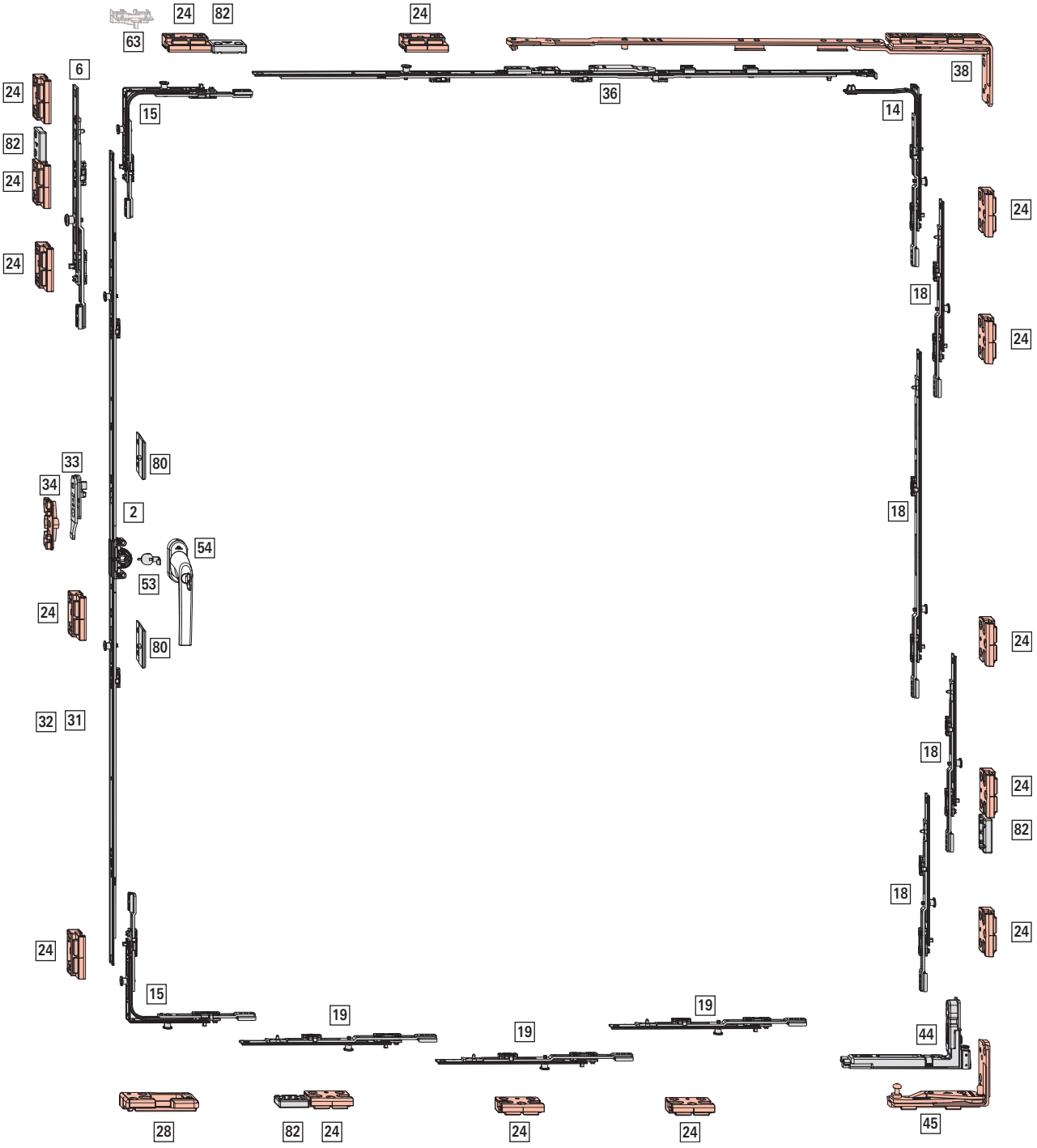
**[62] Turn restrictor frame component** → *from page 205*

**[82] Anti-jemmy device**

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

**[83] TiltSafe protective support** → *from page 198*

### 4.2.1.5 RC 3


24
82
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15
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19
44
28
82
24
24
24
45

### Application range

**SRW**: 490 – 1000 mm

**SRH**: 540 – 2800 mm

**S.kg**: max. 120 kg

**[2] T&T espagnolette – centred / variable handle height**, backset 15 mm

| | | | | | | Nº |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | V | 355743 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | V | 355744 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | V | 355745 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | V | 795390 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | V | 795393 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

**[6] Centre lock, multipart**, (SRH ≥ 2401 mm)

| | | | | Nº |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

Size-specific combinations:

| | | | | Nº |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | V | 337708 |
| 2601 – 2800 | 400 KU | 1 | V | 337710 |

**[14] Sash stay corner drive**

| | | Nº |
|---|---|---|
| 1 | V | 260284 |

**[15] Corner drive, standard (security)**

| | | Nº |
|---|---|---|
| 2 | V | 260274 |

**[18] Multipart centre lock – security, vertical**

| | | | | Nº |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| | | | | Nº |
|---|---|---|---|---|
| 540 – 740 | 200 KU | 1 | V | 337708 |
| 741 – 940 | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| 941 – 1140 | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| 1141 – 1340 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| 1341 – 1540 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| 1541 – 1740 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| 1741 – 1940 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| 1941 – 2140 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| 2141 – 2340 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| 2341 – 2540 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| 2541 – 2740 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| 2741 – 2800 | 200 KU | 1 | V | 337708 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 400 KU | 1 | V | 337710 |
| | 200 KU | 1 | V | 337708 |

**[19] Multipart centre lock – security, horizontal**

| | | | | Nº |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| | | # | | № |
|---|---|---|---|---|
| 490 – 690 | 200 KU [31] | 1 | V | 337708 |
| 691 – 890 | 200 KU | 1 | V | 337708 |
| | 200 KU [32] | 1 | V | 337708 |
| 891 – 1000 | 200 KU | 1 | V | 337708 |
| | 200 KU | 1 | V | 337708 |
| | 200 KU [33] | 1 | V | 337708 |

### [24] Security striker

### [28] Tilt striker

### [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

### [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

### [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

### [34] Lifting mishandling device frame component → *from page 203*

### [36] Stay guide – security

| | | | # | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | V | 2005276 |
| 1001 – 1200 | 500 | 1090 | 1 | V | 2005277 |
| 1201 – 1400 | 500 | 1290 | 1 | V | 2005278 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

### [38] Stay arm → *from page 174*

### [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

### [45] Pivot rest → *from page 183*

### [53] Drilling protection

| | № |
|---|---|
| Drilling protection | 797819 |

### [54] Handle, lockable → CTL_1

### [80] Fastening plate

| | № |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with T&T espagnolette 259717.

### [82] Anti-jemmy device

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

**Optional**

### [63] Night vent, SRW ≥ 801 mm → *from page 206*

### Sash lifter → CTL_105

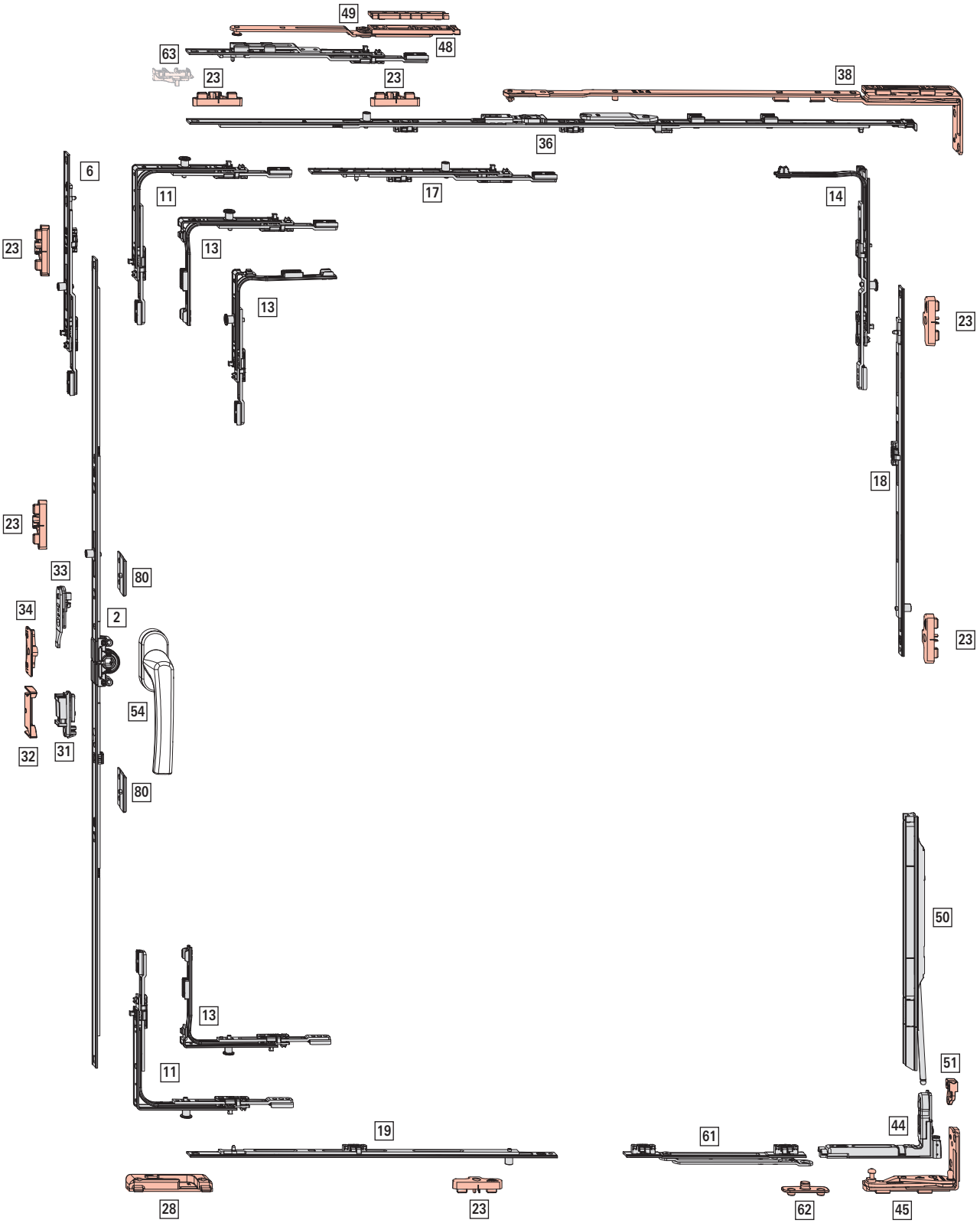
[31] Crop CL by 20 mm up to SRH 510

[32] Crop CL by 20 mm up to SRH 710

[33] Crop CL by 20 mm up to SRH 910

## 4.2.2 Tilt&Turn / TiltFirst hardware

### 4.2.2.1 Basic security



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 340 – 1750 mm | **SRW**: 600 – 1750 mm |
| **SRH**: 310 – 3000 mm | **SRH**: 1000 – 3000 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

**INFO**
SRW 340 – 450 mm from SRH 451 mm
SRH 310 – 450 mm from SRW 451 mm

**[2] T&T espagnolette – centred / variable handle height**, backset 15 mm

| | | | | # | | № |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | E | 259719 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | E | 259720 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | E | 259721 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | E | 795389 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | E | 795392 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

**[6] Centre lock, multipart**, (SRH ≥ 2401 mm)

| | | # | | № |
|---|---|---|---|---|
| 200 | Y | – | – | 308267 |
| 400 | Y | 1 | E | 280346 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | # | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | – | – | 308267 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |

**[11] Standard corner drive**

| # | | | № |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

**[13] Special short corner drive**

| # | | | № |
|---|---|---|---|
| 1 | E | Top | 260280 |
| 1 | P | Top<br>Bottom | 260282 |

For use with:
SRH ≤ 450 mm
SRW ≤ 450 mm

**[14] Sash stay corner drive**

| # | | № |
|---|---|---|
| 1 | P | 260286 |

**INFO**
With SRH 310 – 330 mm, crop the sash stay corner drive (to do so, extend the connecting rod fully).

**[17] Centre lock, multipart – standard, horizontal** – top

| | | # | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |

Size-specific combinations:

| | | # | | № |
|---|---|---|---|---|
| 1601 – 1750 | 200 KU | 1 | E | 450821 |

**[18] Multipart centre lock – standard, vertical**

| | | # | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

**Without load transfer**

| | | # | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | P | 255280 |

**With load transfer**

| | | # | | № |
|---|---|---|---|---|
| 1000 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |

| | | | | |
|---|---|---|---|---|
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

## [19] Multipart centre lock – standard, horizontal

| | | | | |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | | | |
|---|---|---|---|---|---|
| – | 801 – 850 | 200 | 1 | P | 255284 |
| 801 – 1000 | 851 – 1200 | 400 | 1 | E | 255285 |
| – | 1201 – 1400 | 600 | 1 | E | 255286 |
| – | 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| – | 1601 – 1750 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | E | 255280 |

## [23] Striker → *from page 192*

## [28] Tilt striker TiltFirst → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [34] Lifting mishandling device frame component → *from page 203*

## [36] Stay guide – basic security

| | | | | | |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [48] Additional stay arm TiltFirst (SRW ≥ 1401 mm)

| | |
|---|---|
| Frame and sash component | 292022 |

## [49] Packer → *from page 200*

## [50] Load transfer sash component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | |
|---|---|
| max. 180 kg | 2005293 |

## [51] Load transfer frame component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | |
|---|---|
| max. 180 kg | 2005292 |

## [54] Handle → CTL_1

**INFO**
Use the lockable TiltFirst handle for child safe windows, see CTL_1.

## [61] Turn restrictor 195 sash component

| | |
|---|---|
| Turn restrictor 195 | 2005294 |

**Alternatively**

| | |
|---|---|
| Turn restrictor 355 | 2037236 |

For use with:
SRW ≥ 600 mm

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

**[62] Turn restrictor frame component** → *from page 205*

**[80] Fastening plate**

| | № |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with T&T espagnolette 259717.
**Optional**

**[63] Night vent**, SRW ≥ 801 mm → *from page 206*

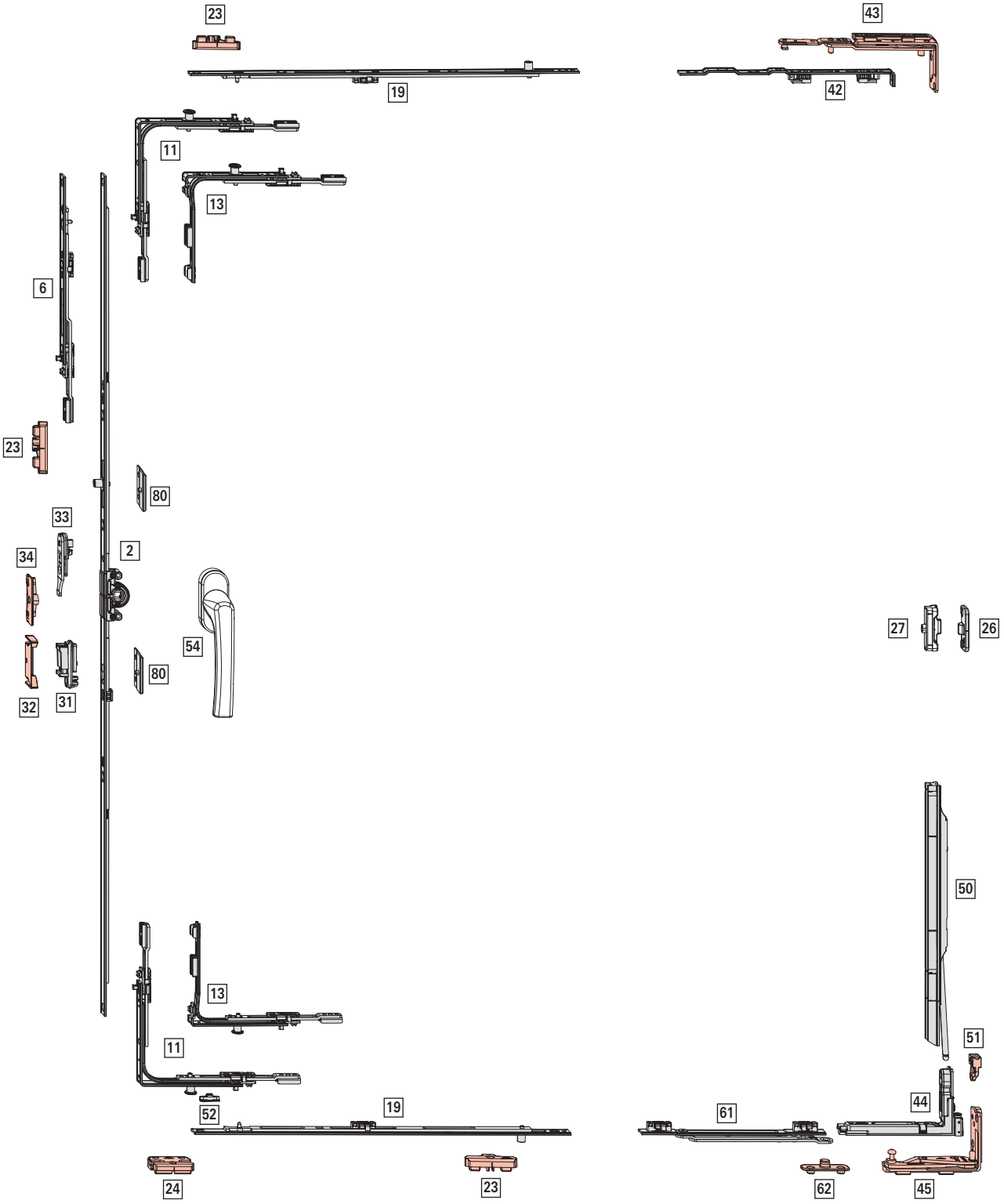
**INFO**
Only for use in conjunction with P or V cam.

**Arrestable brake stay** → CTL_105

**Sash lifter** → CTL_105

## 4.2.3 Turn-Only hardware

### 4.2.3.1 Basic security



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 370 – 1750 mm | **SRW**: 600 – 1750 mm |
| **SRH**: 310 – 3000 mm | **SRH**: 1000 – 3000 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

## [2] T&T espagnolette – centred / variable handle height, backset 15 mm

| | | | | # | | № |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | E | 259719 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | E | 259720 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | E | 259721 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | E | 795389 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | E | 795392 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

## [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | # | | № |
|---|---|---|---|---|
| 200 | Y | – | – | 308267 |
| 400 | Y | 1 | E | 280346 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | # | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | – | – | 308267 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |

## [11] Standard corner drive

| # | | | № |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

## [13] Special short corner drive

| # | | | № |
|---|---|---|---|
| 1 | E | Top | 260280 |
| 1 | P | Top<br>Bottom | 260282 |

For use with:
SRH ≤ 450 mm

**INFO**
SRW 370 – 415 mm: crop the corner drive at the top.

## [19] Multipart centre lock – standard, horizontal

| | | # | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

| | | | # | | № |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| – | 801 – 850 | 200 | 1 | P | 255284 |
| 801 – 1200 | 851 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| 1601 – 1750 | 1601 – 1750 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | E | 255280 |

## [23] Striker → *from page 192*

## [24] Security striker → *from page 194*

## [26] Concealed centre closer frame component → CTL_105

## [27] Concealed centre closer sash component → CTL_105

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [34] Lifting mishandling device frame component → *from page 203*

## [42] Rebate stay guide

| | | № |
|---|---|---|
| For Turn-Only sashes | 220 / 15 | 2005701 |

## [43] Rebate stay arm → *from page 181*

## [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

**[45] Pivot rest** → *from page 183*

**[50] Load transfer sash component**
(SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

**[51] Load transfer frame component**
(SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

**[52] 90° travel restrictor**

| | № |
|---|---|
| Travel restrictor | 264603 |

**[54] Handle** → CTL_1

**[61] Turn restrictor 195 sash component**

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**Alternatively**

| | № |
|---|---|
| Turn restrictor 355 | 2037236 |

For use with:
SRW ≥ 600 mm

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

**[62] Turn restrictor frame component** → *from page 205*

**[80] Fastening plate**

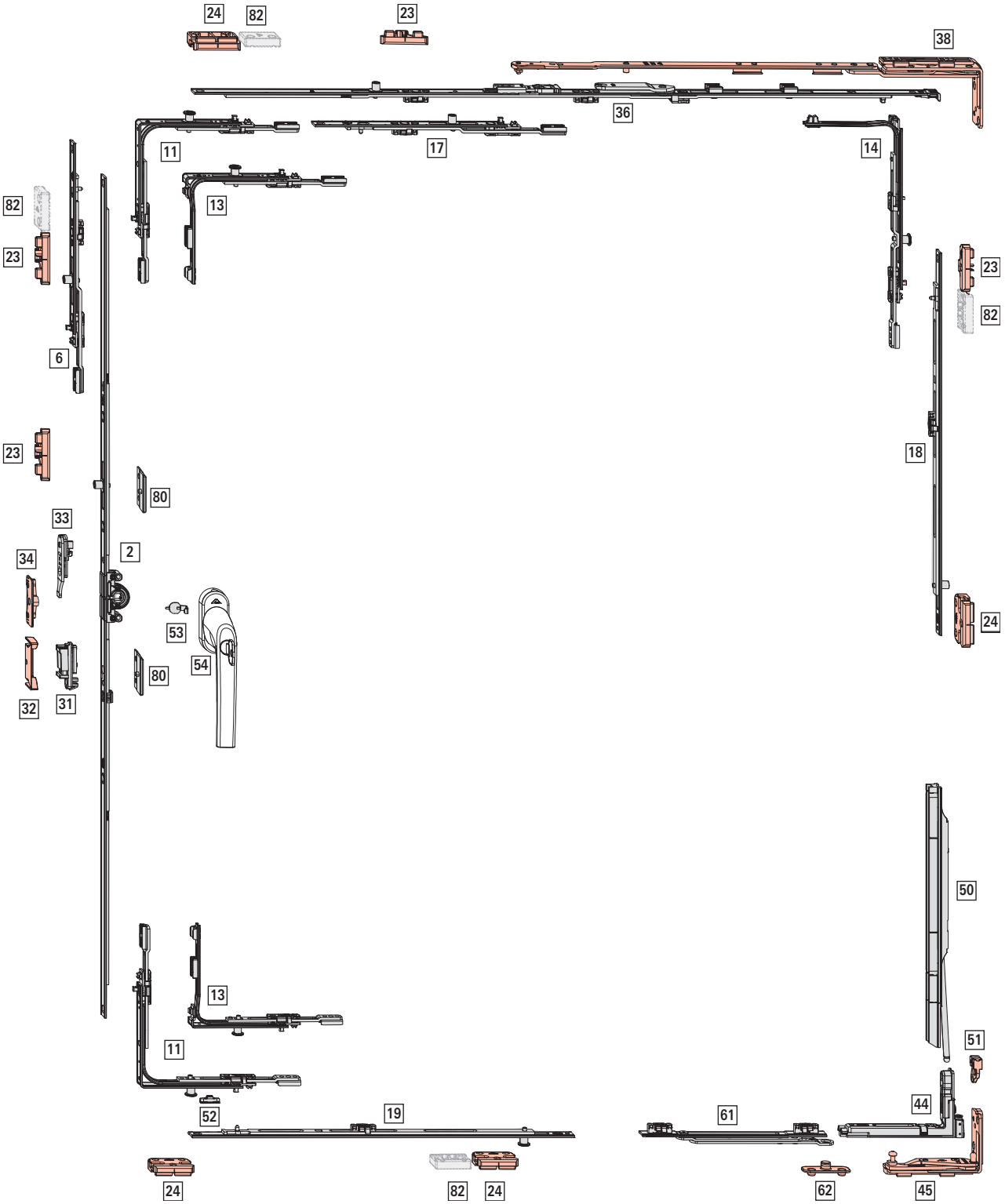
| | № |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with T&T espagnolette 259717.
**Optional**

**Arrestable brake stay** → CTL_105

**Sash lifter** → CTL_105

### 4.2.3.2 RC 1 N


24
82
23
38
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11
44
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61
24
82
24
62
45

### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1600 mm | **SRW**: 650 – 1600 mm |
| **SRH**: 310 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

#### [2] T&T espagnolette – centred / variable handle height, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | E | 259719 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | E | 259720 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | E | 259721 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | E | 795389 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | E | 795392 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

#### [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |
| 400 | Y | 1 | E | 280346 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | E | 450821 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |

#### [11] Standard corner drive

| | | № |
|---|---|---|
| 1 | P | 260277 |

#### [13] Special short corner drive

| | | № |
|---|---|---|
| 1 | P | 260282 |

For use with:

SRH ≤ 450 mm

#### [14] Sash stay corner drive

| | | № |
|---|---|---|
| 1 | P | 260286 |

**INFO**
With SRH 285 – 330 mm, crop the sash stay corner drive (to do so, extend the connecting rod fully).

#### [17] Centre lock, multipart – standard, horizontal – top

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 1401 – 1600 | 200 KU | 1 | E | 450821 |

#### [18] Multipart centre lock – standard, vertical

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

**Without load transfer**

| | | | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255281 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

**With load transfer**

| | | | | № |
|---|---|---|---|---|
| 1001 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |

## [19] Multipart centre lock – security, horizontal

| | | | | Nº |
|---|---|---|---|---|
| 200 | N | 1 | P | 255284 |
| 400 | N | 1 | P | 255285 |
| 600 | N | 1 | P | 255286 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | | Nº |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| 450 – 650 | 650 – 850 | 200 | 1 | P | 255284 |
| 651 – 850 | 851 – 1050 | 400 | 1 | P | 255285 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | P | 255286 |
| – | 1251 – 1450 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| – | 1451 – 1600 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | P | 255285 |

## [23] Striker → *from page 192*

## [24] Security striker → *from page 194*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | Nº |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | Nº |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [34] Lifting mishandling device frame component → *from page 203*

## [36] Stay guide – basic security

| | | | | | Nº |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | Nº |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [50] Load transfer sash component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | Nº |
|---|---|
| max. 180 kg | 2005293 |

## [51] Load transfer frame component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | Nº |
|---|---|
| max. 180 kg | 2005292 |

## [52] 90° travel restrictor

| | Nº |
|---|---|
| Travel restrictor | 264603 |

## [53] Drilling protection

| | Nº |
|---|---|
| Drilling protection | 797819 |

## [54] Handle, lockable → CTL_1

## [61] Turn restrictor 195 sash component

| | Nº |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

## [62] Turn restrictor frame component → *from page 205*

## [80] Fastening plate

| | Nº |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with T&T espagnolette 259717.

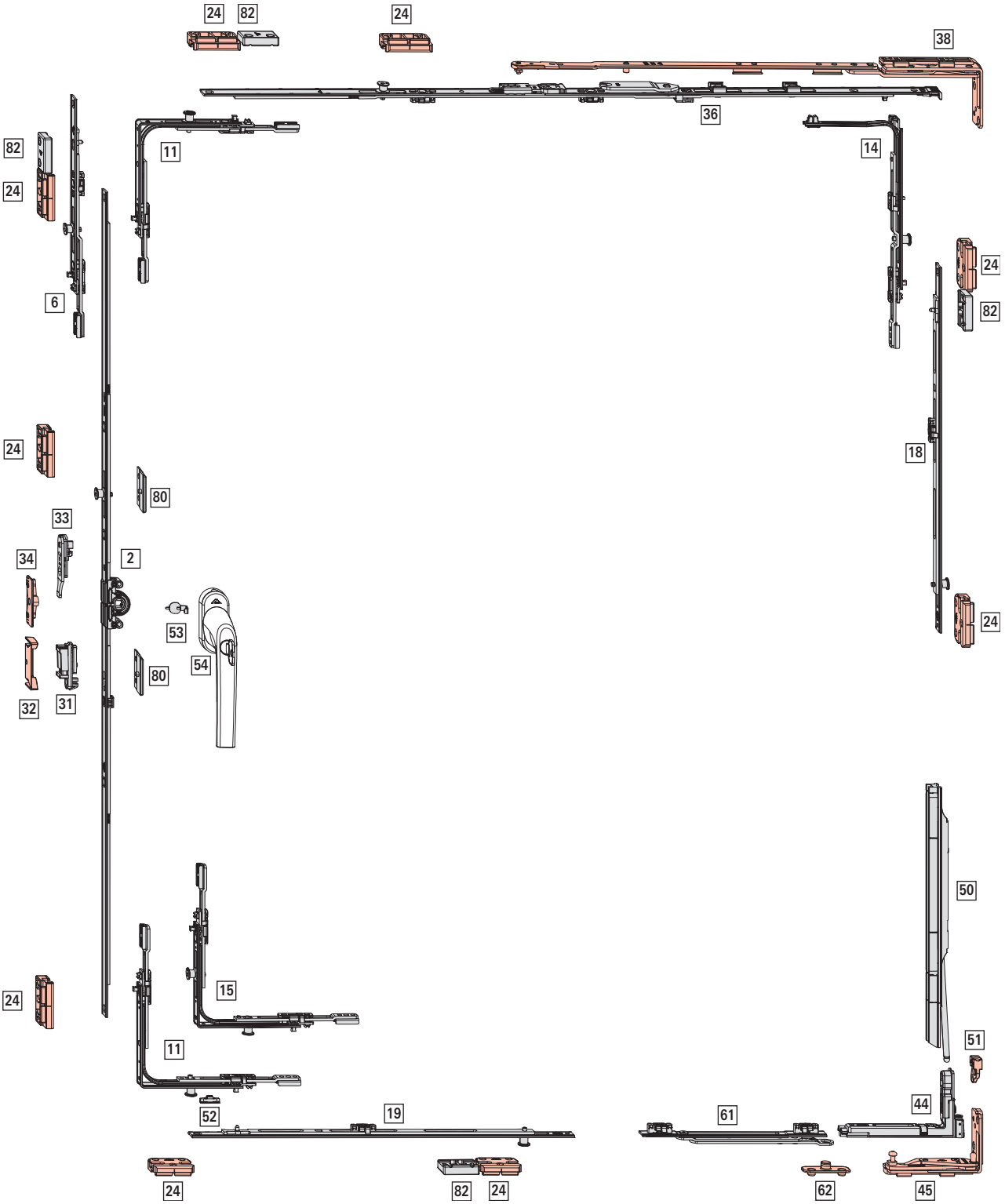
### Optional

## [82] Anti-jemmy device

| | | Nº |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

## Sash lifter → CTL_105

### 4.2.3.3 RC 2 / RC 2 N



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1400 mm | **SRW**: 650 – 1400 mm |
| **SRH**: 490 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

## [2] T&T espagnolette – centred / variable handle height, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | V | 355743 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | V | 355744 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | V | 355745 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | V | 795390 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | V | 795393 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

## [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | V | 337708 |
| 2601 – 2800 | 400 KU | 1 | V | 337710 |

## [11] Standard corner drive

| | | № |
|---|---|---|
| 1 | V | 260272 |

## [14] Sash stay corner drive

| | | № |
|---|---|---|
| 1 | V | 260284 |

## [15] Corner drive, standard (security)

| | | № |
|---|---|---|
| 2 | V | 260274 |

For use with:

SRH ≤ 620 mm

## [18] Multipart centre lock – security, vertical

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without load transfer | With load transfer | | | | № |
|---|---|---|---|---|---|
| 490 – 650 | – | 200 | 1 | V | 296853 |
| 651 – 850 | 1000 – 1150 | 400 | 1 | V | 296854 |
| 851 – 1050 | 1151 – 1350 | 600 [34] | 1 | V | 296855 |
| 1051 – 1250 | 1351 – 1550 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1251 – 1450 | 1551 – 1750 | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 1451 – 1650 | 1751 – 1950 | 600 KU | 1 | V | 337711 |
| | | 600 [35] | 1 | V | 296855 |
| 1651 – 1850 | 1951 – 2150 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1851 – 2050 | 2151 – 2350 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2051 – 2250 | 2351 – 2550 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [36] | 1 | V | 296855 |
| 2251 – 2450 | 2551 – 2750 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 2451 – 2650 | 2751 – 2800 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2651 – 2800 | – | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [37] | 1 | V | 296855 |

## [19] Multipart centre lock – security, horizontal

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | | | № |
|---|---|---|---|---|---|
| 450 – 650 | 650 – 850 | 200 | 1 | V | 296853 |
| 651 – 850 | 851 – 1050 | 400 | 1 | V | 296854 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | V | 296855 |
| – | 1251 – 1400 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |

[34] Without load transfer: crop CL by 15 mm up to SRH 861

[35] Without load transfer: crop CL by 15 mm up to SRH 1461

[36] Without load transfer: crop CL by 15 mm up to SRH 2061

[37] Without load transfer: crop CL by 15 mm up to SRH 2661

## [24] Security striker → *from page 194*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [34] Lifting mishandling device frame component → *from page 203*

## [36] Stay guide – security

| | | | # | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | V | 2005276 |
| 1001 – 1200 | 500 | 1090 | 1 | V | 2005277 |
| 1201 – 1400 | 500 | 1290 | 1 | V | 2005278 |

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [50] Load transfer sash component (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

## [51] Load transfer frame component (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

## [52] 90° travel restrictor

| | № |
|---|---|
| Travel restrictor | 264603 |

## [53] Drilling protection

| | № |
|---|---|
| Drilling protection | 797819 |

## [54] Handle, lockable → CTL_1

## [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 650 mm, mandatory for SRW > 1000 mm and when load transfer is used.

## [62] Turn restrictor frame component → *from page 205*

## [80] Fastening plate

| | № |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with T&T espagnolette 259717.

## [82] Anti-jemmy device

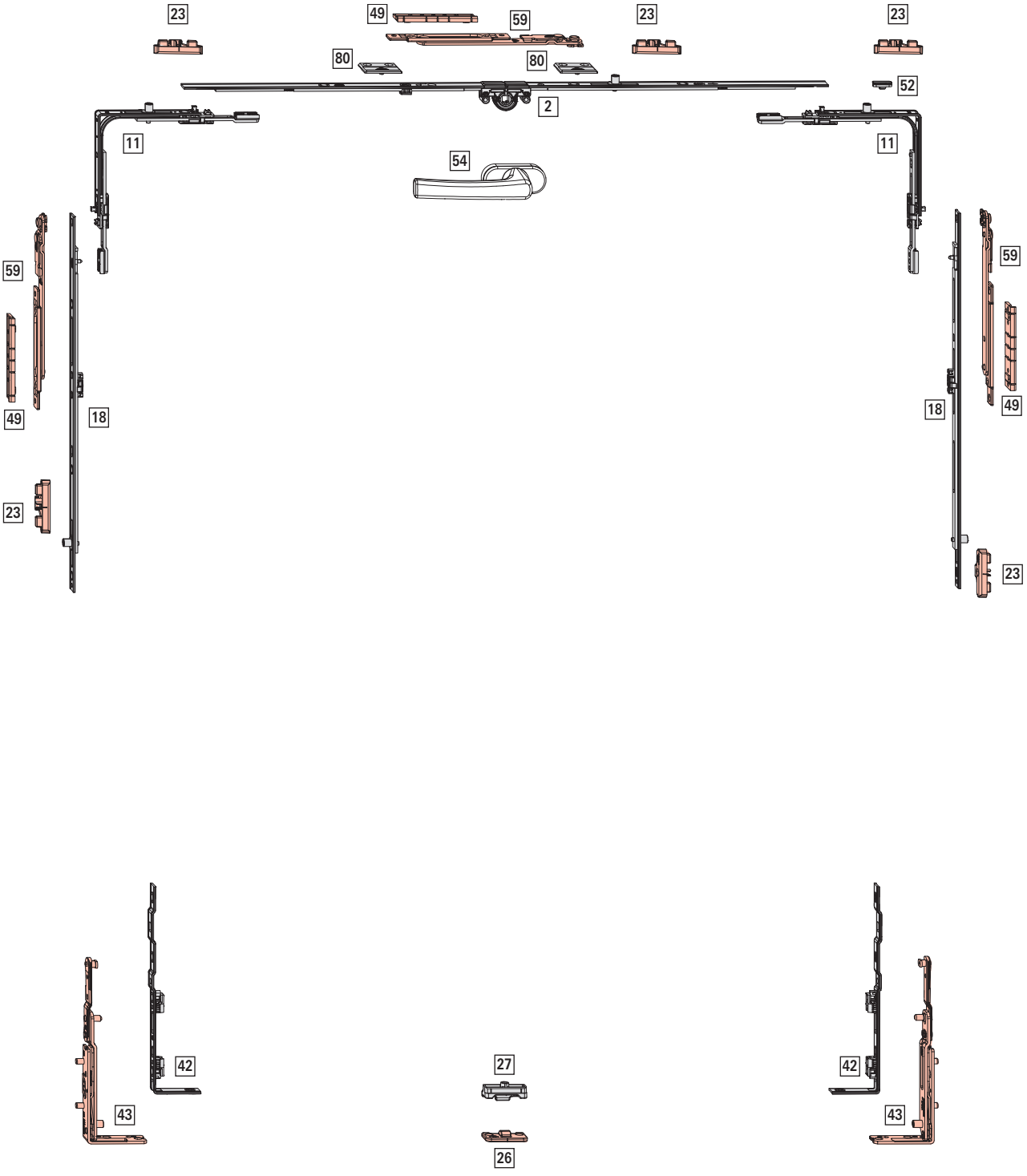
| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

### Optional

**Sash lifter** → CTL_105

## 4.2.4 Tilt-Only hardware

### 4.2.4.1 Basic security



### Application range

**SRW**: 450 – 2400 mm

**SRH**: 370 – 1500 mm

**S.kg**: max. 80 kg

**[2] T&T espagnolette – centred / variable handle height**, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | E | 259719 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | E | 259720 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | E | 259721 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | E | 795389 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | E | 795392 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

**[11] Standard corner drive**

| | | | № |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

**[18] Multipart centre lock – standard, vertical**

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | P | 622880 |
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1500 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 622880 |

**[23] Striker** → *from page 192*

**[26] Concealed centre closer frame component** → CTL_105

**[27] Concealed centre closer sash component** → CTL_105

**[42] Rebate stay guide**

| | | № |
|---|---|---|
| For Tilt-Only sashes | 220 / 50 | 2005281 |

**[43] Rebate stay arm** → *from page 181*

**[49] Packer** → *from page 200*

**[52] 90° travel restrictor**

| | № |
|---|---|
| Travel restrictor | 264603 |

**[54] Handle** → CTL_1

**[59] Tilt stay set for floating-mullion installation**

| | № |
|---|---|
| Floating-mullion installation | 482823 |

Installation at the top: SRH > 620

Installation at the side: SRH ≥ 500

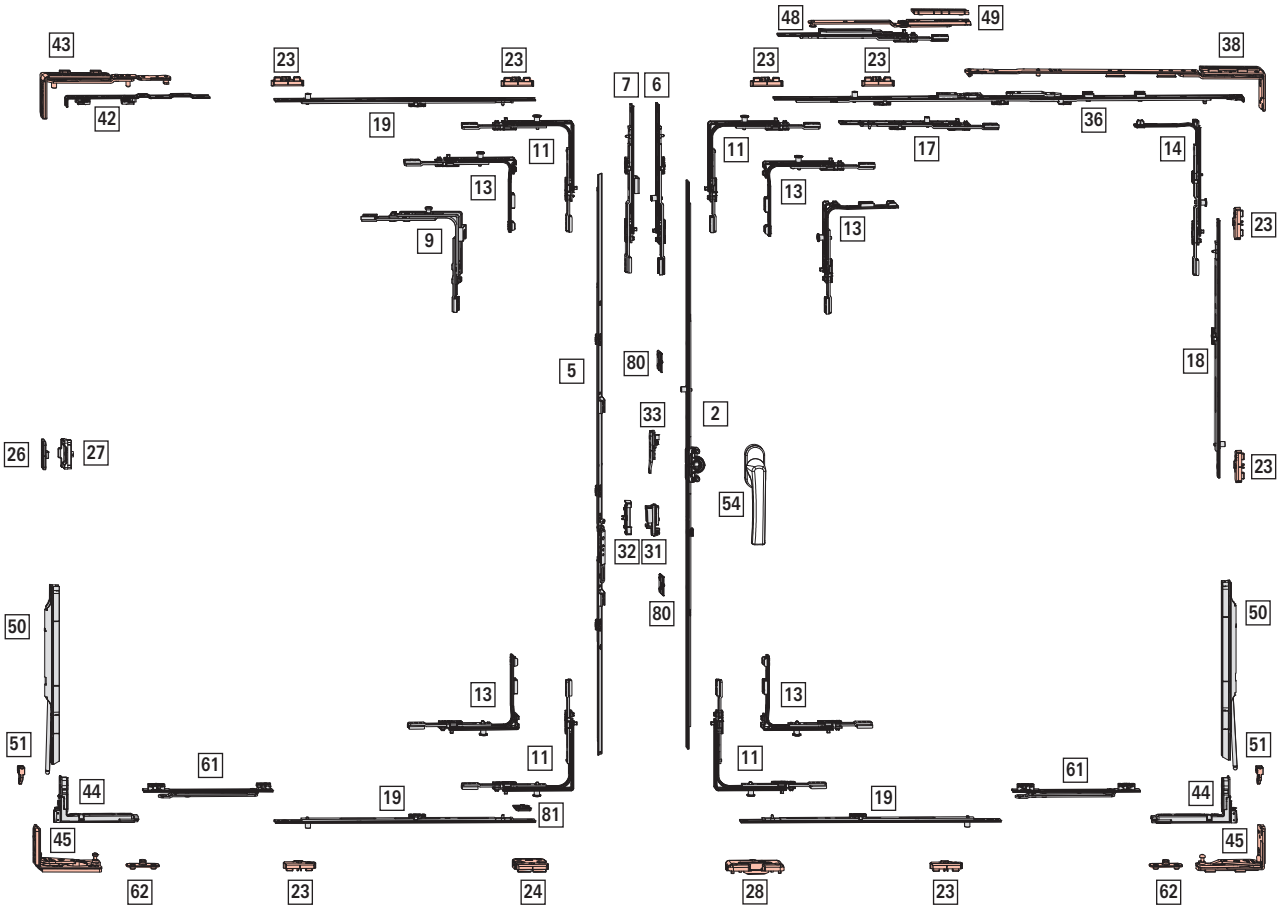
**[80] Fastening plate**

| | № |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with T&T espagnolette 259717.

## 4.2.5 Floating-mullion hardware

### 4.2.5.1 Standard – basic security



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 370 – 1750 mm | **SRW**: 600 – 1750 mm |
| **SRH**: 370 – 3000 mm | **SRH**: 1000 – 3000 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

**INFO**

SRW 370 – 450 mm from SRH 451 mm

First opening sash

SRH 370 – 450 mm from SRW 451 mm

Second opening sash

SRH 370 – 520 mm from SRW 451 mm

**[2] T&T espagnolette – centred / variable handle height**, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | E | 259719 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | E | 259720 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | E | 259721 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | E | 795389 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | E | 795392 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

**[5] Floating-mullion espagnolette – centred / variable handle height**, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 431 – 620 | 194 – 289 | 400 | N | N | – | 2007128 |
| 621 – 800 | 290 – 379 | 680 | Y | N | 1 | 2007129 |
| 801 – 1200 | 380 – 579 | 980 | Y | N | 1 | 2007130 |
| 1001 – 1400 | 480 – 679 | 1180 | Y | N | 1 | 2007131 |
| 1201 – 1600 | 580 – 779 | 1380 | Y | N | 2 | 2007132 |
| 1601 – 2000 | 780 – 979 | 1780 | Y | Y | 2 | 2007133 |
| 2001 – 2400 | 980 – 1179 | 2180 | Y | Y | 4 | 2007134 |

**[6] Centre lock, multipart**, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | – | – | 308267 |
| 400 | Y | 1 | E | 280346 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | – | 308267 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |

**[7] Centre lock, multipart – floating mullion**, (SRH ≥ 2401 mm)

| | | | № |
|---|---|---|---|
| 200 | Y | – | 308267 |
| 400 | Y | 1 | 280345 |
| 600 | Y | 1 | 280331 |

Size-specific combinations:

| | | | № |
|---|---|---|---|
| 2401 – 2600 | 200 KU | – | 308267 |
| 2601 – 2800 | 400 KU | 1 | 280345 |
| 2801 – 3000 | 600 KU | 1 | 280331 |

**[9] Floating-mullion corner drive with security striker**

| | | | | | № |
|---|---|---|---|---|---|
| Second opening sash | Top | 1 | 1 | V | 313538 |

For use on the second opening sash:

if the SRW on the first opening sash is ≤ 450 mm

**INFO**

SRW 370 – 415 mm: crop the corner drive at the top.

**[11] Standard corner drive**

| | | | № |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

**[13] Special short corner drive**

| | | | № |
|---|---|---|---|
| 1 | E | Top | 260280 |
| 1 | P | Top<br>Bottom | 260282 |

For use with (→ *5.1.2.1 "Possible combinations" from page 168*):

First opening sash:

SRH ≤ 450 mm, SRW ≤ 450 mm

Second opening sash:

SRH ≤ 520 mm and 621 – 650 mm

**INFO**

SRW 370 – 415 mm: For Turn-Only sashes, crop the top corner drive.

**[14] Sash stay corner drive**

| | | № |
|---|---|---|
| 1 | P | 260286 |

## INFO

With SRH 285 – 330 mm, crop the sash stay corner drive (to do so, extend the connecting rod fully).

### [17] Centre lock, multipart – standard, horizontal – top

| | | # | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |

Size-specific combinations:

| | | # | | № |
|---|---|---|---|---|
| 1601 – 1750 | 200 KU | 1 | E | 450821 |

### [18] Multipart centre lock – standard, vertical

| | | # | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

**Without load transfer**

| | | # | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | P | 255280 |

**With load transfer**

| | | # | | № |
|---|---|---|---|---|
| 1000 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

### [19] Multipart centre lock – standard, horizontal

| | | # | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

| | | | # | | № |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| – | 801 – 850 | 200 | 1 | P | 255284 |
| 801 – 1200 | 851 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| 1601 – 1750 | 1601 – 1750 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | E | 255280 |

### [23] Striker → *from page 192*

### [24] Security striker → *from page 194*

## INFO

Lever-operated espagnolette, standard: A left second opening sash with asymmetrical strikers always requires right strikers horizontally at the bottom – and vice versa.

### [26] Concealed centre closer frame component → CTL_105

### [27] Concealed centre closer sash component → CTL_105

### [28] Tilt striker → *from page 185*

### [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

### [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

### [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

### [36] Stay guide – basic security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

### [38] Stay arm → *from page 174*

### [42] Rebate stay guide

| | | № |
|---|---|---|
| For Turn-Only sashes | 220 / 15 | 2005701 |

### [43] Rebate stay arm → *from page 181*

### [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

### [45] Pivot rest → *from page 183*

### [48] Additional stay arm (SRW ≥ 1401 mm)

| | | № |
|---|---|---|
| Frame and sash component | 200 | 255237 |

### [49] Packer → *from page 200*

### [50] Load transfer sash component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

### [51] Load transfer frame component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

### [54] Handle → CTL_1

### [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**Alternatively**

| | № |
|---|---|
| Turn restrictor 355 | 2037236 |

For use with:

SRW ≥ 600 mm

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

### [62] Turn restrictor frame component → *from page 205*

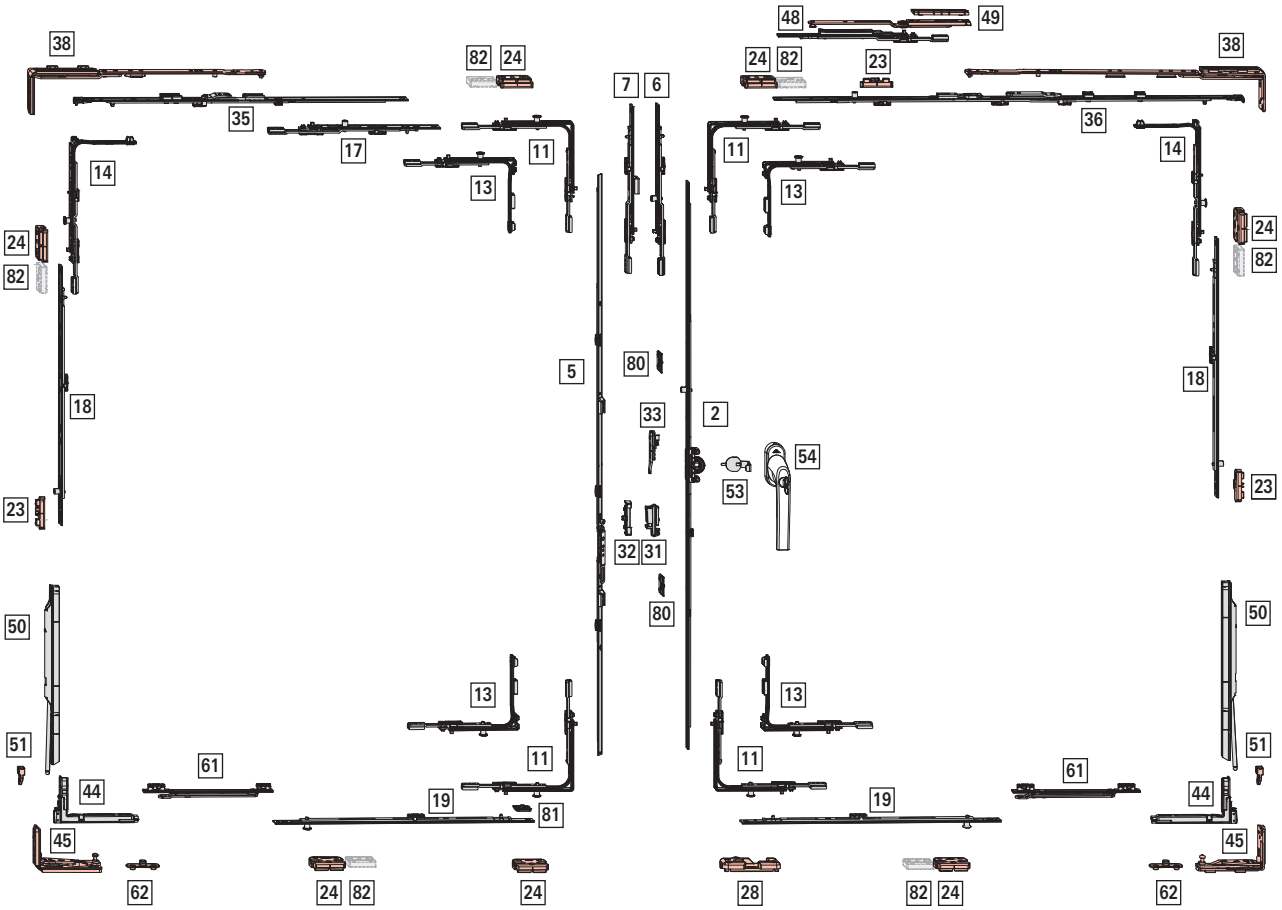
### [80] Fastening plate

| | № |
|---|---|
| Fastening plate with cam | 255211 |

### [81] Run-up block

The run-up block depends on the striker used.

### 4.2.5.2 Standard – RC 1 N



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1600 mm | **SRW**: 650 – 1600 mm |
| **SRH**: 370 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

### [2] T&T espagnolette – centred / variable handle height, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | E | 259719 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | E | 259720 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | E | 259721 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | E | 795389 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | E | 795392 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

### [5] Floating-mullion espagnolette – centred / variable handle height, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 431 – 620 | 194 – 289 | 400 | N | N | – | 2007128 |
| 621 – 800 | 290 – 379 | 680 | Y | N | 1 | 2007129 |
| 801 – 1200 | 380 – 579 | 980 | Y | N | 1 | 2007130 |
| 1001 – 1400 | 480 – 679 | 1180 | Y | N | 1 | 2007131 |
| 1201 – 1600 | 580 – 779 | 1380 | Y | N | 2 | 2007132 |
| 1601 – 2000 | 780 – 979 | 1780 | Y | Y | 2 | 2007133 |
| 2001 – 2400 | 980 – 1179 | 2180 | Y | Y | 4 | 2007134 |

### [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |
| 400 | Y | 1 | E | 280346 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | E | 450821 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |

### [7] Centre lock, multipart – floating mullion, (SRH ≥ 2401 mm)

| | | | № |
|---|---|---|---|
| 200 | Y | 1 | 450822 |
| 400 | Y | 1 | 280345 |

Size-specific combinations:

| | | | № |
|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | 450822 |
| 2601 – 2800 | 400 KU | 1 | 280345 |

### [11] Standard corner drive

| | | № |
|---|---|---|
| 1 | P | 260277 |

### [13] Special short corner drive

| | | № |
|---|---|---|
| 1 | P | 260282 |

For use with (→ *from page 168*):

First opening sash:

SRH ≤ 450 mm

Second opening sash:

SRH ≤ 520 mm and 621 – 650 mm

### [14] Sash stay corner drive

| | | № |
|---|---|---|
| 1 | P | 260286 |

### [17] Centre lock, multipart – standard, horizontal – top, Turn-Only sash

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |
| 400 | Y | 1 | E | 280346 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 711 – 910 | 200 KU | 1 | E | 450821 |
| 911 – 1110 | 400 KU | 1 | E | 280346 |
| 1111 – 1310 | 600 KU | 1 | E | 255282 |
| 1311 – 1510 | 600 KU | 1 | E | 255282 |
| | 200 KU | 1 | E | 450821 |
| 1511 – 1600 | 600 KU | 1 | E | 255282 |
| | 400 KU | 1 | E | 280346 |

### [18] Multipart centre lock – standard, vertical

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | P | 622880 |
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

**Without load transfer**

| | | | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255281 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

| | | | | |
|---|---|---|---|---|
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

### With load transfer

| | | | | |
|---|---|---|---|---|
| 1001 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |

## [19] Multipart centre lock – security, horizontal

| | | | | |
|---|---|---|---|---|
| 200 | N | 1 | P | 255284 |
| 400 | N | 1 | P | 255285 |
| 600 | N | 1 | P | 255286 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | | | |
|---|---|---|---|---|---|
| 450 – 650 | 651 – 850 | 200 | 1 | P | 255284 |
| 651 – 850 | 851 – 1050 | 400 | 1 | P | 255285 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | P | 255286 |
| – | 1251 – 1450 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| – | 1451 – 1600 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | P | 255285 |

## [23] Striker → *from page 192*

## [24] Security striker → *from page 194*

**INFO**
Lever-operated espagnolette, standard: A left second opening sash with asymmetrical strikers always requires right strikers horizontally at the bottom – and vice versa.

## [28] Tilt striker → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [34] Lifting mishandling device frame component → *from page 203*

## [35] Turn-Only sash stay guide – basic security

| | | | |
|---|---|---|---|
| 411 – 600 | 250 | 490 | 2005279 |
| 511 – 710 | 250 | 600 | 2005280 |

## [36] Stay guide – basic security

| | | | | | |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

**[45] Pivot rest** → *from page 183*

**[48] Additional stay arm** (SRW ≥ 1401 mm)

| | | № |
|---|---|---|
| Frame and sash component | 200 | 255237 |

**[49] Packer** → *from page 200*

**[50] Load transfer sash component** (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

**[51] Load transfer frame component** (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

**[53] Drilling protection**

| | № |
|---|---|
| Drilling protection | 797819 |

**[54] Handle**, lockable → CTL_1

**[61] Turn restrictor 195 sash component**

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

**[62] Turn restrictor frame component** → *from page 205*

**[80] Fastening plate**

| | № |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with T&T espagnolette 259717.

**[81] Run-up block**

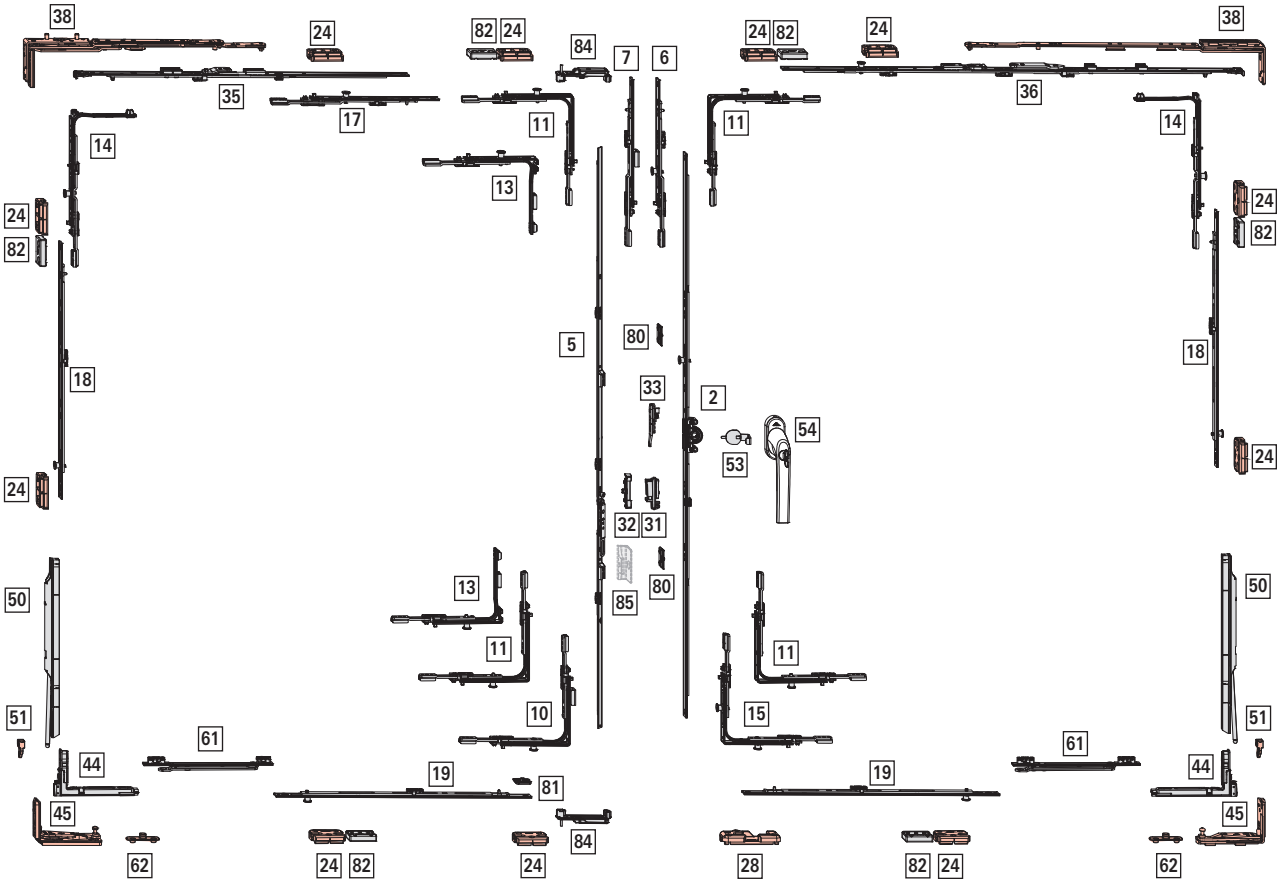
The run-up block depends on the striker used.

### Optional

**[82] Anti-jemmy device**

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

### 4.2.5.3 Standard – RC 2 / RC 2 N



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1400 mm | **SRW**: 650 – 1400 mm |
| **SRH**: 520 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

#### [2] T&T espagnolette – centred / variable handle height, backset 15 mm

| | | | | # | | № |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | V | 355743 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | V | 355744 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | V | 355745 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | V | 795390 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | V | 795393 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

#### [5] Floating-mullion espagnolette – centred / variable handle height, backset 15 mm

| | | | | | # | № |
|---|---|---|---|---|---|---|
| 431 – 620 | 194 – 289 | 400 | N | N | – | 2007128 |
| 621 – 800 | 290 – 379 | 680 | Y | N | 1 | 2007129 |
| 801 – 1200 | 380 – 579 | 980 | Y | N | 1 | 2007130 |
| 1001 – 1400 | 480 – 679 | 1180 | Y | N | 1 | 2007131 |
| 1201 – 1600 | 580 – 779 | 1380 | Y | N | 2 | 2007132 |
| 1601 – 2000 | 780 – 979 | 1780 | Y | Y | 2 | 2007133 |
| 2001 – 2400 | 980 – 1179 | 2180 | Y | Y | 4 | 2007134 |

#### [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | # | | № |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

Size-specific combinations:

| | | # | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | V | 337708 |
| 2601 – 2800 | 400 KU | 1 | V | 337710 |

#### [7] Centre lock, multipart – floating mullion, (SRH ≥ 2401 mm)

| | | # | № |
|---|---|---|---|
| 200 | Y | 1 | 450822 |
| 400 | Y | 1 | 280345 |

Size-specific combinations:

| | | # | № |
|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | 450822 |
| 2601 – 2800 | 400 KU | 1 | 280345 |

#### [10] Floating mullion corner drive

| | | # | # | | № |
|---|---|---|---|---|---|
| Second opening sash | Bottom | 1 | 1 | V | 367227 |

For use with:

SRH ≤ 620 mm

#### [11] Standard corner drive

| # | | № |
|---|---|---|
| 1 | V | 260272 |

#### [13] Special short corner drive

| # | | № |
|---|---|---|
| 1 | V | 281288 |

For use with (→ *from page 168*):

Second opening sash: SRH 621 – 650 mm

#### [14] Sash stay corner drive

| # | | № |
|---|---|---|
| 1 | V | 260284 |

#### [15] Corner drive, standard (security)

| # | | № |
|---|---|---|
| 2 | V | 260274 |

For use with:

SRH ≤ 620 mm

#### [17] Centre lock, multipart – security, horizontal – top, Turn-Only sash

| | | # | | № |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| | | # | | № |
|---|---|---|---|---|
| 711 – 910 | 200 KU | 1 | V | 337708 |
| 911 – 1110 | 400 KU | 1 | V | 337710 |
| 1111 – 1310 | 600 KU | 1 | V | 337711 |
| 1311 – 1400 | 600 KU | 1 | V | 337711 |
| | 200 KU | 1 | V | 337708 |

#### [18] Multipart centre lock – security, vertical

| | | # | | № |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| | | | # | | № |
|---|---|---|---|---|---|
| Without load transfer | With load transfer | | | | |
| 520 – 650 | – | 200 | 1 | V | 296853 |
| 651 – 850 | 1000 – 1150 | 400 | 1 | V | 296854 |
| 851 – 1050 | 1151 – 1350 | 600 [38] | 1 | V | 296855 |

[38] Without load transfer: crop CL by 15 mm up to SRH 861

| Without load transfer | With load transfer | | | | Nº |
|---|---|---|---|---|---|
| 1051 – 1250 | 1351 – 1550 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1251 – 1450 | 1551 – 1750 | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 1451 – 1650 | 1751 – 1950 | 600 KU | 1 | V | 337711 |
| | | 600 [39] | 1 | V | 296855 |
| 1651 – 1850 | 1951 – 2150 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1851 – 2050 | 2151 – 2350 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2051 – 2250 | 2351 – 2550 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [40] | 1 | V | 296855 |
| 2251 – 2450 | 2551 – 2750 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 2451 – 2650 | 2751 – 2800 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2651 – 2800 | – | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [41] | 1 | V | 296855 |

## [19] Multipart centre lock – security, horizontal

| | | | | Nº |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | | | Nº |
|---|---|---|---|---|---|
| 450 – 650 | 650 – 850 | 200 | 1 | V | 296853 |
| 651 – 850 | 851 – 1050 | 400 | 1 | V | 296854 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | V | 296855 |
| – | 1251 – 1400 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |

## [24] Security striker → *from page 194*

**INFO**
Lever-operated espagnolette, standard: A left second opening sash with asymmetrical strikers always requires right strikers horizontally at the bottom – and vice versa.

## [28] Tilt striker → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | Nº |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | Nº |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [35] Turn-Only sash stay guide – security

| | | | Nº |
|---|---|---|---|
| 411 – 600 | 250 | 490 | 2005279 |
| 511 – 710 | 250 | 600 | 2005280 |

## [36] Stay guide – security

| | | | | | Nº |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | V | 2005276 |
| 1001 – 1200 | 500 | 1090 | 1 | V | 2005277 |
| 1201 – 1400 | 500 | 1290 | 1 | V | 2005278 |

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | Nº |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [50] Load transfer sash component (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | Nº |
|---|---|
| max. 180 kg | 2005293 |

[39] Without load transfer: crop CL by 15 mm up to SRH 1461

[40] Without load transfer: crop CL by 15 mm up to SRH 2061

[41] Without load transfer: crop CL by 15 mm up to SRH 2661

**[51] Load transfer frame component**
(SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

**[53] Drilling protection**

| | № |
|---|---|
| Drilling protection | 797819 |

**[54] Handle**, lockable → CTL_1

**[61] Turn restrictor 195 sash component**

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 650 mm, mandatory for SRW > 1000 mm and when load transfer is used.

**[62] Turn restrictor frame component** → *from page 205*

**[80] Fastening plate**

| | № |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with T&T espagnolette 259717.

**[81] Run-up block**
The run-up block depends on the striker used.

**[82] Anti-jemmy device**

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

**[84] Safety device for floating-mullion sashes**

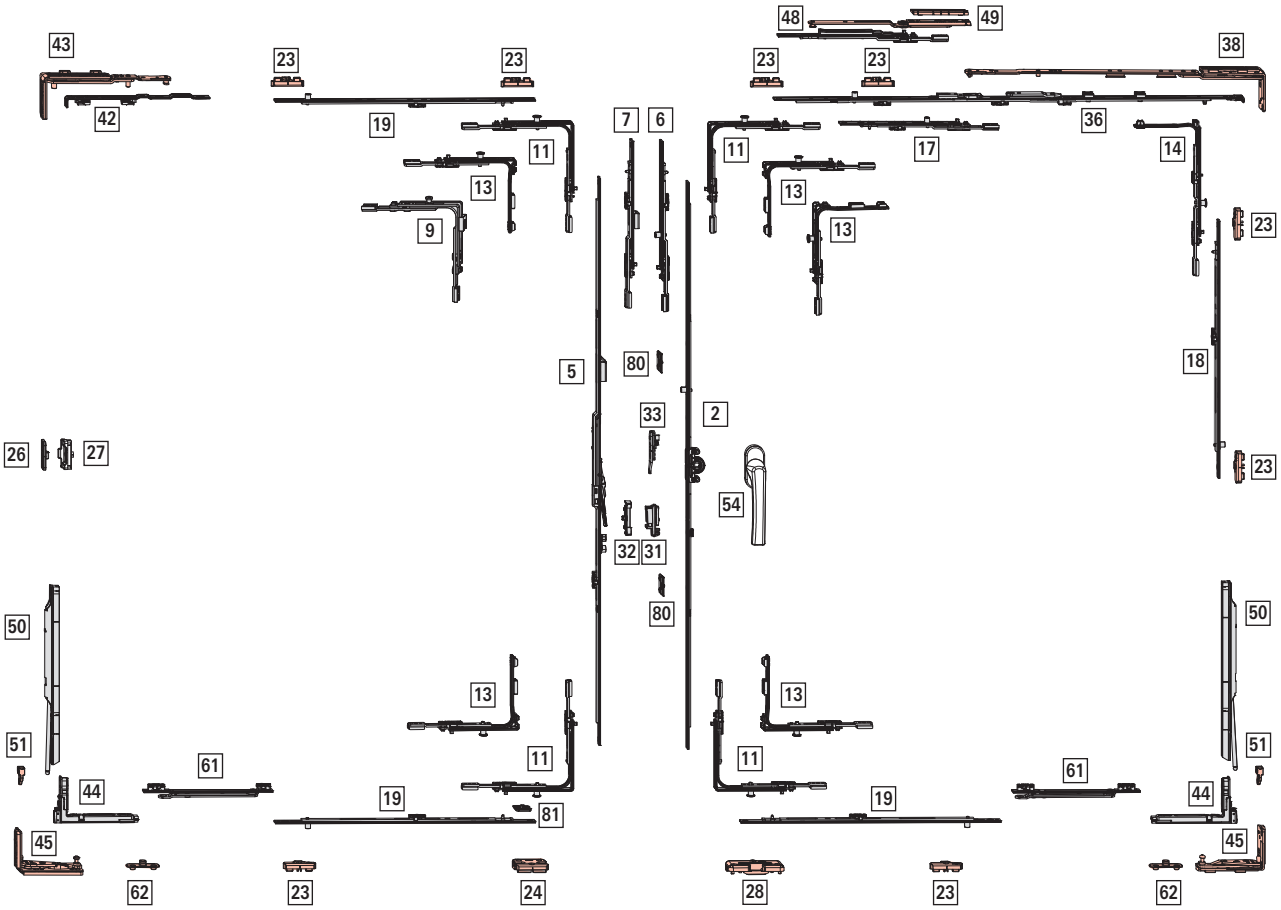
| | № |
|---|---|
| Retaining element for floating-mullion sash | 552392 |

**Optional**

**[85] Retainer clasp**

| | № |
|---|---|
| Retainer clasp for lever-operated espagnolette, standard | 314203 |

### 4.2.5.4 Plus – basic security



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 370 – 1750 mm | **SRW**: 600 – 1750 mm |
| **SRH**: 420 – 3000 mm | **SRH**: 1000 – 3000 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

**INFO**
SRH 420 mm from SRW 451 mm
SRW 370 mm from SRH 451 mm

**[2] T&T espagnolette – centred / variable handle height**, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | E | 259719 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | E | 259720 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | E | 259721 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | E | 795389 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | E | 795392 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

**[5] Floating-mullion espagnolette, Plus – centred / variable handle height**, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 431 – 620 | 194 – 289 | 400 | N | N | – | 2007128 |
| 621 – 800 | 290 – 379 | 680 | Y | N | 1 | 2007129 |
| 801 – 1200 | 380 – 579 | 980 | Y | N | 1 | 2007130 |
| 1001 – 1400 | 480 – 679 | 1180 | Y | N | 1 | 2007131 |
| 1201 – 1600 | 580 – 779 | 1380 | Y | N | 2 | 2007132 |
| 1601 – 2000 | 780 – 979 | 1780 | Y | Y | 2 | 2007133 |
| 2001 – 2400 | 980 – 1179 | 2180 | Y | Y | 4 | 2007134 |

**[6] Centre lock, multipart**, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | – | – | 308267 |
| 400 | Y | 1 | E | 280346 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | – | 308267 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |

**[7] Centre lock, multipart – floating mullion**, (SRH ≥ 2401 mm)

| | | | № |
|---|---|---|---|
| 200 | Y | – | 308267 |
| 400 | Y | 1 | 280345 |
| 600 | Y | 1 | 280331 |

Size-specific combinations:

| | | | № |
|---|---|---|---|
| 2401 – 2600 | 200 KU | – | 308267 |
| 2601 – 2800 | 400 KU | 1 | 280345 |
| 2801 – 3000 | 600 KU | 1 | 280331 |

**[9] Floating-mullion corner drive with security striker**

| | | | | | № |
|---|---|---|---|---|---|
| Second opening sash | Top | 1 | 1 | V | 313538 |

**INFO**
SRW 370 – 415 mm: crop the corner drive at the top.

For use on the second opening sash:

if the SRW on the first opening sash is ≤ 450 mm

**[11] Standard corner drive**

| | | | № |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

**[13] Special short corner drive**

| | | | № |
|---|---|---|---|
| 1 | E | Top | 260280 |
| 1 | P | Top<br>Bottom | 260282 |

For use with (→ *5.2.2.1 "Possible combinations" from page 172*):

First opening sash:

SRH ≤ 450 mm, SRW ≤ 450 mm

Second opening sash:

SRH ≤ 520 mm and 621 – 700 mm

**[14] Sash stay corner drive**

| | | № |
|---|---|---|
| 1 | P | 260286 |

**INFO**
With SRH 285 – 330 mm, crop the sash stay corner drive (to do so, extend the connecting rod fully).

**[17] Centre lock, multipart – standard, horizontal** – top

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 1601 – 1750 | 200 KU | 1 | E | 450821 |

## [18] Multipart centre lock – standard, vertical

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

### Without load transfer

| | | | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | P | 255280 |

### With load transfer

| | | | | № |
|---|---|---|---|---|
| 1000 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2801 – 3000 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

## [19] Multipart centre lock – standard, horizontal

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | | | № |
|---|---|---|---|---|---|
| – | 801 – 850 | 200 | 1 | P | 255284 |
| 801 – 1200 | 851 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| 1601 – 1750 | 1601 – 1750 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | E | 255280 |

## [23] Striker → *from page 192*

## [24] Security striker → *from page 194*

## [26] Concealed centre closer frame component → CTL_105

## [27] Concealed centre closer sash component → CTL_105

## [28] Tilt striker → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

### [36] Stay guide – basic security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

### [38] Stay arm → *from page 174*

### [42] Rebate stay guide

| | | № |
|---|---|---|
| For Turn-Only sashes | 220 / 15 | 2005701 |

### [43] Rebate stay arm → *from page 181*

### [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

### [45] Pivot rest → *from page 183*

### [48] Additional stay arm (SRW ≥ 1401 mm)

| | | № |
|---|---|---|
| Frame and sash component | 200 | 255237 |

### [49] Packer → *from page 200*

### [50] Load transfer sash component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

### [51] Load transfer frame component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

### [54] Handle → CTL_1

### [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**Alternatively**

| | № |
|---|---|
| Turn restrictor 355 | 2037236 |

For use with:

SRW ≥ 600 mm

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

### [62] Turn restrictor frame component → *from page 205*

### [80] Fastening plate

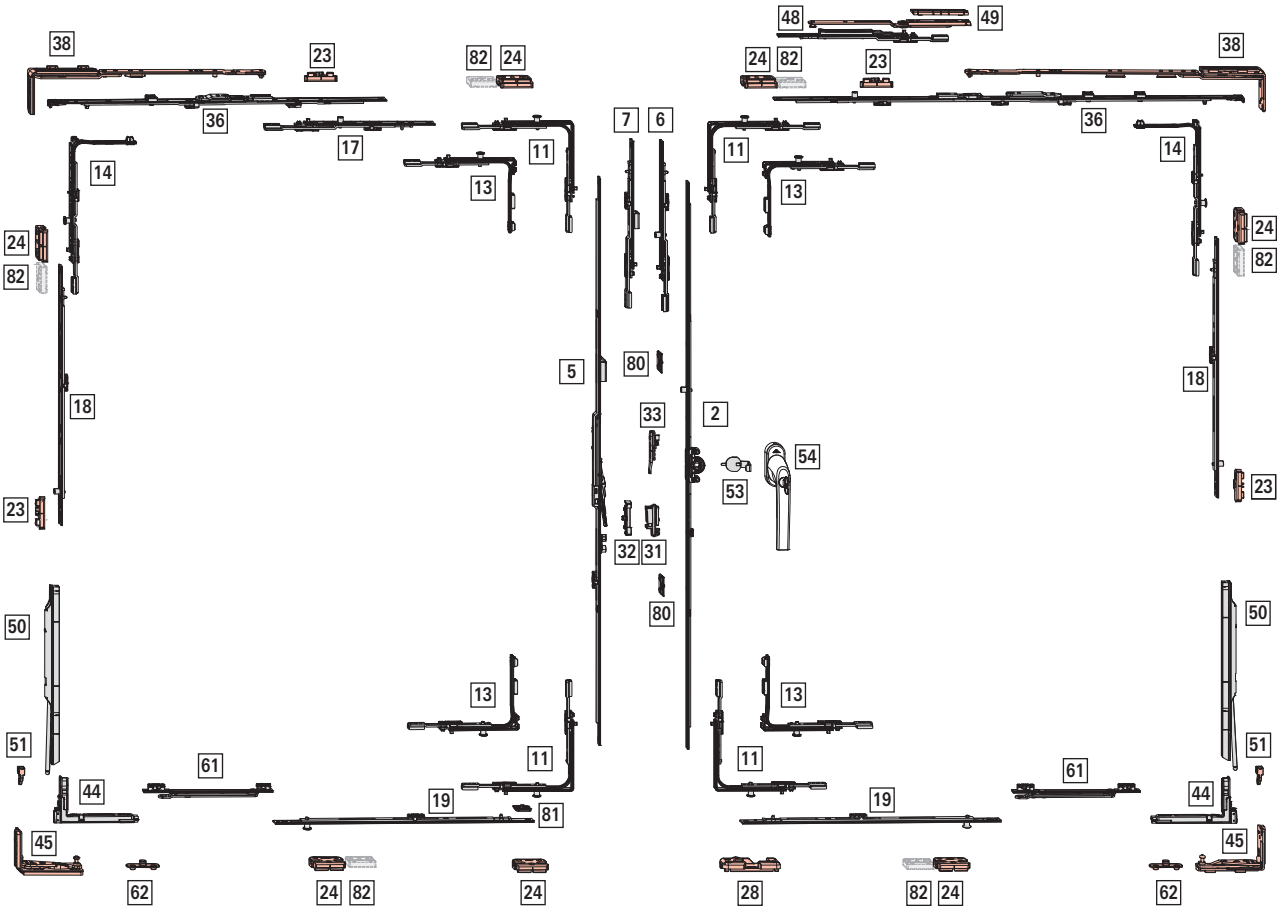
| | № |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with T&T espagnolette 259717.

### [81] Run-up block

The run-up block depends on the striker used.

### 4.2.5.5 Plus – RC 1 N



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1600 mm | **SRW**: 600 – 1600 mm |
| **SRH**: 420 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

### [2] T&T espagnolette – centred / variable handle height, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | E | 259719 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | E | 259720 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | E | 259721 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | E | 795389 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | E | 795392 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

### [5] Floating-mullion espagnolette, Plus – centred / variable handle height, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 431 – 620 | 194 – 289 | 400 | N | N | – | 2007128 |
| 621 – 800 | 290 – 379 | 680 | Y | N | 1 | 2007129 |
| 801 – 1200 | 380 – 579 | 980 | Y | N | 1 | 2007130 |
| 1001 – 1400 | 480 – 679 | 1180 | Y | N | 1 | 2007131 |
| 1201 – 1600 | 580 – 779 | 1380 | Y | N | 2 | 2007132 |
| 1601 – 2000 | 780 – 979 | 1780 | Y | Y | 2 | 2007133 |
| 2001 – 2400 | 980 – 1179 | 2180 | Y | Y | 4 | 2007134 |

### [6] Centre lock, multipart, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |
| 400 | Y | 1 | E | 280346 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | E | 450821 |
| 2601 – 2800 | 400 KU | 1 | E | 280346 |

### [7] Centre lock, multipart – floating mullion, (SRH ≥ 2401 mm)

| | | | № |
|---|---|---|---|
| 200 | Y | 1 | 450822 |
| 400 | Y | 1 | 280345 |

Size-specific combinations:

| | | | № |
|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | 450822 |
| 2601 – 2800 | 400 KU | 1 | 280345 |

### [11] Standard corner drive

| | | № |
|---|---|---|
| 1 | P | 260277 |

### [13] Special short corner drive

| | | № |
|---|---|---|
| 1 | P | 260282 |

For use with (→ *5.2.2.1 "Possible combinations" from page 172*):

First opening sash:

SRH ≤ 450 mm

Second opening sash:

SRH ≤ 520 mm and 621 – 700 mm

### [14] Sash stay corner drive

| | | № |
|---|---|---|
| 1 | P | 260286 |

### [17] Centre lock, multipart – standard, horizontal – top, Turn-Only sash

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | E | 450821 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 1401 – 1600 | 200 KU | 1 | E | 450821 |

### [18] Multipart centre lock – standard, vertical

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 600 | N | 1 | E | 255281 |
| 600 | Y | 1 | E | 255282 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

#### Without load transfer

| | | | | № |
|---|---|---|---|---|
| 801 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255281 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |

### With load transfer

| | | | | № |
|---|---|---|---|---|
| 1001 – 1200 | 400 | 1 | E | 255280 |
| 1201 – 1400 | 600 | 1 | E | 255281 |
| 1401 – 1600 | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 1601 – 1800 | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 1801 – 2000 | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2001 – 2200 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |
| 2201 – 2400 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 400 | 1 | E | 255280 |
| 2401 – 2600 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 | 1 | E | 255281 |
| 2601 – 2800 | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 600 KU | 1 | E | 255282 |
| | 200 | 1 | P | 255284 |

### [19] Multipart centre lock – security, horizontal

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | P | 255284 |
| 400 | N | 1 | P | 255285 |
| 600 | N | 1 | P | 255286 |
| 600 | Y | 1 | E | 255282 |

Size-specific combinations:

| | | | | | № |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| 450 – 650 | 650 – 850 | 200 | 1 | P | 255284 |
| 651 – 850 | 851 – 1050 | 400 | 1 | P | 255285 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | P | 255286 |
| – | 1251 – 1450 | 600 KU | 1 | E | 255282 |
| | | 200 | 1 | P | 255284 |
| – | 1451 – 1600 | 600 KU | 1 | E | 255282 |
| | | 400 | 1 | P | 255285 |

### [23] Striker → *from page 192*

### [24] Security striker → *from page 194*

### [28] Tilt striker → *from page 185*

### [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

### [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

### [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

### [36] Stay guide – basic security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | E | 2005273 |
| 1001 – 1200 | 500 | 1090 | 1 | E | 2005274 |
| 1201 – 1400 | 500 | 1290 | 1 | E | 2005275 |

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

### [38] Stay arm → *from page 174*

### [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

### [45] Pivot rest → *from page 183*

### [48] Additional stay arm (SRW ≥ 1401 mm)

| | | № |
|---|---|---|
| Frame and sash component | 200 | 255237 |

### [49] Packer → *from page 200*

### [50] Load transfer sash component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

### [51] Load transfer frame component (SRW ≥ 600 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

### [53] Drilling protection

| | № |
|---|---|
| Drilling protection | 797819 |

### [54] Handle, lockable → CTL_1

### [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

## INFO

Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

### [62] Turn restrictor frame component → *from page 205*

### [80] Fastening plate

| | № |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with T&T espagnolette 259717.

### [81] Run-up block

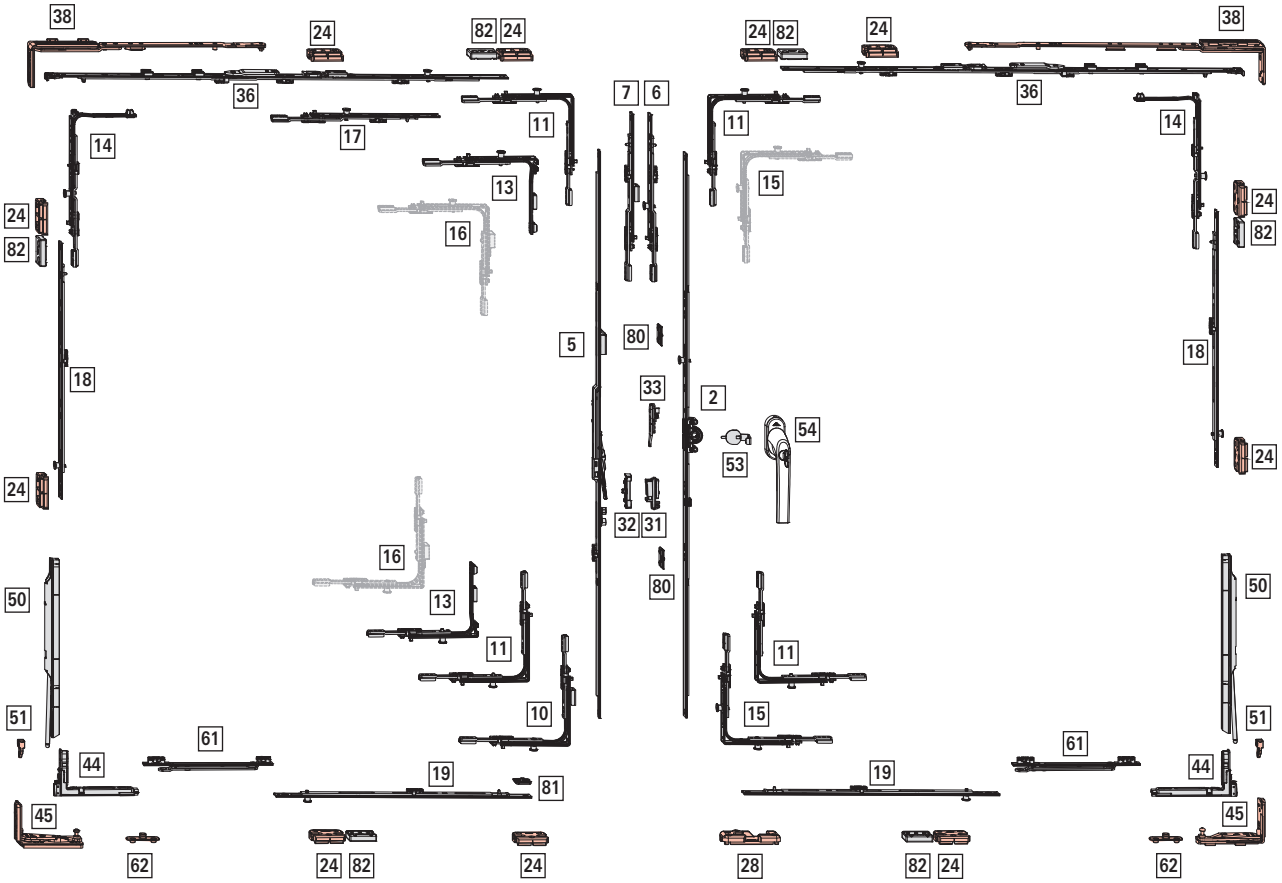
The run-up block depends on the striker used.

**Optional**

### [82] Anti-jemmy device

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

### 4.2.5.6 Plus – RC 2 / RC 2 N



### Application range

| Without load transfer | With load transfer |
|---|---|
| **SRW**: 450 – 1400 mm | **SRW**: 650 – 1400 mm |
| **SRH**: 520 – 2800 mm | **SRH**: 1000 – 2800 mm |
| **S.kg**: max. 120 kg | **S.kg**: max. 150 kg |

**[2] T&T espagnolette – centred / variable handle height**, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 310 – 620 | 155 – 225 | 430 | N | – | – | 259717 |
| 621 – 800 | 311 – 400 | 580 | Y | 1 | V | 355743 |
| 801 – 1200 | 401 – 600 | 980 | Y | 1 | V | 355744 |
| 1201 – 1600 | 601 – 800 | 1380 | Y | 2 | V | 355745 |
| 1601 – 2000 | 801 – 1000 | 1780 | Y | 2 | V | 795390 |
| 2001 – 2400 | 1001 – 1200 | 2180 | Y | 4 | V | 795393 |

T&T espagnolette 259717 must be secured with two fastening plates 255211.

**[5] Floating-mullion espagnolette, Plus – centred / variable handle height**, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 431 – 620 | 194 – 289 | 400 | N | N | – | 2007128 |
| 621 – 800 | 290 – 379 | 680 | Y | N | 1 | 2007129 |
| 801 – 1200 | 380 – 579 | 980 | Y | N | 1 | 2007130 |
| 1001 – 1400 | 480 – 679 | 1180 | Y | N | 1 | 2007131 |
| 1201 – 1600 | 580 – 779 | 1380 | Y | N | 2 | 2007132 |
| 1601 – 2000 | 780 – 979 | 1780 | Y | Y | 2 | 2007133 |
| 2001 – 2400 | 980 – 1179 | 2180 | Y | Y | 4 | 2007134 |

**[6] Centre lock, multipart**, (SRH ≥ 2401 mm)

| | | | | № |
|---|---|---|---|---|
| 200 | Y | 1 | V | 337708 |
| 400 | Y | 1 | V | 337710 |

Size-specific combinations:

| | | | | № |
|---|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | V | 337708 |
| 2601 – 2800 | 400 KU | 1 | V | 337710 |

**[7] Centre lock, multipart – floating mullion**, (SRH ≥ 2401 mm)

| | | | № |
|---|---|---|---|
| 200 | Y | 1 | 450822 |
| 400 | Y | 1 | 280345 |

Size-specific combinations:

| | | | № |
|---|---|---|---|
| 2401 – 2600 | 200 KU | 1 | 450822 |
| 2601 – 2800 | 400 KU | 1 | 280345 |

**[10] Floating mullion corner drive**

| | | | | | № |
|---|---|---|---|---|---|
| Second opening sash | Bottom | 1 | 1 | V | 367227 |

For use with:

SRH ≤ 620 mm

**[11] Standard corner drive**

| | | № |
|---|---|---|
| 1 | V | 260272 |

**[13] Special short corner drive**

| | | № |
|---|---|---|
| 1 | V | 281288 |

Use → *5.2.2.1 "Possible combinations" from page 172*

Second opening sash: SRH 621 – 700 mm

**[14] Sash stay corner drive**

| | | № |
|---|---|---|
| 1 | V | 260284 |

**[15] Corner drive, standard (security)**

| | | № |
|---|---|---|
| 2 | V | 260274 |

For use with:

SRH ≤ 620 mm

**[18] Multipart centre lock – security, vertical**

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without load transfer | With load transfer | | | | № |
|---|---|---|---|---|---|
| 520 – 650 | – | 200 | 1 | V | 296853 |
| 651 – 850 | 1000 – 1150 | 400 | 1 | V | 296854 |
| 851 – 1050 | 1151 – 1350 | 600 [42] | 1 | V | 296855 |
| 1051 – 1250 | 1351 – 1550 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 1251 – 1450 | 1551 – 1750 | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 1451 – 1650 | 1751 – 1950 | 600 KU | 1 | V | 337711 |
| | | 600 [43] | 1 | V | 296855 |
| 1651 – 1850 | 1951 – 2150 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |

[42] Without load transfer: crop CL by 15 mm up to SRH 861

[43] Without load transfer: crop CL by 15 mm up to SRH 1461

| Without load transfer | With load transfer | | | | № |
|---|---|---|---|---|---|
| 1851 – 2050 | 2151 – 2350 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2051 – 2250 | 2351 – 2550 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [44] | 1 | V | 296855 |
| 2251 – 2450 | 2551 – 2750 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |
| 2451 – 2650 | 2751 – 2800 | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 400 | 1 | V | 296854 |
| 2651 – 2800 | – | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 KU | 1 | V | 337711 |
| | | 600 [45] | 1 | V | 296855 |

## [19] Multipart centre lock – security, horizontal

| | | | | № |
|---|---|---|---|---|
| 200 | N | 1 | V | 296853 |
| 400 | N | 1 | V | 296854 |
| 600 | N | 1 | V | 296855 |
| 600 | Y | 1 | V | 337711 |

Size-specific combinations:

| Without turn restrictor | With turn restrictor | | | | № |
|---|---|---|---|---|---|
| 450 – 650 | 650 – 850 | 200 | 1 | V | 296853 |
| 651 – 850 | 851 – 1050 | 400 | 1 | V | 296854 |
| 851 – 1000 | 1051 – 1250 | 600 | 1 | V | 296855 |
| – | 1251 – 1400 | 600 KU | 1 | V | 337711 |
| | | 200 | 1 | V | 296853 |

## [24] Security striker → *from page 194*

## [28] Tilt striker → *from page 185*

## [31] Bullet catch sash component (optional SRH ≥ 1601 mm)

| | № |
|---|---|
| Bullet catch sash component | 788363 |

## [32] Bullet-catch frame component (optional SRH ≥ 1601 mm) → *from page 201*

## [33] Lifting mishandling device sash component

| | № |
|---|---|
| Lifting mishandling device sash component | 795927 |

## [36] Stay guide – security

| | | | | | № |
|---|---|---|---|---|---|
| 340 – 600 | 250 | 490 | – | – | 2005271 |
| 601 – 800 | 350 | 690 | – | – | 2005272 |
| 801 – 1000 | 500 | 890 | 1 | V | 2005276 |
| 1001 – 1200 | 500 | 1090 | 1 | V | 2005277 |
| 1201 – 1400 | 500 | 1290 | 1 | V | 2005278 |

## [38] Stay arm → *from page 174*

## [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

## [45] Pivot rest → *from page 183*

## [50] Load transfer sash component (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005293 |

## [51] Load transfer frame component (SRW ≥ 650 mm, SRH ≥ 1000 mm)

| | № |
|---|---|
| max. 180 kg | 2005292 |

## [53] Drilling protection

| | № |
|---|---|
| Drilling protection | 797819 |

## [54] Handle, lockable → CTL_1

## [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 650 mm, mandatory for SRW > 1000 mm and when load transfer is used.

## [62] Turn restrictor frame component → *from page 205*

## [80] Fastening plate

| | № |
|---|---|
| Fastening plate with cam | 255211 |

Can only be used in combination with T&T espagnolette 259717.

[44] Without load transfer: crop CL by 15 mm up to SRH 2061

[45] Without load transfer: crop CL by 15 mm up to SRH 2661

## [81] Run-up block→ CTL_105

The run-up block depends on the striker used.

## [82] Anti-jemmy device

| | | № |
|---|---|---|
| Anti-jemmy device | From rebate depth 26 mm | 811715 |

**Optional**

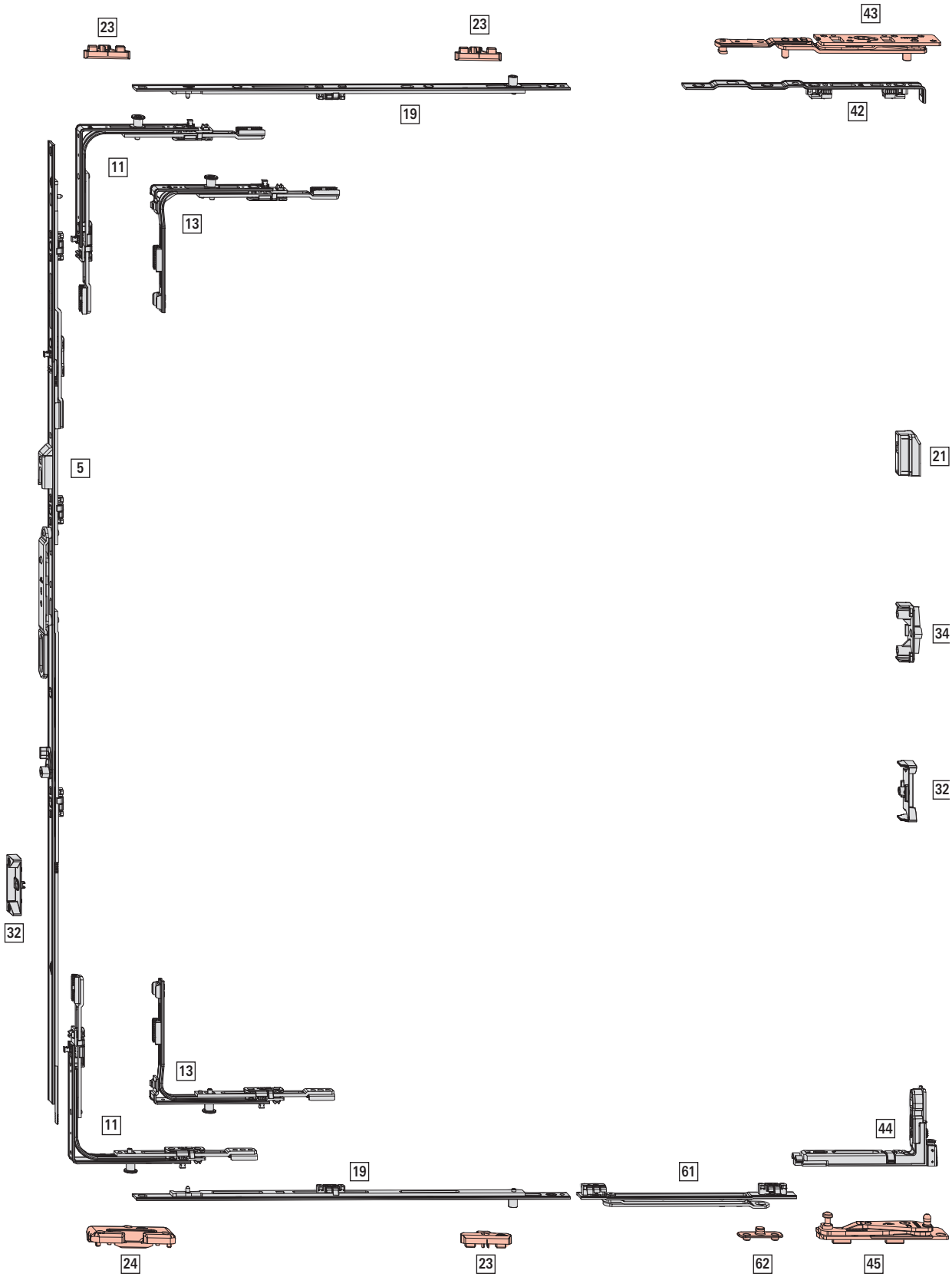
## [16] Corner drive, slide guard

| | | | | № |
|---|---|---|---|---|
| Second opening sash / slide guard | Top | 1 | V | 839223 |
| | Bottom | 1 | V | 839224 |

When using a corner drive with a slide guard, a standard corner drive (RC 3) is required on the first opening sash.

## 4.2.6 Floating-mullion hardware – centre sash

### 4.2.6.1 Standard – basic security



### Application range

**SRW**: 370 – 1200 mm

**SRH**: 370 – 1800 mm

**S.kg**: max. 80 kg

#### [5] Floating-mullion espagnolette – centred / variable handle height, backset 15 mm

| | | | | | # | № |
|---|---|---|---|---|---|---|
| 431 – 620 | 225 – 350 | 500 | N | N | – | 233418 |
| 621 – 800 | 393 – 482 | 630 | Y | N | 1 | 763125 |
| 801 – 1200 | 482 – 682 | 980 | Y | N | 1 | 763126 |
| 1201 – 1600 | 448 – 658 | 1380 | Y | N | 2 | 763127 |
| 1601 – 2000 | 680 – 880 | 1780 | Y | Y | 2 | 795482 |

#### [11] Standard corner drive

| # | | | № |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

#### [13] Special short corner drive

| # | | № |
|---|---|---|
| 1 | E | 260280 |
| 1 | P | 260282 |

For use with (→ *5.1.2.1 "Possible combinations" from page 168*):

SRH ≤ 520 mm and 621 – 650 mm

#### [19] Multipart centre lock – standard, horizontal

| | | # | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

| | | | # | | № |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| – | 801 – 850 | 200 | 1 | P | 255284 |
| 801 – 1200 | 851 – 1200 | 400 | 1 | E | 255280 |

#### [21] Striker for opposite hardware groove

| | | № |
|---|---|---|
| Striker for opposite hardware groove | Screw-on | 328253 |

#### [23] Striker → *from page 192*

#### [24] Security striker → *from page 194*

#### [32] Bullet catch (optional SRH ≥ 1601 mm)

| | | № |
|---|---|---|
| Bullet catch for opposite hardware groove | Screw-on | 788507 |

#### [34] Lifting mishandling device frame component → *from page 203*

| | | № |
|---|---|---|
| Lifting mishandling device for opposite hardware groove | Screw-on | 260539 |

#### [42] Rebate stay guide

| | | № |
|---|---|---|
| For Turn-Only sashes | 220 / 15 | 2005701 |

#### [43] Rebate stay arm → *from page 181*

#### [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

#### [45] Pivot rest → *from page 183*

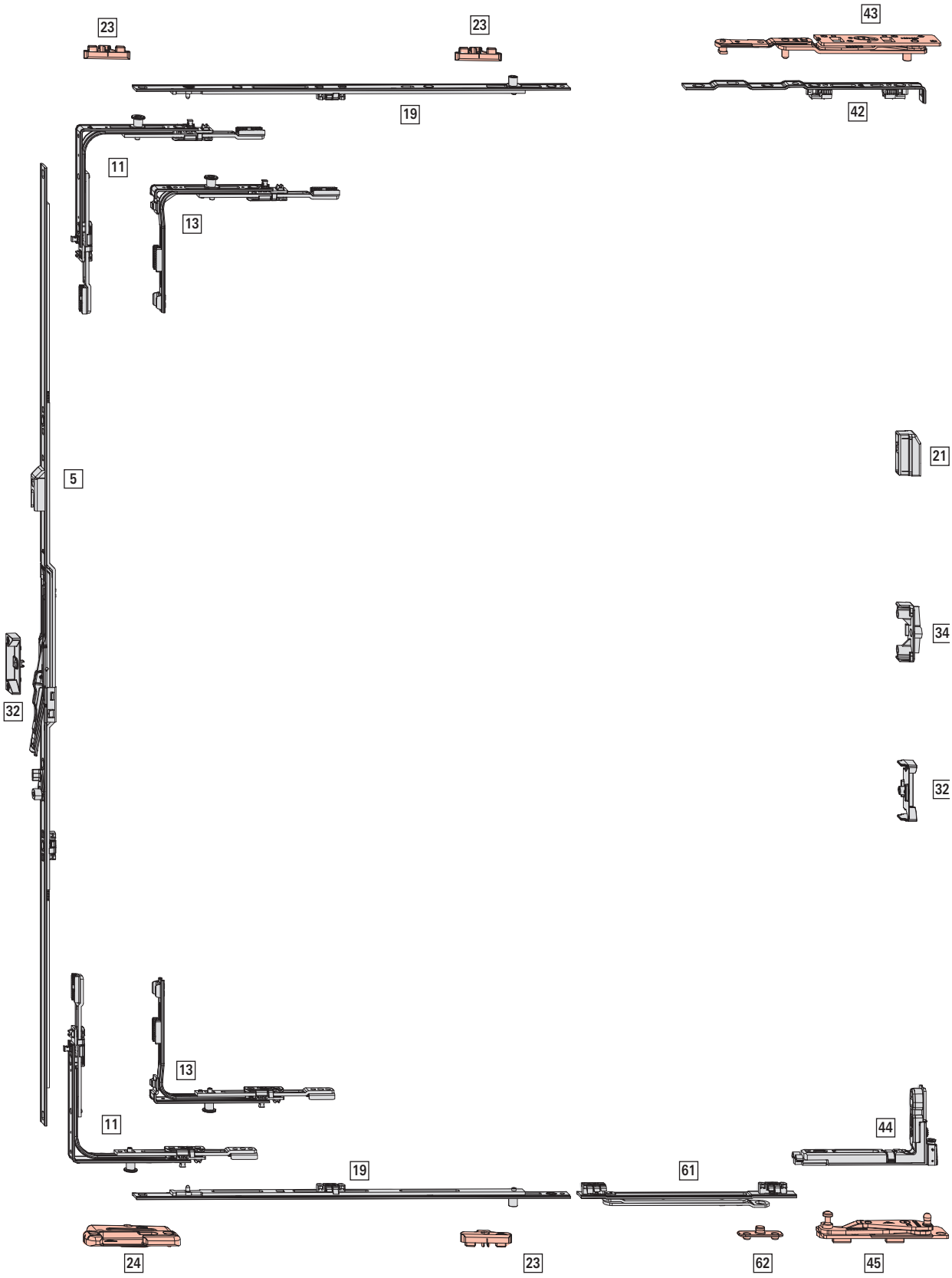
#### [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

#### [62] Turn restrictor frame component → *from page 205*

## 4.2.6.2 Plus – basic security



### Application range

**SRW**: 370 – 1200 mm

**SRH**: 420 – 1800 mm

**S.kg**: max. 80 kg

#### [5] Floating-mullion espagnolette, Plus – centred / variable handle height, backset 15 mm

| | | | | | | № |
|---|---|---|---|---|---|---|
| 431 – 620 | 194 – 289 | 400 | N | N | – | 2007128 |
| 621 – 800 | 290 – 379 | 680 | Y | N | 1 | 2007129 |
| 801 – 1200 | 380 – 579 | 980 | Y | N | 1 | 2007130 |
| 1001 – 1400 | 480 – 679 | 1180 | Y | N | 1 | 2007131 |
| 1201 – 1600 | 580 – 779 | 1380 | Y | N | 2 | 2007132 |
| 1601 – 2000 | 780 – 979 | 1780 | Y | Y | 2 | 2007133 |

#### [11] Standard corner drive

| | | | № |
|---|---|---|---|
| 1 | E | Top | 260275 |
| 1 | P | Top<br>Bottom | 260277 |

#### [13] Special short corner drive

| | | № |
|---|---|---|
| 1 | E | 260280 |
| 1 | P | 260282 |

For use with (→ *5.2.2.1 "Possible combinations" from page 172*):

SRH ≤ 520 mm and 621 – 700 mm

#### [19] Multipart centre lock – standard, horizontal

| | | | | № |
|---|---|---|---|---|
| 400 | N | 1 | E | 255280 |
| 200 | N | 1 | P | 255284 |

Size-specific combinations:

| | | | | | № |
|---|---|---|---|---|---|
| Without turn restrictor | With turn restrictor | | | | |
| – | 801 – 850 | 200 | 1 | P | 255284 |
| 801 – 1200 | 851 – 1200 | 400 | 1 | E | 255280 |

#### [21] Striker for opposite hardware groove

| | | № |
|---|---|---|
| Striker for opposite hardware groove | Screw-on | 328253 |

#### [23] Striker → *from page 192*

#### [24] Security striker → *from page 194*

#### [32] Bullet catch (optional SRH ≥ 1601 mm)

| | | № |
|---|---|---|
| Bullet catch for opposite hardware groove | Screw-on | 788507 |

#### [34] Lifting mishandling device frame component → *from page 203*

| | | № |
|---|---|---|
| Lifting mishandling device for opposite hardware groove | Screw-on | 260539 |

#### [42] Rebate stay guide

| | | № |
|---|---|---|
| For Turn-Only sashes | 220 / 15 | 2005701 |

#### [43] Rebate stay arm → *from page 181*

#### [44] Corner hinge

| | | № |
|---|---|---|
| 12/18-13<br>12/20-13 | Left | 2005290 |
| 12/18-13<br>12/20-13 | Right | 2005291 |

#### [45] Pivot rest → *from page 183*

#### [61] Turn restrictor 195 sash component

| | № |
|---|---|
| Turn restrictor 195 | 2005294 |

**INFO**
Turn restrictor possible from SRW 525 mm, mandatory for SRW > 1000 mm and when load transfer is used.

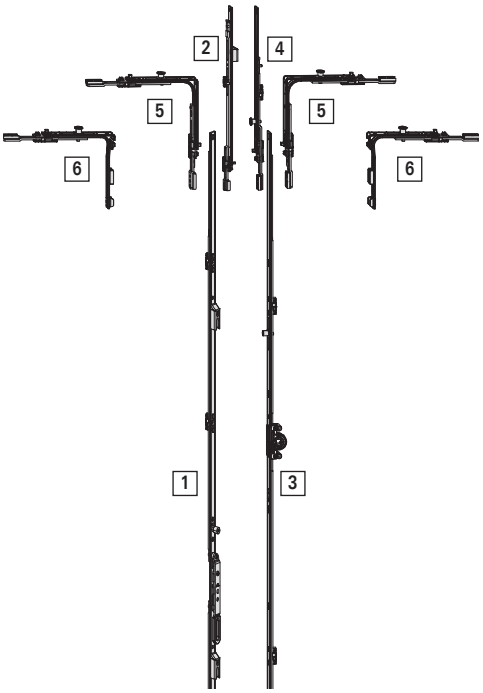
#### [62] Turn restrictor frame component → *from page 205*

# 5 T&T espagnolette / floating-mullion sash espagnolette

## 5.1 Standard

### 5.1.1 VT – fixed handle height

#### 5.1.1.1 Possible combinations




| Assignment | Meaning |
|---|---|
| [1] | Lever-operated espagnolette Standard, VT |
| [2] | Floating-mullion centre lock |
| [3] | T&T espagnolette, VT – fixed handle height |
| [4] | Centre lock, standard |
| [5] | Corner drive, standard |
| [6] | Special corner drive, short |

**Determining the espagnolettes**

1. Determine the element's sash rebate height (SRH).

> **INFO**
> Refer to the tables below for possible combinations and the required corner drive [5] + [6].

2. Select the lever-operated espagnolette Standard, VT [1] using the *sash rebate height (SRH)* and *length of the component*.

   **Optional:** determine the floating-mullion centre lock [2].

3. Select the T&T espagnolette, VT – fixed handle height [3] using the *length of the component*.
   - T&T espagnolette, VT – fixed handle height, backset 8 mm
   - T&T espagnolette, VT – fixed handle height, backset 15 mm
   - T&T espagnolette, VT – fixed handle height, backset 25, 30, 35, 40, 45, 50 mm

   **Optional:** determine the centre lock, standard [4] .

Backset 8 mm

| Application range | Lever-operated espagnolette, standard VT | | | T&T espagnolette, VT | | | |
|---|---|---|---|---|---|---|---|
| SRH | Component length | Toggle lever position | Corner drive type | Component length | Handle height | LMD | Corner drive type |
| 431 – 510 | 600 | 233 | Special corner drive, short | 490 | 120 | N | Corner drive, standard |
| 511 – 600 | | | Corner drive, standard | 600 | 170 | N | Corner drive, standard |
| 601 – 800 | 690 | 325 | Corner drive, standard | 690 | 263 | N | Corner drive, standard |
| 801 – 1000 | 890 | 335 | Corner drive, standard | 890 | 413 | Y | Corner drive, standard |
| 1001 – 1200 | 1090 | 335 | Corner drive, standard | 1090 | 513 | Y | Corner drive, standard |
| 1201 – 1400 | 1290 | 335 | Corner drive, standard | 1290 | 563 | Y | Corner drive, standard |
| 1401 – 1600 | 1490 | 335 | Corner drive, standard | 1490 | 563 | Y | Corner drive, standard |
| 1601 – 1800 | 1690 | 335 | Corner drive, standard | 1690 | 563 / 1000 | Y | Corner drive, standard |
| 1801 – 2000 | 1890 | 640 | Corner drive, standard | 1890 | 1000 | Y | Corner drive, standard |
| 2001 – 2200 | 2090 | 640 | Corner drive, standard | 2090 | 1000 | Y | Corner drive, standard |
| 2201 – 2400 | 2290 | 640 | Corner drive, standard | 2290 | 1000 | Y | Corner drive, standard |

**INFO**
A centre lock is required from SRH 2401 mm.

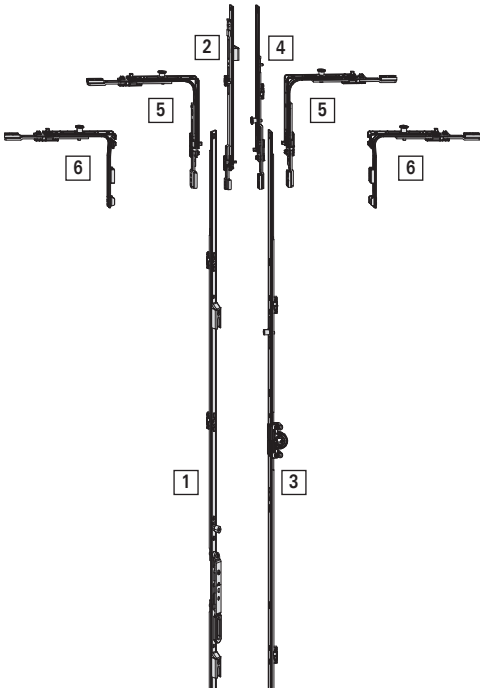
Backset of 15 mm and above

| Application range | Lever-operated espagnolette Standard, VT | | | T&T espagnolette, VT | | | |
|---|---|---|---|---|---|---|---|
| SRH | Component length | Toggle lever position | Corner drive type | Component length | Handle height | LMD | Corner drive type |
| 280 – 370 | 445 | 156 | Special corner drive, short | 460 | 120 | N | Special corner drive, short |
| 371 – 555 | | | Corner drive, standard | 460 | 120 | N | Corner drive, standard |
| 431 – 510 | 600 | 195 | Special corner drive, short | 460 | 120 | N | Corner drive, standard |
| 511 – 600 | | | Corner drive, standard | 600 | 170 | Y | Corner drive, standard |
| 601 – 800 | 690 | 300 | Corner drive, standard | 690 | 263 | Y | Corner drive, standard |
| 801 – 1000 | 890 | 490 | Corner drive, standard | 890 | 413 | Y | Corner drive, standard |
| 1001 – 1200 | 1090 | 335 | Corner drive, standard | 1090 | 513 | Y | Corner drive, standard |
| 1201 – 1400 | 1290 | 335 | Corner drive, standard | 1290 | 563 | Y | Corner drive, standard |
| 1401 – 1600 | 1490 | 335 | Corner drive, standard | 1490 | 563 | Y | Corner drive, standard |
| 1601 – 1800 | 1690 | 335 | Corner drive, standard | 1690 | 563 / 1000 | Y | Corner drive, standard |
| 1801 – 2000 | 1890 | 640 | Corner drive, standard | 1890 | 1000 | Y | Corner drive, standard |
| 2001 – 2200 | 2090 | 640 | Corner drive, standard | 2090 | 1000 | Y | Corner drive, standard |
| 2201 – 2400 | 2290 | 640 | Corner drive, standard | 2290 | 1000 | Y | Corner drive, standard |

**INFO**
A centre lock is required from SRH 2401 mm.

## 5.1.2 Centred / variable handle height

### 5.1.2.1 Possible combinations




| Assignment | Meaning |
|---|---|
| [1] | Lever-operated espagnolette, standard |
| [2] | Floating-mullion centre lock |
| [3] | T&T espagnolette – centred / variable handle height |
| [4] | Centre lock, standard |
| [5] | Corner drive, standard |
| [6] | Special corner drive, short |

**Determining the espagnolettes**

1. Determine the element's sash rebate height (SRH).

> **INFO**
> Refer to the tables below for possible combinations and the required corner drive [5] + [6].

2. Select the lever-operated espagnolette, standard [1] using the *sash rebate height (SRH)* and *length of the component*.

   **Optional:** determine the floating-mullion centre lock [2].

3. Select the T&T espagnolette – centred / variable handle height [3] using the *length of the component*.
   - ☐ T&T espagnolette – centred / variable handle height, backset 8 mm
   - ☐ T&T espagnolette – centred / variable handle height, backset 15 mm
   - ☐ T&T espagnolette – centred / variable handle height, backset 25, 30, 35, 40, 45, 50 mm

   **Optional:** determine the centre lock, standard [4].

Backset 8 mm

| Application range | Lever-operated espagnolette, standard | | | T&T espagnolette | | | |
|---|---|---|---|---|---|---|---|
| SRH | Component length | Toggle lever position | Corner drive type | Component length | Handle height | LMD | Corner drive type |
| 621 – 800 | 680 | 235 – 275 | Special corner drive, short | 800 | 311 – 510 | N | Corner drive, standard |
| 801 – 900 | | 276 – 335 | Corner drive, standard | 980 | 351 – 400 | N | Corner drive, standard |
| 901 – 1200 | 980 | 249 – 448 | Corner drive, standard | | 401 – 600 | Y | Corner drive, standard |
| 1201 – 1600 | 1380 | 448 – 658 | Corner drive, standard | 1380 | 601 – 800 | Y | Corner drive, standard |
| 1601 – 2000 | 1780 | 680 – 880 | Corner drive, standard | 1780 | 801 – 1000 | Y | Corner drive, standard |
| 2001 – 2400 | 2180 | 880 – 1080 | Corner drive, standard | 2180 | 1001 – 1200 | Y | Corner drive, standard |

**INFO**
A centre lock is required from SRH 2401 mm.

Backset of 15 mm and above

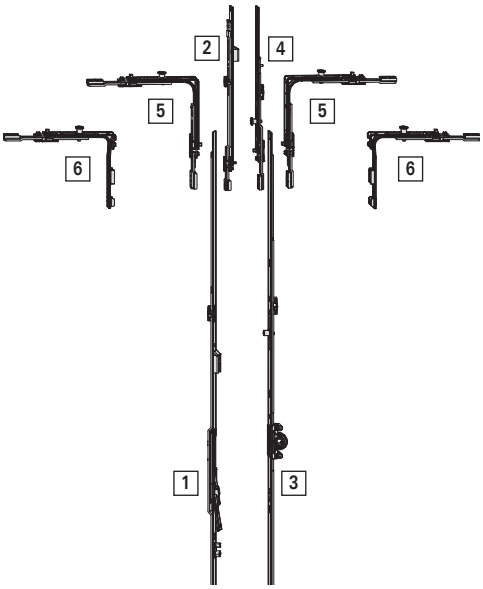
| Application range | Lever-operated espagnolette, standard | | | T&T espagnolette | | | |
|---|---|---|---|---|---|---|---|
| SRH | Component length | Toggle lever position | Corner drive type | Component length | Handle height | LMD | Corner drive type |
| 370 – 450 | 400 | 255 – 265 | Special corner drive, short | 430 | 215 – 225 | N | Special corner drive, short |
| 451 – 520 | | 266 – 300 | Special corner drive, short | | 226 – 260 | N | Corner drive, standard |
| 521 – 620 | | 301 – 350 | Corner drive, standard | | 261 – 310 | N | Corner drive, standard |
| 621 – 650 | 680 | 393 – 407 | Special corner drive, short | 580 | 311 – 400 | Y | Corner drive, standard |
| 651 – 800 | | 408 – 482 | Corner drive, standard | | | | |
| 801 – 1200 | 980 | 482 – 682 | Corner drive, standard | 980 | 401 – 600 | Y | Corner drive, standard |
| 1201 – 1600 | 1380 | 448 – 648 | Corner drive, standard | 1380 | 601 – 800 | Y | Corner drive, standard |
| 1601 – 2000 | 1780 | 680 – 880 | Corner drive, standard | 1780 | 801 – 1000 | Y | Corner drive, standard |
| 2001 – 2400 | 2180 | 880 – 1080 | Corner drive, standard | 2180 | 1001 – 1200 | Y | Corner drive, standard |

**INFO**
A centre lock is required from SRH 2401 mm.

# 5.2 Plus

## 5.2.1 VT – fixed handle height

### 5.2.1.1 Possible combinations




| Assignment | Meaning |
|---|---|
| [1] | Lever-operated espagnolette Plus, VT |
| [2] | Floating-mullion centre lock |
| [3] | T&T espagnolette, VT – fixed handle height |
| [4] | Centre lock, standard |
| [5] | Corner drive, standard |
| [6] | Special corner drive, short |

**Determining the espagnolettes**

1. Determine the element's sash rebate height (SRH).

> **INFO**
> Refer to the tables below for possible combinations and the required corner drive [5] + [6].

2. Select the lever-operated espagnolette Plus, VT [1] using the *sash rebate height (SRH)* and *length of the component*.

   **Optional:** determine the floating-mullion centre lock [2].

3. Select the T&T espagnolette, VT – fixed handle height [3] using the *length of the component*.
   - ☐ T&T espagnolette, VT – fixed handle height, backset 8 mm
   - ☐ T&T espagnolette, VT – fixed handle height, backset 15 mm
   - ☐ T&T espagnolette, VT – fixed handle height, backset 25, 30, 35, 40, 45, 50 mm

   **Optional:** determine the centre lock, standard [4].

Backset 8 mm

| Application range | Lever-operated espagnolette Plus, VT | | | T&T espagnolette, VT | | | |
|---|---|---|---|---|---|---|---|
| SRH | Component length | Toggle lever position | Corner drive type | Component length | Handle height | LMD | Corner drive type |
| 431 – 510 | 600 | 233 | Special corner drive, short | 490 | 120 | N | Corner drive, standard |
| 511 – 600 | | | Corner drive, standard | 600 | 170 | N | Corner drive, standard |
| 601 – 800 | 690 | 325 | Corner drive, standard | 690 | 263 | N | Corner drive, standard |
| 801 – 1000 | 890 | 335 | Corner drive, standard | 890 | 413 | Y | Corner drive, standard |
| 1001 – 1200 | 1090 | 335 | Corner drive, standard | 1090 | 513 | Y | Corner drive, standard |
| 1201 – 1400 | 1290 | 335 | Corner drive, standard | 1290 | 563 | Y | Corner drive, standard |
| 1401 – 1600 | 1490 | 335 | Corner drive, standard | 1490 | 563 | Y | Corner drive, standard |
| 1601 – 1800 | 1690 | 335 | Corner drive, standard | 1690 | 563 / 1000 | Y | Corner drive, standard |
| 1801 – 2000 | 1890 | 640 | Corner drive, standard | 1890 | 1000 | Y | Corner drive, standard |
| 2001 – 2200 | 2090 | 640 | Corner drive, standard | 2090 | 1000 | Y | Corner drive, standard |
| 2201 – 2400 | 2290 | 640 | Corner drive, standard | 2290 | 1000 | Y | Corner drive, standard |

**INFO**
A centre lock is required from SRH 2401 mm.

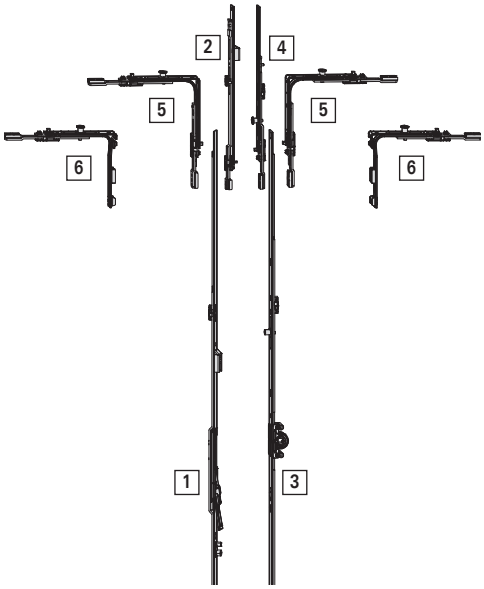
Backset of 15 mm and above

| Application range | Lever-operated espagnolette Plus, VT | | | T&T espagnolette, VT | | | |
|---|---|---|---|---|---|---|---|
| SRH | Component length | Toggle lever position | Corner drive type | Component length | Handle height | LMD | Corner drive type |
| 431 – 510 | 600 | 195 | Special corner drive, short | 460 | 120 | N | Corner drive, standard |
| 511 – 600 | | | Corner drive, standard | 600 | 170 | Y | Corner drive, standard |
| 601 – 800 | 690 | 300 | Corner drive, standard | 690 | 263 | Y | Corner drive, standard |
| 801 – 1000 | 890 | 490 | Corner drive, standard | 890 | 413 | Y | Corner drive, standard |
| 1001 – 1200 | 1090 | 335 | Corner drive, standard | 1090 | 513 | Y | Corner drive, standard |
| 1201 – 1400 | 1290 | 335 | Corner drive, standard | 1290 | 563 | Y | Corner drive, standard |
| 1401 – 1600 | 1490 | 335 | Corner drive, standard | 1490 | 563 | Y | Corner drive, standard |
| 1601 – 1800 | 1690 | 335 | Corner drive, standard | 1690 | 563 / 1000 | Y | Corner drive, standard |
| 1801 – 2000 | 1890 | 640 | Corner drive, standard | 1890 | 1000 | Y | Corner drive, standard |
| 2001 – 2200 | 2090 | 640 | Corner drive, standard | 2090 | 1000 | Y | Corner drive, standard |
| 2201 – 2400 | 2290 | 640 | Corner drive, standard | 2290 | 1000 | Y | Corner drive, standard |

**INFO**
A centre lock is required from SRH 2401 mm.

## 5.2.2 Centred / variable handle height

### 5.2.2.1 Possible combinations




| Assignment | Meaning |
|---|---|
| [1] | Lever-operated espagnolette Plus |
| [2] | Floating-mullion centre lock |
| [3] | T&T espagnolette – centred / variable handle height |
| [4] | Centre lock, standard |
| [5] | Corner drive, standard |
| [6] | Special corner drive, short |

**Determining the espagnolettes**

1. Determine the element's sash rebate height (SRH).

> **INFO**
> Refer to the tables below for possible combinations and the required corner drive [5] + [6].

2. Select the lever-operated espagnolette Plus [1] using the *sash rebate height (SRH)* and *length of the component*.
   **Optional:** determine the floating-mullion centre lock [2].

3. Select the T&T espagnolette – centred / variable handle height [3] using the *length of the component*.
   - ☐ T&T espagnolette – centred / variable handle height, backset 8 mm
   - ☐ T&T espagnolette – centred / variable handle height, backset 15 mm
   - ☐ T&T espagnolette – centred / variable handle height, backset 25, 30, 35, 40, 45, 50 mm

   **Optional:** determine the centre lock, standard [4].

Backset 8 mm

| Application range | Lever-operated espagnolette Plus | | | T&T espagnolette | | | |
|---|---|---|---|---|---|---|---|
| SRH | Component length | Toggle lever position | Corner drive type | Component length | Handle height | LMD | Corner drive type |
| 431 – 520 | 400 | 194 – 239 | Special corner drive, short | 500 | 215 – 260 | N | Special corner drive, short |
| 521 – 620 | | 240 – 289 | Corner drive, standard | | 261 – 310 | N | Corner drive, standard |
| 621 – 720 | 680 | 290 – 329 | Special corner drive, short | 800 | 311 – 510 | Y | Corner drive, standard |
| 721 – 800 | | 330 – 379 | Corner drive, standard | | | | |
| 801 – 1200 | 980 | 380 – 579 | Corner drive, standard | 980 | 401 – 600 | Y | Corner drive, standard |
| 1201 – 1600 | 1380 | 580 – 779 | Corner drive, standard | 1380 | 601 – 800 | Y | Corner drive, standard |
| 1601 – 2000 | 1780 | 780 – 979 | Corner drive, standard | 1780 | 801 – 1000 | Y | Corner drive, standard |
| 2001 – 2400 | 2180 | 980 – 1179 | Corner drive, standard | 2180 | 1001 – 1200 | Y | Corner drive, standard |

**INFO**
A centre lock is required from SRH 2401 mm.

Backset of 15 mm and above

| Application range | Lever-operated espagnolette Plus | | | T&T espagnolette | | | |
|---|---|---|---|---|---|---|---|
| SRH | Component length | Toggle lever position | Corner drive type | Component length | Handle height | LMD | Corner drive type |
| 420 – 450 | 400 | 194 – 204 | Special corner drive, short | 430 | 215 – 225 | N | Special corner drive, short |
| 451 – 520 | | 205 – 239 | Special corner drive, short | | 226 – 260 | N | Corner drive, standard |
| 521 – 620 | | 240 – 289 | Corner drive, standard | | 261 – 310 | N | Corner drive, standard |
| 621 – 700 | 680 | 290 – 329 | Special corner drive, short | 580 | 311 – 400 | Y | Corner drive, standard |
| 701 – 800 | | 330 – 379 | Corner drive, standard | | | | |
| 801 – 1200 | 980 | 380 – 579 | Corner drive, standard | 980 | 401 – 600 | Y | Corner drive, standard |
| 1201 – 1600 | 1380 | 580 – 779 | Corner drive, standard | 1380 | 601 – 800 | Y | Corner drive, standard |
| 1601 – 2000 | 1780 | 780 – 979 | Corner drive, standard | 1780 | 801 – 1000 | Y | Corner drive, standard |
| 2001 – 2400 | 2180 | 980 – 1179 | Corner drive, standard | 2180 | 1001 – 1200 | Y | Corner drive, standard |

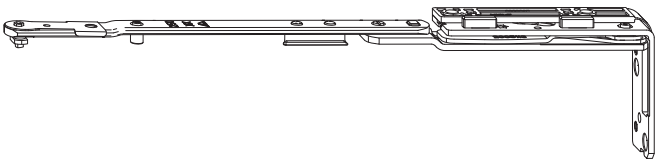
**INFO**
A centre lock is required from SRH 2401 mm.

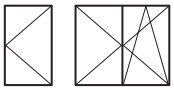
# 6 Frame components

**INFO**
Further frame components are available upon request.

## 6.1 Stay arm

### 6.1.1 Standard – stay arm 250

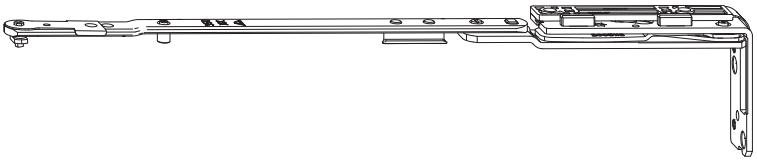


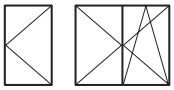


| | | | | |
|---|---|---|---|---|
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000 | 250 | Roto Sil | Left | 2008548 |
| | 250 | Roto Sil | Right | 2008549 |
| Kömmerling 88 Plus<br>Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 250 | Roto Sil | Left | 2008554 |
| | 250 | Roto Sil | Right | 2008555 |
| Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | 250 | Roto Sil | Left | 2008560 |
| | 250 | Roto Sil | Right | 2008561 |
| Rehau S 735 MD<br>Rehau S 799 Brillant Design (S 730) | 250 | Roto Sil | Left | 2008566 |
| | 250 | Roto Sil | Right | 2008567 |
| KBE 70 AD<br>Kömmerling 76<br>Trocal 76<br>Profine 76<br>Profine 88 | 250 | Roto Sil | Left | 2008572 |
| | 250 | Roto Sil | Right | 2008573 |
| Aluplast energeto 8000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Schüco Corona MD | 250 | Roto Sil | Left | 2008584 |
| | 250 | Roto Sil | Right | 2008585 |
| Brügmann AD 13<br>Brügmann MD 13<br>LB Profile Pad<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Alphaline 90<br>Veka Softline 70 MD<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Softline 82 AD<br>Veka Softline 82 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | 250 | Roto Sil | Left | 2008590 |
| | 250 | Roto Sil | Right | 2008591 |
| Inoutic Prestige<br>Inoutic Eforte | 250 | Roto Sil | Left | 2008596 |
| | 250 | Roto Sil | Right | 2008597 |
| Salamander 2D<br>Salamander 3D<br>Salamander Design Streamline 76 | 250 | Roto Sil | Left | 2008602 |
| | 250 | Roto Sil | Right | 2008603 |
| Salamander BluEvolution 92 | 250 | Roto Sil | Left | 2008608 |
| | 250 | Roto Sil | Right | 2008609 |

| | | | | |
|---|---|---|---|---|
| Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82 MD | 250 | Roto Sil | Left | 2008620 |
| | 250 | Roto Sil | Right | 2008621 |
| Gealan Kubus<br>Gealan Kontur | 250 | Roto Sil | Left | 2008638 |
| | 250 | Roto Sil | Right | 2008639 |
| Deceuninck Elegant<br>Deceuninck Zendow | 250 | Roto Sil | Left | 2008650 |
| | 250 | Roto Sil | Right | 2008651 |
| Rehau Artevo | 250 | Roto Sil | Left | 2036876 |
| | 250 | Roto Sil | Right | 2036880 |

## 6.1.2 Standard – stay arm 350

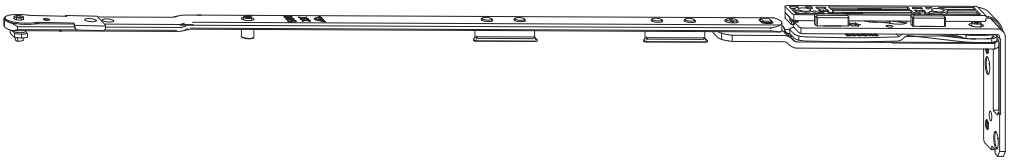


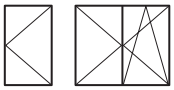


| | | | | |
|---|---|---|---|---|
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000 | 350 | Roto Sil | Left | 2008550 |
| | 350 | Roto Sil | Right | 2008551 |
| Kömmerling 88 Plus<br>Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 350 | Roto Sil | Left | 2008556 |
| | 350 | Roto Sil | Right | 2008557 |
| Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | 350 | Roto Sil | Left | 2008562 |
| | 350 | Roto Sil | Right | 2008563 |
| Rehau S 735 MD<br>Rehau S 799 Brillant Design (S 730) | 350 | Roto Sil | Left | 2008568 |
| | 350 | Roto Sil | Right | 2008569 |
| KBE 70 AD<br>Kömmerling 76<br>Trocal 76<br>Profine 76<br>Profine 88 | 350 | Roto Sil | Left | 2008574 |
| | 350 | Roto Sil | Right | 2008575 |
| Aluplast Ideal 2000 | 350 | Roto Sil | Left | 2008580 |
| | 350 | Roto Sil | Right | 2008581 |
| Aluplast energeto 8000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Schüco Corona MD | 350 | Roto Sil | Left | 2008586 |
| | 350 | Roto Sil | Right | 2008587 |
| Brügmann AD 13<br>Brügmann MD 13<br>LB Profile Pad<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Alphaline 90<br>Veka Softline 70 AD<br>Veka Softline 70 MD<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Softline 82 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | 350 | Roto Sil | Left | 2008592 |
| | 350 | Roto Sil | Right | 2008593 |
| Inoutic Prestige<br>Inoutic Eforte | 350 | Roto Sil | Left | 2008598 |
| | 350 | Roto Sil | Right | 2008599 |

| | | | | |
|---|---|---|---|---|
| Salamander 2D<br>Salamander 3D<br>Salamander Design Streamline 76 | 350 | Roto Sil | Left | 2008604 |
| | 350 | Roto Sil | Right | 2008605 |
| Salamander BluEvolution 92 | 350 | Roto Sil | Left | 2008610 |
| | 350 | Roto Sil | Right | 2008611 |
| Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82 MD | 350 | Roto Sil | Left | 2008622 |
| | 350 | Roto Sil | Right | 2008623 |
| Gealan Kubus<br>Gealan Kontur | 350 | Roto Sil | Left | 2008640 |
| | 350 | Roto Sil | Right | 2008641 |
| Deceuninck Elegant<br>Deceuninck Zendow | 350 | Roto Sil | Left | 2008652 |
| | 350 | Roto Sil | Right | 2008653 |
| Rehau Artevo | 350 | Roto Sil | Left | 2036881 |
| | 350 | Roto Sil | Right | 2036882 |

## 6.1.3 Standard – stay arm 500

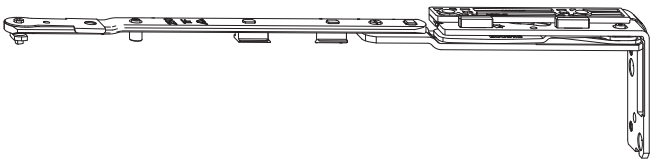


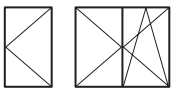


| | | | | |
|---|---|---|---|---|
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000 | 500 | Roto Sil | Left | 2008552 |
| | 500 | Roto Sil | Right | 2008553 |
| Kömmerling 88 Plus<br>Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 500 | Roto Sil | Left | 2008558 |
| | 500 | Roto Sil | Right | 2008559 |
| Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | 500 | Roto Sil | Left | 2008564 |
| | 500 | Roto Sil | Right | 2008565 |
| Rehau S 735 MD<br>Rehau S 799 Brillant Design (S 730) | 500 | Roto Sil | Left | 2008570 |
| | 500 | Roto Sil | Right | 2008571 |
| KBE 70 AD<br>Kömmerling 76<br>Trocal 76<br>Profine 76<br>Profine 88 | 500 | Roto Sil | Left | 2008576 |
| | 500 | Roto Sil | Right | 2008577 |
| Aluplast Ideal 2000 | 500 | Roto Sil | Left | 2008582 |
| | 500 | Roto Sil | Right | 2008583 |
| Aluplast energeto 8000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Schüco Corona MD | 500 | Roto Sil | Left | 2008588 |
| | 500 | Roto Sil | Right | 2008589 |

| | | | | |
|---|---|---|---|---|
| Brügmann AD 13 | 500 | Roto Sil | Left | 2008594 |
| Brügmann MD 13<br>LB Profile Pad<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Alphaline 90<br>Veka Softline 70 AD<br>Veka Softline 70 MD<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Softline 82 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | 500 | Roto Sil | Right | 2008595 |
| Inoutic Prestige<br>Inoutic Eforte | 500 | Roto Sil | Left | 2008600 |
| | 500 | Roto Sil | Right | 2008601 |
| Salamander 2D<br>Salamander 3D<br>Salamander Design Streamline 76 | 500 | Roto Sil | Left | 2008606 |
| | 500 | Roto Sil | Right | 2008607 |
| Salamander BluEvolution 92 | 500 | Roto Sil | Left | 2008612 |
| | 500 | Roto Sil | Right | 2008613 |
| Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82 MD | 500 | Roto Sil | Left | 2008624 |
| | 500 | Roto Sil | Right | 2008625 |
| Gealan Kubus<br>Gealan Kontur | 500 | Roto Sil | Left | 2008642 |
| | 500 | Roto Sil | Right | 2008643 |
| Deceuninck Elegant<br>Deceuninck Zendow | 500 | Roto Sil | Left | 2008654 |
| | 500 | Roto Sil | Right | 2008655 |
| Rehau Artevo | 500 | Roto Sil | Left | 2036883 |
| | 500 | Roto Sil | Right | 2036884 |

## 6.1.4 TiltFirst (TF) – stay arm 250

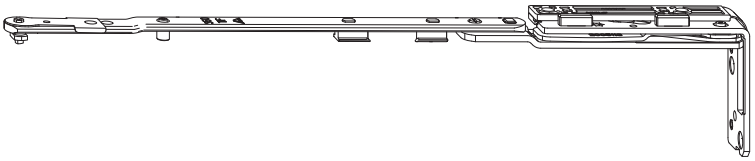


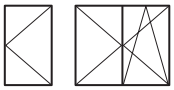


| | | | | |
|---|---|---|---|---|
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000 | 250 | Roto Sil | Left | 2008656 |
| | 250 | Roto Sil | Right | 2008657 |
| Kömmerling 88 Plus<br>Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 250 | Roto Sil | Left | 2008662 |
| | 250 | Roto Sil | Right | 2008663 |
| Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | 250 | Roto Sil | Left | 2008668 |
| | 250 | Roto Sil | Right | 2008669 |
| Rehau S 735 MD<br>Rehau S 799 Brillant Design (S 730) | 250 | Roto Sil | Left | 2008674 |
| | 250 | Roto Sil | Right | 2008675 |
| KBE 70 AD<br>Kömmerling 76<br>Trocal 76<br>Profine 76<br>Profine 88 | 250 | Roto Sil | Left | 2008680 |
| | 250 | Roto Sil | Right | 2008681 |

| | | | | |
|---|---|---|---|---|
| Aluplast Ideal 2000 | 250 | Roto Sil | Left | 2008686 |
| | 250 | Roto Sil | Right | 2008687 |
| Aluplast energeto 8000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Schüco Corona MD | 250 | Roto Sil | Left | 2008692 |
| | 250 | Roto Sil | Right | 2008693 |
| Brügmann AD 13 | 250 | Roto Sil | Left | 2008698 |
| Brügmann MD 13<br>LB Profile Pad<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Alphaline 90<br>Veka Softline 70 MD<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Softline 82 AD<br>Veka Softline 82 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | 250 | Roto Sil | Right | 2008699 |
| Inoutic Prestige<br>Inoutic Eforte | 250 | Roto Sil | Left | 2008710 |
| | 250 | Roto Sil | Right | 2008711 |
| Salamander BluEvolution 92 | 250 | Roto Sil | Left | 2008716 |
| | 250 | Roto Sil | Right | 2008717 |
| Gealan Linear | 250 | Roto Sil | Left | 2008734 |
| | 250 | Roto Sil | Right | 2008735 |
| Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82 MD | 250 | Roto Sil | Left | 2008758 |
| | 250 | Roto Sil | Right | 2008759 |
| Deceuninck Elegant<br>Deceuninck Zendow | 250 | Roto Sil | Left | 2008776 |
| | 250 | Roto Sil | Right | 2008777 |
| Rehau Artevo | 250 | Roto Sil | Left | 2036885 |
| | 250 | Roto Sil | Right | 2036886 |

## 6.1.5 TiltFirst (TF) – stay arm 350

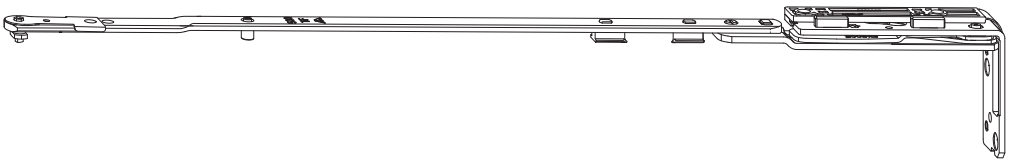


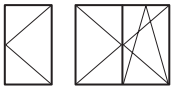


| | | | | |
|---|---|---|---|---|
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000 | 350 | Roto Sil | Left | 2008658 |
| | 350 | Roto Sil | Left | 2008659 |
| Kömmerling 88 Plus<br>Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 350 | Roto Sil | Left | 2008664 |
| | 350 | Roto Sil | Right | 2008665 |
| Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | 350 | Roto Sil | Left | 2008670 |
| | 350 | Roto Sil | Right | 2008671 |
| Rehau S 735 MD<br>Rehau S 799 Brillant Design (S 730) | 350 | Roto Sil | Left | 2008676 |
| | 350 | Roto Sil | Right | 2008677 |

| | | | | |
|---|---|---|---|---|
| KBE 70 AD<br>Kömmerling 76<br>Trocal 76<br>Profine 76<br>Profine 88 | 350 | Roto Sil | Left | 2008682 |
| | 350 | Roto Sil | Right | 2008683 |
| Aluplast Ideal 2000 | 350 | Roto Sil | Left | 2008688 |
| | 350 | Roto Sil | Right | 2008689 |
| Aluplast energeto 8000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Schüco Corona MD | 350 | Roto Sil | Left | 2008694 |
| | 350 | Roto Sil | Right | 2008695 |
| Brügmann AD 13<br>Brügmann MD 13<br>LB Profile Pad<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Alphaline 90<br>Veka Softline 70 MD<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Softline 82 AD<br>Veka Softline 82 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | 350 | Roto Sil | Left | 2008700 |
| | 350 | Roto Sil | Right | 2008701 |
| Inoutic Prestige<br>Inoutic Eforte | 350 | Roto Sil | Left | 2008712 |
| | 350 | Roto Sil | Right | 2008713 |
| Salamander BluEvolution 92 | 350 | Roto Sil | Left | 2008718 |
| | 350 | Roto Sil | Right | 2008719 |
| Gealan Linear | 350 | Roto Sil | Left | 2008736 |
| | 350 | Roto Sil | Right | 2008737 |
| Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82 MD | 350 | Roto Sil | Left | 2008760 |
| | 350 | Roto Sil | Right | 2008761 |
| Deceuninck Elegant<br>Deceuninck Zendow | 350 | Roto Sil | Left | 2008778 |
| | 350 | Roto Sil | Right | 2008779 |
| Rehau Artevo | 350 | Roto Sil | Left | 2036887 |
| | 350 | Roto Sil | Right | 2036888 |

## 6.1.6 TiltFirst (TF) – stay arm 500



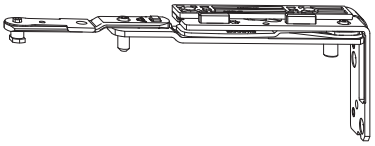


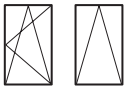
| | | | | |
|---|---|---|---|---|
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000 | 500 | Roto Sil | Left | 2008660 |
| | 500 | Roto Sil | Right | 2008661 |
| Kömmerling 88 Plus<br>Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 500 | Roto Sil | Left | 2008666 |
| | 500 | Roto Sil | Right | 2008667 |
| Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | 500 | Roto Sil | Left | 2008672 |
| | 500 | Roto Sil | Right | 2008673 |

| | | | | |
|---|---|---|---|---|
| Rehau S 735 MD<br>Rehau S 799 Brillant Design (S 730) | 500 | Roto Sil | Left | 2008678 |
| | 500 | Roto Sil | Right | 2008679 |
| KBE 70 AD<br>Kömmerling 76<br>Trocal 76<br>Profine 76<br>Profine 88 | 500 | Roto Sil | Left | 2008684 |
| | 500 | Roto Sil | Right | 2008685 |
| Aluplast Ideal 2000 | 500 | Roto Sil | Left | 2008690 |
| | 500 | Roto Sil | Right | 2008691 |
| Aluplast energeto 8000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Schüco Corona MD | 500 | Roto Sil | Left | 2008696 |
| | 500 | Roto Sil | Right | 2008697 |
| Brügmann AD 13<br>Brügmann MD 13<br>LB Profile Pad<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Alphaline 90<br>Veka Softline 70 MD<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Softline 82 AD<br>Veka Softline 82 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | 500 | Roto Sil | Left | 2008702 |
| | 500 | Roto Sil | Right | 2008703 |
| Inoutic Prestige<br>Inoutic Eforte | 500 | Roto Sil | Left | 2008714 |
| | 500 | Roto Sil | Right | 2008715 |
| Salamander BluEvolution 92 | 500 | Roto Sil | Left | 2008720 |
| | 500 | Roto Sil | Right | 2008721 |
| Gealan Linear | 500 | Roto Sil | Left | 2008738 |
| | 500 | Roto Sil | Right | 2008739 |
| Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82 MD | 500 | Roto Sil | Left | 2008762 |
| | 500 | Roto Sil | Right | 2008763 |
| Deceuninck Elegant<br>Deceuninck Zendow | 500 | Roto Sil | Left | 2008780 |
| | 500 | Roto Sil | Right | 2008781 |
| Rehau Artevo | 500 | Roto Sil | Left | 2036889 |
| | 500 | Roto Sil | Right | 2036890 |

## 6.2 Rebate stay arm

### 6.2.1 Standard



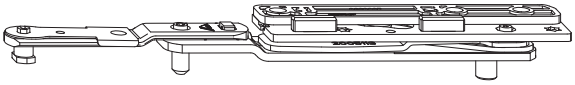


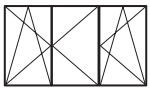
| | | | |
|---|---|---|---|
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000 | Roto Sil | Left | 2008803 |
| | Roto Sil | Right | 2008804 |
| Kömmerling 88 Plus<br>Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | Roto Sil | Left | 2008805 |
| | Roto Sil | Right | 2008806 |
| Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | Roto Sil | Left | 2008807 |
| | Roto Sil | Right | 2008808 |
| Rehau S 735 MD<br>Rehau S 799 Brillant Design (S 730) | Roto Sil | Left | 2008809 |
| | Roto Sil | Right | 2008810 |
| KBE 70 AD<br>Kömmerling 76<br>Trocal 76<br>Profine 76<br>Profine 88 | Roto Sil | Left | 2008811 |
| | Roto Sil | Right | 2008812 |
| Aluplast Ideal 2000 | Roto Sil | Left | 2008813 |
| | Roto Sil | Right | 2008814 |
| Aluplast energeto 8000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Schüco Corona MD | Roto Sil | Left | 2008815 |
| | Roto Sil | Right | 2008816 |
| Brügmann AD 13<br>Brügmann MD 13<br>LB Profile Pad<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Alphaline 90<br>Veka Softline 70 MD<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Softline 82 AD<br>Veka Softline 82 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | Roto Sil | Left | 2008817 |
| | Roto Sil | Right | 2008818 |
| Inoutic Prestige<br>Inoutic Eforte | Roto Sil | Left | 2008819 |
| | Roto Sil | Right | 2008820 |
| Salamander 2D<br>Salamander 3D<br>Salamander Design Streamline 76 | Roto Sil | Left | 2008821 |
| | Roto Sil | Right | 2008822 |
| Salamander BluEvolution 92 | Roto Sil | Left | 2008823 |
| | Roto Sil | Right | 2008824 |
| Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82 MD | Roto Sil | Left | 2008829 |
| | Roto Sil | Right | 2008830 |
| Gealan Kubus<br>Gealan Kontur | Roto Sil | Left | 2008837 |
| | Roto Sil | Right | 2008838 |
| Deceuninck Elegant<br>Deceuninck Zendow | Roto Sil | Left | 2008841 |
| | Roto Sil | Right | 2008842 |

| | | | |
|---|---|---|---|
| Rehau Artevo | Roto Sil | Left | 2036891 |
| | Roto Sil | Right | 2036892 |

Compatible rebate stay guide

## 6.2.2 Triple-sashed windows (centre sash)



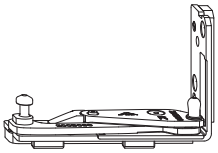


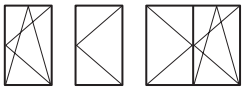
| | | | |
|---|---|---|---|
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000 | Roto Sil | Left | 2008845 |
| | Roto Sil | Right | 2008846 |
| Kömmerling 3S<br>Kömmerling 88 Plus<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | Roto Sil | Left | 2008847 |
| | Roto Sil | Right | 2008848 |
| Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | Roto Sil | Left | 2008849 |
| | Roto Sil | Right | 2008850 |
| Rehau S 735 MD<br>Rehau S 799 Brillant Design (S 730) | Roto Sil | Left | 2008851 |
| | Roto Sil | Right | 2008852 |
| KBE 70 AD<br>Kömmerling 76<br>Trocal 76<br>Profine 76<br>Profine 88 | Roto Sil | Left | 2008853 |
| | Roto Sil | Right | 2008854 |
| Aluplast Ideal 2000 | Roto Sil | Left | 2008855 |
| | Roto Sil | Right | 2008856 |
| Aluplast energeto 8000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Schüco Corona MD | Roto Sil | Left | 2008859 |
| | Roto Sil | Right | 2008860 |
| Brügmann AD 13<br>Brügmann MD 13<br>LB Profile Pad<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Alphaline 90<br>Veka Softline 70 MD<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Softline 82 AD<br>Veka Softline 82 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | Roto Sil | Left | 2008861 |
| | Roto Sil | Right | 2008862 |
| Salamander 2D<br>Salamander 3D<br>Salamander Design 3D<br>Salamander Design Streamline 76 | Roto Sil | Left | 2008865 |
| | Roto Sil | Right | 2008866 |
| Rehau Artevo | Roto Sil | Left | 2036893 |
| | Roto Sil | Right | 2036894 |

Compatible rebate stay guide

# 6.3 Pivot rests

## 6.3.1 Standard

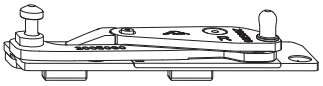


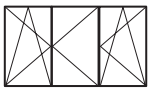


| | | | № |
|---|---|---|---|
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000 | Roto Sil | Left | 2008873 |
| | Roto Sil | Right | 2008874 |
| Kömmerling 88 Plus<br>Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | Roto Sil | Left | 2008875 |
| | Roto Sil | Right | 2008876 |
| Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | Roto Sil | Left | 2008877 |
| | Roto Sil | Right | 2008878 |
| Rehau S 735 MD<br>Rehau S 799 Brillant Design (S 730) | Roto Sil | Left | 2008879 |
| | Roto Sil | Right | 2008880 |
| KBE 70 AD<br>Kömmerling 76<br>Trocal 76<br>Profine 76<br>Profine 88 | Roto Sil | Left | 2008881 |
| | Roto Sil | Right | 2008882 |
| Aluplast Ideal 2000 | Roto Sil | Left | 2008883 |
| | Roto Sil | Right | 2008884 |
| Aluplast energeto 8000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Schüco Corona MD | Roto Sil | Left | 2008885 |
| | Roto Sil | Right | 2008886 |
| Brügmann AD 13<br>Brügmann MD 13<br>LB Profile Pad<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Alphaline 90<br>Veka Softline 70 MD<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Softline 82 AD<br>Veka Softline 82 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | Roto Sil | Left | 2008887 |
| | Roto Sil | Right | 2008888 |
| Inoutic Prestige<br>Inoutic Eforte | Roto Sil | Left | 2008891 |
| | Roto Sil | Right | 2008892 |
| Salamander 2D<br>Salamander 3D<br>Salamander Design Streamline 76 | Roto Sil | Left | 2008893 |
| | Roto Sil | Right | 2008894 |
| Salamander BluEvolution 92 | Roto Sil | Left | 2008895 |
| | Roto Sil | Right | 2008896 |
| Gealan Linear | Roto Sil | Left | 2008901 |
| | Roto Sil | Right | 2008902 |
| Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82 MD | Roto Sil | Left | 2008909 |
| | Roto Sil | Right | 2008910 |
| Gealan Kubus<br>Gealan Kontur | Roto Sil | Left | 2008919 |
| | Roto Sil | Right | 2008920 |

| | | | |
|---|---|---|---|
| Deceuninck Elegant<br>Deceuninck Zendow | Roto Sil | Left | 2008923 |
| | Roto Sil | Right | 2008924 |
| Rehau Artevo | Roto Sil | Left | 2036895 |
| | Roto Sil | Right | 2036896 |

## 6.3.2 Triple-sashed windows (centre sash)



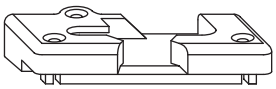


| | | | |
|---|---|---|---|
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000 | Roto Sil | Left | 2008935 |
| | Roto Sil | Right | 2008936 |
| Kömmerling 3S<br>Kömmerling 88 Plus<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | Roto Sil | Left | 2008937 |
| | Roto Sil | Right | 2008938 |
| Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | Roto Sil | Left | 2008939 |
| | Roto Sil | Right | 2008940 |
| Rehau S 735 MD<br>Rehau S 799 Brillant Design (S 730) | Roto Sil | Left | 2008941 |
| | Roto Sil | Right | 2008942 |
| KBE 70 AD<br>Kömmerling 76<br>Trocal 76<br>Profine 76<br>Profine 88 | Roto Sil | Left | 2008943 |
| | Roto Sil | Right | 2008944 |
| Aluplast Ideal 2000 | Roto Sil | Left | 2008945 |
| | Roto Sil | Right | 2008946 |
| Aluplast energeto 8000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Schüco Corona MD | Roto Sil | Left | 2008949 |
| | Roto Sil | Right | 2008950 |
| Salamander 2D<br>Salamander 3D<br>Salamander Design 3D<br>Salamander Design Streamline 76 | Roto Sil | Left | 2008955 |
| | Roto Sil | Right | 2008956 |
| Brügmann AD 13<br>Brügmann MD 13<br>LB Profile Pad<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Alphaline 90<br>Veka Softline 70 MD<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Softline 82 AD<br>Veka Softline 82 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | Roto Sil | Left | 2008951 |
| | Roto Sil | Right | 2008952 |
| Rehau Artevo | Roto Sil | Left | 2036897 |
| | Roto Sil | Right | 2036898 |

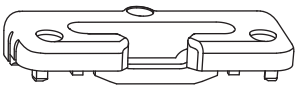
# 6.4 Tilt strikers

## 6.4.1 Standard

### 6.4.1.1 Zinc



A



B

| Assignment | Meaning | Security |
|---|---|---|
| [A] | With base | RC 1 N, RC 2 / RC 2 N |
| [B] | Without base | Basic security |

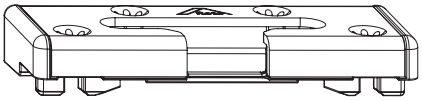
| | | | | | |
|---|---|---|---|---|---|
| Aluplast Ideal 2000<br>Schüco CT70 MD<br>Schüco SI82 MD<br>LB Profile Pad<br>Schüco LivIng 82 | 13 | N | Roto Sil | – | 331487 |
| Aluplast Ideal 2000<br>Schüco CT70 MD<br>Schüco SI82 MD<br>LB Profile Pad<br>Schüco LivIng 82 | 13 | Y | Roto Sil | Left | 260501 |
| Aluplast Ideal 2000<br>Schüco CT70 MD<br>Schüco SI82 MD<br>LB Profile Pad<br>Schüco LivIng 82 | 13 | Y | Roto Sil | Right | 260502 |
| Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Schüco Corona AD<br>Aluplast energeto 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast energeto 8000<br>Aluplast Ideal 8000<br>Aluplast Ideal 7000 | 13 | N | Roto Sil | – | 350190 |
| Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Schüco Corona AD<br>Aluplast energeto 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast energeto 8000<br>Aluplast Ideal 8000<br>Aluplast Ideal 7000 | 13 | Y | Roto Sil | Left | 257364 |
| Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Schüco Corona AD<br>Aluplast energeto 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast energeto 8000<br>Aluplast Ideal 8000<br>Aluplast Ideal 7000 | 13 | Y | Roto Sil | Right | 257365 |
| Brügmann AD 13<br>Brügmann MD 13 | 13 | Y | Roto Sil | Left | 292195 |
| Brügmann AD 13<br>Brügmann MD 13 | 13 | Y | Roto Sil | Right | 292196 |
| Deceuninck Eforte<br>Deceuninck Prestige AD<br>Inoutic AD 13<br>Inoutic MD 100 | 13 | Y | Roto Sil | Left | 260499 |
| Deceuninck Eforte<br>Deceuninck Prestige AD<br>Inoutic AD 13<br>Inoutic MD 100 | 13 | Y | Roto Sil | Right | 260500 |

| | | | | | № |
|---|---|---|---|---|---|
| Deceuninck Zendow<br>Deceuninck Elegant<br>Deceuninck Legend | 13 | Y | Roto Sil | Left | 370073 |
| Deceuninck Zendow<br>Deceuninck Elegant<br>Deceuninck Legend | 13 | Y | Roto Sil | Right | 370074 |
| Deceuninck Klassiek<br>Deceuninck Mondial VK | 13 | Y | Roto Sil | Left | 281599 |
| Deceuninck Klassiek<br>Deceuninck Mondial VK | 13 | Y | Roto Sil | Right | 281600 |
| Deceuninck Prestige MD<br>Inoutic AD 13 | 13 | N | Roto Sil | – | 729039 |
| Deceuninck Prestige MD | 13 | Y | Roto Sil | Left | 288117 |
| Deceuninck Prestige MD | 13 | Y | Roto Sil | Right | 288118 |
| Gealan Kubus | 13 | N | Roto Sil | – | 807518 |
| Gealan Kubus | 13 | Y | Roto Sil | Left | 807515 |
| Gealan Kubus | 13 | Y | Roto Sil | Right | 807516 |
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000<br>Gealan Linear | 13 | N | Roto Sil | – | 367200 |
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000<br>Gealan Linear | 13 | Y | Roto Sil | Left | 260497 |
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000<br>Gealan Linear | 13 | Y | Roto Sil | Right | 260498 |
| KBE 70 AD<br>KBE 70 MD | 13 | N | Roto Sil | – | 338071 |
| KBE 70 AD<br>KBE 70 MD | 13 | Y | Roto Sil | Left | 289973 |
| KBE 70 AD<br>KBE 70 MD | 13 | Y | Roto Sil | Right | 289974 |
| KBE 76<br>Kömmerling 76<br>Panorama 3000<br>Trocal 76<br>KBE 88 MD<br>Kömmerling 88 MD<br>Trocal 88 MD | 13 | N | Roto Sil | – | 738472 |
| KBE 76<br>KBE 88 MD<br>Kömmerling 76<br>Kömmerling 88 MD<br>Panorama 3000<br>Trocal 76<br>Trocal 88 MD | 13 | Y | Roto Sil | Left | 780787 |
| KBE 76<br>KBE 88 MD<br>Kömmerling 76<br>Kömmerling 88 MD<br>Panorama 3000<br>Trocal 76<br>Trocal 88 MD | 13 | Y | Roto Sil | Right | 780788 |
| Kömmerling 88 Plus<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 13 | N | Roto Sil | – | 334954 |
| Kömmerling Eurodur 3S | 13 | Y | Roto Sil | Left | 260489 |
| Kömmerling Eurodur 3S | 13 | Y | Roto Sil | Right | 260490 |
| Plus Plan Plus Tec | 13 | Y | Roto Sil | Left | 264420 |
| Plus Plan Plus Tec | 13 | Y | Roto Sil | Right | 264421 |

| | | | | | № |
|---|---|---|---|---|---|
| Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 969 Synego<br>Rehau S 986 EuroDesign 86 | 13 | N | Roto Sil | – | 338021 |
| Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 986 EuroDesign 86 | 13 | Y | Roto Sil | Left | 316939 |
| Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 986 EuroDesign 86 | 13 | Y | Roto Sil | Right | 316940 |
| Rehau S 980 Geneo | 13 | Y | Roto Sil | Left | 496018 |
| Rehau S 980 Geneo | 13 | Y | Roto Sil | Right | 496017 |
| Roplasto 4K<br>Roplasto 7001 AD<br>Roplasto 7001 MD | 13 | Y | Roto Sil | Left | 260507 |
| Roplasto 4K<br>Roplasto 7001 AD<br>Roplasto 7001 MD | 13 | Y | Roto Sil | Right | 260508 |
| Salamander 2D<br>Salamander 3D<br>Salamander Streamline 76 | 13 | N | Roto Sil | – | 561212 |
| Salamander 2D<br>Salamander 3D<br>Salamander Streamline 76 | 13 | Y | Roto Sil | Left | 261724 |
| Salamander 2D<br>Salamander 3D<br>Salamander Streamline 76 | 13 | Y | Roto Sil | Right | 261725 |
| Schüco CT70 AD<br>Veka Alphaline 90<br>Veka Softline 70 AD<br>Veka Softline 70 MD<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Softline 82 MD<br>Veka Softline 76 AD<br>Veka Softline 76 MD | 13 | N | Roto Sil | – | 338019 |
| Schüco CT70 AD<br>Veka Softline 70 AD<br>Veka Softline 70 MD<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Softline 76 AD<br>Veka Softline 76 MD | 13 | Y | Roto Sil | Left | 256783 |
| Schüco CT70 AD<br>Veka Softline 70 AD<br>Veka Softline 70 MD<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Softline 76 AD<br>Veka Softline 76 MD | 13 | Y | Roto Sil | Right | 256784 |
| Salamander BluEvolution 92 | 13 | N | Roto Sil | – | 604887 |
| Salamander BluEvolution 92 | 13 | Y | Roto Sil | Left | 599778 |
| Salamander BluEvolution 92 | 13 | Y | Roto Sil | Right | 599779 |
| Trocal 88+<br>Trocal InnoNova 2000 | 13 | Y | Roto Sil | Left | 290131 |
| Trocal 88+<br>Trocal InnoNova 2000 | 13 | Y | Roto Sil | Right | 290152 |
| Trocal InnoNova 70.A5 AD<br>Trocal InnoNova 70.M5 MD | 13 | N | Roto Sil | – | 336808 |
| Wymar 2500 | 13 | Y | Roto Sil | Left | 254468 |
| Wymar 2500 | 13 | Y | Roto Sil | Right | 294893 |
| Wymar 3000 | 13 | Y | Roto Sil | Left | 373964 |
| Wymar 3000 | 13 | Y | Roto Sil | Right | 373963 |

**INFO**
Other versions are available upon request.

### 6.4.1.2 Steel



| | | | | | № |
|---|---|---|---|---|---|
| Aluplast Ideal 2000<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82<br>Veka Softline 82 MD | 13 | Y | Roto Sil | – | 856773 |
| Aluplast energeto 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast Ideal 4000<br>Aluplast energeto 8000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Aluplast Ideal 8000<br>Schüco Corona AD | 13 | Y | Roto Sil | – | 856789 |
| Brügmann AD 13<br>Brügmann MD 13 | 13 | Y | Roto Sil | – | 856786 |
| Inoutic AD 13<br>Deceuninck Eforte<br>Inoutic MD 100<br>Deceuninck Prestige AD | 13 | Y | Roto Sil | – | 856797 |
| Deceuninck Elegant<br>Deceuninck Legend<br>Deceuninck Zendow | 13 | Y | Roto Sil | – | 856783 |
| Gealan Linear<br>Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000 | 13 | Y | Roto Sil | – | 856781 |
| KBE 70 AD | 13 | Y | Roto Sil | – | 856787 |
| KBE 76<br>KBE 88 MD<br>Kömmerling 76<br>Kömmerling 88 MD<br>Trocal 76<br>Trocal 88 MD | 13 | Y | Roto Sil | – | 856799 |
| Kömmerling 88 Plus<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 13 | Y | Roto Sil | – | 857009 |
| Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance<br>Wymar 3000 | 13 | Y | Roto Sil | – | 857008 |
| Plus Plan Plus Tec<br>Roplasto 4K<br>Roplasto 7001 AD<br>Roplasto 7001 MD | 13 | Y | Roto Sil | – | 856788 |
| Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | 13 | Y | Roto Sil | – | 856785 |

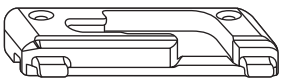
| | | | | | |
|---|---|---|---|---|---|
| Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Schüco CT70 AD<br>Veka Softline 70 AD<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Softline 82 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | 13 | Y | Roto Sil | – | 856782 |
| Salamander Design 2D<br>Salamander Design 3D<br>Salamander Streamline 76 | 13 | Y | Roto Sil | – | 857131 |
| Salamander GreenEvolution 76 | 13 | Y | Roto Sil | – | 897733 |
| Schüco CT70 MD | 13 | Y | Roto Sil | – | 856774 |
| Trocal 88+<br>Trocal InnoNova 2000<br>Trocal S900 | 13 | Y | Roto Sil | – | 856796 |

| | | | | | |
|---|---|---|---|---|---|
| Aluplast Ideal 2000<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82<br>Veka Softline 82 MD | 13 | Y | Roto Sil | – | 856773 |
| Aluplast energeto 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast Ideal 4000<br>Aluplast energeto 8000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Aluplast Ideal 8000<br>Schüco Corona AD | 13 | Y | Roto Sil | – | 856789 |
| Brügmann AD 13<br>Brügmann MD 13 | 13 | Y | Roto Sil | – | 856786 |
| Inoutic AD 13<br>Deceuninck Eforte<br>Inoutic MD 100<br>Deceuninck Prestige AD | 13 | Y | Roto Sil | – | 856797 |
| Deceuninck Elegant<br>Deceuninck Legend<br>Deceuninck Zendow | 13 | Y | Roto Sil | – | 856783 |
| Gealan Linear<br>Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000 | 13 | Y | Roto Sil | – | 856781 |
| KBE AD | 9 | Y | Roto Sil | – | 856800 |
| KBE 70 AD | 13 | Y | Roto Sil | – | 856787 |
| KBE 76<br>KBE 88 MD<br>Kömmerling 76<br>Kömmerling 88 MD<br>Trocal 76<br>Trocal 88 MD | 13 | Y | Roto Sil | – | 856799 |
| Kömmerling 88 Plus<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 13 | Y | Roto Sil | – | 857009 |
| Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance<br>Wymar 3000 | 13 | Y | Roto Sil | – | 857008 |
| Plus Plan Plus Tec<br>Roplasto 4K<br>Roplasto 7001 AD<br>Roplasto 7001 MD | 13 | Y | Roto Sil | – | 856788 |

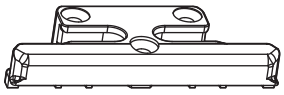
| | | | | | |
|---|---|---|---|---|---|
| Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | 13 | Y | Roto Sil | – | 856785 |
| Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Schüco CT70 AD<br>Veka Softline 70 AD<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Softline 82 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | 13 | Y | Roto Sil | – | 856782 |
| Salamander Design 2D<br>Salamander Design 3D<br>Salamander Streamline 76 | 13 | Y | Roto Sil | – | 857131 |
| Salamander GreenEvolution 76 | 13 | Y | Roto Sil | – | 897733 |
| Schüco CT70 MD | 13 | Y | Roto Sil | – | 856774 |
| Trocal 88+<br>Trocal InnoNova 2000<br>Trocal S900 | 13 | Y | Roto Sil | – | 856796 |
| Veka Softline AD 9 | 9 | Y | Roto Sil | – | 856801 |

**INFO**
Other versions are available upon request.

## 6.4.2 TiltFirst (TF)



A



B

| Assignment | Meaning |
|---|---|
| [A] | Right / left tilt striker |
| [B] | Symmetrical tilt striker |

| | | | | | |
|---|---|---|---|---|---|
| Aluplast Ideal 2000<br>Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD | 13 | Y | Roto Sil | Left | 891744 |
| Aluplast Ideal 2000<br>Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD | 13 | Y | Roto Sil | Right | 891743 |
| Aluplast energeto 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast energeto 8000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Aluplast Ideal 8000<br>Schüco Corona AD | 13 | Y | Roto Sil | Left | 891747 |

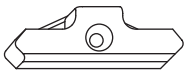
| | | | | | Nº |
|---|---|---|---|---|---|
| Aluplast energeto 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast energeto 8000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Aluplast Ideal 8000<br>Schüco Corona AD | 13 | Y | Roto Sil | Right | 891748 |
| Brügmann AD 13<br>Brügmann MD 13 | 13 | Y | Roto Sil | Left | 320608 |
| Brügmann AD 13<br>Brügmann MD 13 | 13 | Y | Roto Sil | Right | 320609 |
| Deceuninck Eforte<br>Deceuninck Prestige AD<br>Deceuninck Prestige MD<br>Inoutic AD 13 | 13 | Y | Roto Sil | Left | 493840 |
| Deceuninck Eforte<br>Deceuninck Prestige AD<br>Deceuninck Prestige MD<br>Inoutic AD 13 | 13 | Y | Roto Sil | Right | 493839 |
| Deceuninck Zendow<br>Deceuninck Elegant<br>Deceuninck Legend | 13 | Y | Roto Sil | Left | 493547 |
| Deceuninck Zendow<br>Deceuninck Elegant<br>Deceuninck Legend | 13 | Y | Roto Sil | Right | 493426 |
| Gealan Kubus | 13 | Y | Roto Sil | Left | 807519 |
| Gealan Kubus | 13 | Y | Roto Sil | Right | 807520 |
| Gealan S3000<br>Gealan S7000<br>Gealan S8000 | 13 | Y | Roto Sil | Left | 280122 |
| Gealan S3000<br>Gealan S7000<br>Gealan S8000 | 13 | Y | Roto Sil | Right | 280123 |
| KBE 70 AD<br>KBE 76<br>KBE 88 MD<br>Kömmerling 76<br>Kömmerling 88 MD<br>Trocal 76<br>Trocal 88 MD | 13 | Y | Roto Sil | Left | 891745 |
| KBE 70 AD<br>KBE 76<br>KBE 88 MD<br>Kömmerling 76<br>Kömmerling 88 MD<br>Trocal 76<br>Trocal 88 MD | 13 | Y | Roto Sil | Right | 891746 |
| Kömmerling 88 Plus<br>Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 13 | Y | Roto Sil | Left | 309132 |
| Kömmerling 88 Plus<br>Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 13 | Y | Roto Sil | Right | 309133 |
| Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 969 Synego<br>Rehau S 980 Geneo | 13 | Y | Roto Sil | Left | 891718 |
| Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 969 Synego<br>Rehau S 980 Geneo | 13 | Y | Roto Sil | Right | 891719 |
| Salamander 2D<br>Salamander 3D<br>Salamander Streamline 76 | 13 | Y | Roto Sil | Left | 316977 |

| | | | | | Nº |
|---|---|---|---|---|---|
| Salamander 2D<br>Salamander 3D<br>Salamander Streamline 76 | 13 | Y | Roto Sil | Right | 316978 |
| Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | 13 | Y | Roto Sil | Left | 891741 |
| Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | 13 | Y | Roto Sil | Right | 891742 |
| Trocal 88+<br>Trocal InnoNova 2000 | 13 | Y | Roto Sil | Left | 606635 |
| Trocal 88+<br>Trocal InnoNova 2000 | 13 | Y | Roto Sil | Right | 606636 |
| Trocal InnoNova 70.A5 AD<br>Trocal InnoNova 70.M5 MD | 13 | Y | Roto Sil | Left | 336107 |
| Trocal InnoNova 70.A5 AD<br>Trocal InnoNova 70.M5 MD | 13 | Y | Roto Sil | Right | 336108 |
| Veka Softline 70 AD<br>Veka Topline AD 13<br>Veka Softline 76 AD<br>Veka Softline 76 MD | 13 | N | Roto Sil | – | 617391 |

**INFO**
Other versions are available upon request.

## 6.5 Strikers

### 6.5.1 Standard



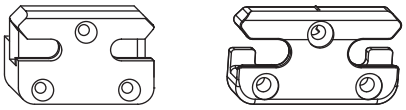
| | | | | Nº |
|---|---|---|---|---|
| Aluplast Ideal 2000<br>LB Profile Pad<br>Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82 | 13 | N | Roto Sil | 331489 |
| Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 8000<br>Schüco Corona AD<br>Schüco Corona MD<br>Aluplast energeto 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast energeto 8000<br>Aluplast Ideal 7000 | 13 | N | Roto Sil | 350192 |
| Brügmann AD 13<br>Brügmann MD 13 | 13 | N | Roto Sil | 341485 |
| Brügmann AD 13<br>Brügmann MD 13 | 13 | Y | Roto Sil | 292193 |

| | | | | Nº |
|---|---|---|---|---|
| Deceuninck Eforte<br>Deceuninck Prestige AD<br>Deceuninck Prestige MD<br>Inoutic AD 13<br>Inoutic MD 100 | 13 | Y | Roto Sil | 260370 |
| Deceuninck Zendow<br>Deceuninck Elegant<br>Deceuninck Legend | 13 | N | Roto Sil | 370071 |
| Deceuninck Klassiek<br>Deceuninck Mondial VK | 13 | Y | Roto Sil | 281601 |
| Gealan Kubus | 13 | N | Roto Sil | 796675 |
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000<br>Gealan Linear | 13 | N | Roto Sil | 319744 |
| KBE 70 AD<br>KBE 70 MD | 13 | N | Roto Sil | 338070 |
| KBE 76<br>Kömmerling 76<br>Trocal 76<br>KBE 88 MD<br>Kömmerling 88 MD<br>Panorama 3000<br>Trocal 88 MD | 13 | N | Roto Sil | 738470 |
| Kömmerling Eurodur 3S | 13 | N | Roto Sil | 457090 |
| Kömmerling Eurodur 3S | 13 | Y | Roto Sil | 260365 |
| Kömmerling 88 Plus<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 13 | N | Roto Sil | 334957 |
| Plus Plan Plus Tec | 13 | Y | Roto Sil | 264316 |
| Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | 13 | N | Roto Sil | 332439 |
| Roplasto 4K<br>Roplasto 7001 AD<br>Roplasto 7001 MD | 13 | N | Roto Sil | 482541 |
| Salamander 2D<br>Salamander 3D<br>Salamander BluEvolution 92<br>Salamander Streamline 76 | 13 | N | Roto Sil | 486195 |
| Salamander BluEvolution 82<br>Schüco CT70 AD<br>Veka Alphaline 90<br>Veka Softline 70 AD<br>Veka Softline 70 MD<br>Veka Topline AD 13<br>Veka Topline MD 13<br>Salamander BluEvolution 73<br>Veka Softline 82 MD<br>Veka Softline 76 AD<br>Veka Softline 76 MD | 13 | N | Roto Sil | 332438 |
| Salamander GreenEvolution 76 | 13 | N | Roto Sil | 897004 |
| Trocal 88+<br>Trocal InnoNova 2000 | 13 | Y | Roto Sil | 290127 |
| Trocal InnoNova 70.A5 AD<br>Trocal InnoNova 70.M5 MD | 13 | N | Roto Sil | 336797 |
| Wymar 2500 | 13 | N | Roto Sil | 380088 |
| Wymar 3000 | 13 | N | Roto Sil | 374157 |

**INFO**
Other versions are available upon request.

## 6.5.2 Security

### 6.5.2.1 Zinc



A B

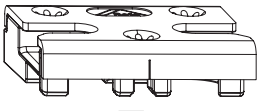
| Assignment | Meaning | Security |
|---|---|---|
| [A] | With base | RC 1 N, RC 2 / RC 2 N |
| [B] | Without base | Basic security |

| | | | | | № |
|---|---|---|---|---|---|
| Aluplast Ideal 2000<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82 | 13 | N | Roto Sil | – | 331490 |
| Aluplast Ideal 2000<br>LB Profile Pad<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82 | 13 | Y | Roto Sil | – | 260395 |
| Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Schüco Corona AD<br>Aluplast energeto 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast energeto 8000<br>Aluplast Ideal 7000<br>Aluplast Ideal 8000 | 13 | N | Roto Sil | – | 350191 |
| Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 8000<br>Schüco Corona AD<br>Aluplast energeto 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast energeto 8000<br>Aluplast Ideal 7000 | 13 | Y | Roto Sil | – | 257357 |
| Brügmann AD 13<br>Brügmann MD 13 | 13 | Y | Roto Sil | – | 292194 |
| Deceuninck Eforte<br>Deceuninck Prestige AD<br>Deceuninck Prestige MD<br>Inoutic AD 13<br>Inoutic MD 100 | 13 | Y | Roto Sil | – | 260394 |
| Deceuninck Zendow<br>Deceuninck Elegant<br>Deceuninck Legend | 13 | Y | Roto Sil | – | 370072 |
| Deceuninck Klassiek<br>Deceuninck Mondial VK | 13 | Y | Roto Sil | – | 281632 |
| Gealan Kubus | 13 | N | Roto Sil | – | 807521 |
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan Linear<br>Gealan S9000 | 13 | N | Roto Sil | – | 367201 |
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000<br>Gealan Linear | 13 | Y | Roto Sil | – | 260393 |
| KBE 70 AD | 13 | Y | Roto Sil | – | 289941 |

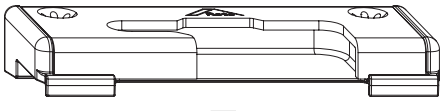
| | | | | | Nº |
|---|---|---|---|---|---|
| KBE 76<br>Kömmerling 76<br>Trocal 76<br>KBE 88 MD<br>Kömmerling 88 MD<br>Trocal 88 MD | 13 | Y | Roto Sil | – | 738471 |
| Kömmerling Eurodur 3S | 13 | Y | Roto Sil | – | 258303 |
| Kömmerling 88 Plus<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 13 | N | Roto Sil | – | 334958 |
| Panorama 3000 | 13 | Y | Roto Sil | – | 281768 |
| Plus Plan Plus Tec | 13 | Y | Roto Sil | – | 264327 |
| Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 969 Synego<br>Rehau S 986 EuroDesign 86 | 13 | Y | Roto Sil | – | 316942 |
| Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 969 Synego<br>Rehau S 986 EuroDesign 86 | 13 | N | Roto Sil | – | 348407 |
| Rehau S 980 Geneo | 13 | Y | Roto Sil | – | 496019 |
| Roplasto 4K<br>Roplasto 7001 AD<br>Roplasto 7001 MD | 13 | Y | Roto Sil | – | 260399 |
| Salamander 2D<br>Salamander 3D<br>Salamander Streamline 76 | 13 | Y | Roto Sil | – | 365385 |
| Salamander BluEvolution 82<br>Schüco CT70 AD<br>Veka Topline AD 13<br>Veka Topline MD 13<br>Salamander BluEvolution 73<br>Veka Softline 82 MD<br>Veka Softline 76 AD<br>Veka Softline 76 MD | 13 | Y | Roto Sil | – | 260396 |
| Salamander BluEvolution 82<br>Schüco CT70 AD<br>Veka Alphaline 90<br>Veka Softline 70 AD<br>Veka Softline 70 MD<br>Veka Topline AD 13<br>Veka Topline MD 13<br>Salamander BluEvolution 73<br>Veka Softline 76 AD<br>Veka Softline 76 MD | 13 | N | Roto Sil | – | 348410 |
| Salamander BluEvolution 92 | 13 | Y | Roto Sil | – | 601574 |
| Salamander GreenEvolution 76 | 13 | Y | Roto Sil | – | 897080 |
| Trocal 88+<br>Trocal InnoNova 2000 | 13 | N | Roto Sil | – | 290128 |
| Wymar 3000 | 13 | Y | Roto Sil | – | 374194 |

**INFO**
Other versions are available upon request.

### 6.5.2.2 Steel



A



B

| Assignment | Meaning |
|---|---|
| [A] | Striker, symmetrical |

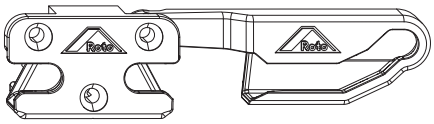
| Assignment | Meaning |
|---|---|
| [B] | Striker, right / left |

| |  |  |  |  | № |
|---|---|---|---|---|---|
| Aluplast Ideal 2000<br>LB Profile Pad<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82 | 13 | Y | – | Roto Sil | 856737 |
| Aluplast energeto 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast Ideal 4000<br>Aluplast energeto 8000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000<br>Aluplast Ideal 8000<br>Schüco Corona AD | 13 | Y | – | Roto Sil | 856753 |
| Brügmann AD 13<br>Brügmann MD 13 | 13 | Y | Left | Roto Sil | 856757 |
| Brügmann AD 13<br>Brügmann MD 13 | 13 | Y | Right | Roto Sil | 856756 |
| Inoutic AD 13<br>Deceuninck Eforte<br>Inoutic Favorite AD 13<br>Inoutic MD 100<br>Deceuninck Prestige AD<br>Deceuninck Prestige MD | 13 | Y | – | Roto Sil | 856752 |
| Deceuninck Elegant<br>Deceuninck Legend<br>Deceuninck Zendow | 13 | Y | – | Roto Sil | 856751 |
| Gealan Linear<br>Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000 | 13 | Y | – | Roto Sil | 856749 |
| KBE 70 AD | 13 | Y | Left | Roto Sil | 857004 |
| KBE 70 AD | 13 | Y | Right | Roto Sil | 857005 |
| KBE 76<br>KBE 88 MD<br>Kömmerling 76<br>Kömmerling 88 MD<br>Trocal 76<br>Trocal 88 MD | 13 | Y | – | Roto Sil | 856754 |
| Kömmerling 88 Plus<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 13 | Y | – | Roto Sil | 857003 |
| Kömmerling Eurodur 3S<br>Wymar 3000 | 13 | Y | – | Roto Sil | 857006 |
| Plus Plan Plus Tec<br>Roplasto 4K<br>Roplasto 7001 AD<br>Roplasto 7001 MD | 13 | Y | – | Roto Sil | 856750 |
| Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | 13 | Y | – | Roto Sil | 856748 |
| Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Schüco CT70 AD<br>Veka Alphaline 90<br>Veka Softline 70 AD<br>Veka Softline 76 AD<br>Veka Softline 76 MD<br>Veka Softline 82 MD<br>Veka Topline AD 13<br>Veka Topline MD 13 | 13 | Y | – | Roto Sil | 856738 |
| Salamander Design 2D<br>Salamander Design 3D<br>Salamander Streamline 76 | 13 | Y | Left | Roto Sil | 858209 |

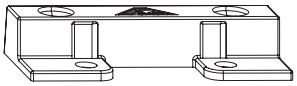
| | | | | | Nº |
|---|---|---|---|---|---|
| Salamander Design 2D<br>Salamander Design 3D<br>Salamander Streamline 76 | 13 | Y | Right | Roto Sil | 858210 |
| Salamander GreenEvolution 76 | 13 | Y | Left | Roto Sil | 897003 |
| Trocal 88+<br>Trocal InnoNova 2000<br>Trocal S900 | 13 | Y | Left | Roto Sil | 856763 |
| Trocal 88+<br>Trocal InnoNova 2000<br>Trocal S900 | 13 | Y | Right | Roto Sil | 856762 |
| Trocal InnoNova 70.A5 AD<br>Trocal InnoNova 70.M5 MD | 13 | Y | – | Roto Sil | 858211 |

**INFO**
Other versions are available upon request.

### 6.5.2.3 Tilt ventilation (TiltSafe)



| | | | | |
|---|---|---|---|---|
| Aluplast Ideal 2000<br>Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Schüco LivIng 82 | 13 | Roto Sil | Left | 816132 |
| | 13 | Roto Sil | Right | 816131 |
| Aluplast energeto 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast energeto 8000<br>Aluplast Ideal 8000<br>Aluplast Ideal 7000 | 13 | Roto Sil | Left | 795447 |
| | 13 | Roto Sil | Right | 795448 |
| Gealan S8000<br>Gealan Linear | 13 | Roto Sil | Left | 795450 |
| | 13 | Roto Sil | Right | 795451 |
| Deceuninck Eforte<br>Deceuninck Prestige AD<br>Deceuninck Prestige MD | 13 | Roto Sil | Left | 839325 |
| | 13 | Roto Sil | Right | 839327 |
| Deceuninck Elegant<br>Deceuninck Legend<br>KBE 76<br>KBE 88 MD<br>Kömmerling 76<br>Kömmerling 88 MD<br>Trocal 76<br>Trocal 88 MD | 13 | Roto Sil | Left | 795445 |
| | 13 | Roto Sil | Right | 795446 |
| Rehau S 730 AD<br>Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 986 EuroDesign 86 | 13 | Roto Sil | Left | 794922 |
| | 13 | Roto Sil | Right | 795449 |
| Salamander Streamline 76 | 13 | Roto Sil | Left | 828260 |
| | 13 | Roto Sil | Right | 828261 |
| Veka Topline AD 13<br>Veka Softline 82 MD<br>Veka Softline 76 AD<br>Veka Softline 76 MD | 13 | Roto Sil | Left | 795443 |
| | 13 | Roto Sil | Right | 795444 |



| | | | | |
|---|---|---|---|---|
| Tilt ventilation protective support (TiltSafe) | Aluplast Ideal 2000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 8000<br>Aluplast Ideal 7000<br>Gealan S8000<br>KBE 76<br>KBE 88 MD<br>Kömmerling 76<br>Kömmerling 88 MD<br>Rehau S 730 AD<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 986 EuroDesign 86<br>Schüco CT70 AD<br>Schüco SI82 MD<br>Schüco LivIng 82<br>Trocal 76<br>Trocal 88 MD<br>Veka Softline 82 MD<br>Veka Topline AD 13 | 13 | RC 2<br>RC 2 N | 816934 |

## INFO

**Recommended component for system testing (RC 2 / RC 2 N)**

The tilt ventilation protective support (TiltSafe) reduces the area of attack on the tilt ventilation security strikers (TiltSafe) to a minimum.

## 6.6 Packers

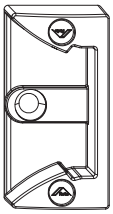


| | | № |
|---|---|---|
| Frame | Alphacan Master AD 13<br>Deceuninck Klassiek<br>Salamander 2D<br>Salamander 3D<br>Salamander Streamline 76<br>Schüco Corona AD<br>Aluplast energeto 5000<br>Aluplast energeto 8000<br>Aluplast Ideal 8000<br>Gealan Kubus | 294365 |
| | Aluplast Ideal 2000<br>Brügmann AD 13<br>Salamander BluEvolution 82<br>Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Trocal InnoNova 70.A5 AD<br>Trocal InnoNova 70.M5 MD<br>Veka Topline AD 13<br>Veka Topline MD 13<br>Salamander BluEvolution 73<br>Salamander GreenEvolution 76 | 294364 |
| | Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast Ideal 7000 | 773527 |
| | Brügmann MD 13<br>Wymar 2500 | 287070 |
| | Deceuninck Eforte<br>Deceuninck Prestige<br>Inoutic AD 13<br>Inoutic Favorite AD 13<br>Inoutic MD 100 | 294369 |
| | Deceuninck Zendow<br>Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 980 Geneo<br>Roplasto 4K<br>Roplasto 7001 AD<br>Roplasto 7001 MD<br>Deceuninck Elegant<br>Deceuninck Legend | 294469 |
| | Deceuninck Mondial VK | 477327 |
| | Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>KBE 76<br>Kömmerling 76<br>Trocal 76<br>KBE 88 MD<br>Kömmerling 88 MD<br>Trocal 88 MD | 294370 |
| | KBE AD | 294439 |
| | KBE MD<br>Trocal 88+<br>Trocal InnoNova 2000<br>Trocal S900 | 294463 |
| | KBE 70 AD<br>Kömmerling 88 Plus<br>Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance | 294464 |

# 6.7 Bullet catches

## 6.7.1 Bullet catch

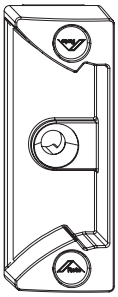
### Standard



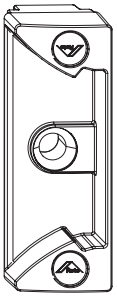
| | | | |
|---|---|---|---|
| Aluplast Ideal 2000<br>Aluplast energeto 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast energeto 8000<br>Aluplast Ideal 7000<br>Aluplast Ideal 8000<br>Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86<br>Salamander 2D<br>Salamander 3D<br>Salamander Streamline 76<br>Schüco Corona AD<br>Schüco CT70 AD<br>Schüco LivIng 82 | 13 | Roto Sil | 788572 |
| Deceuninck Arcade<br>Deceuninck Eforte<br>Deceuninck Prestige | 13 | Roto Sil | 788616 |
| Deceuninck Elegant<br>Deceuninck Legend | 13 | Roto Sil | 2025385 |
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan Linear<br>Gealan S9000<br>Wymar 2500 | 13 | Roto Sil | 788574 |
| Gealan Kubus | 13 | Roto Sil | 812365 |

| | | | Nº |
|---|---|---|---|
| Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>KBE 70 AD<br>KBE 76<br>KBE 88 MD<br>Kömmerling 76<br>Kömmerling 88 Plus<br>Kömmerling 88 MD<br>Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance<br>Plus Plan Plus Tec<br>Roplasto 4K<br>Roplasto 7001 AD<br>Roplasto 7001 MD<br>Trocal 76<br>Trocal 88 MD<br>Veka Softline 70 AD<br>Veka Softline 70 MD<br>Salamander GreenEvolution 76<br>Veka Topline AD 13<br>Veka Topline MD 13<br>Veka Softline 76 AD<br>Veka Softline 76 MD | 13 | Roto Sil | 788615 |
| KBE AD<br>Veka Softline AD 9 | 9 | Roto Sil | 788573 |

## 6.7.2 Floating mullion



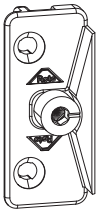
| | | | Nº |
|---|---|---|---|
| Bullet catch for lever-operated espagnolette | Screw-on | Roto Sil | 788378 |



| | | Nº |
|---|---|---|
| Bullet catch for opposite hardware groove | Roto Sil | 788507 |

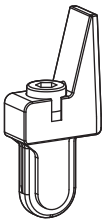
# 6.8 Lifting mishandling devices

## 6.8.1 Lifting mishandling device



| | | | |
|---|---|---|---|
| Aluplast Ideal 2000<br>Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD | 13 | Roto Sil | 260551 |
| Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Salamander 2D<br>Salamander 3D<br>Salamander BluEvolution 92<br>Salamander Streamline 76<br>Schüco Corona AD<br>Aluplast energeto 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast energeto 8000<br>Aluplast Ideal 7000<br>Aluplast Ideal 8000 | 13 | Roto Sil | 260557 |
| Brügmann AD 13<br>Brügmann MD 13 | 13 | Roto Sil | 483117 |
| Deceuninck Arcade<br>Deceuninck Eforte<br>Deceuninck Prestige AD<br>Deceuninck Prestige MD<br>Inoutic AD 13<br>Inoutic Favorite AD 13<br>Inoutic MD 100 | 13 | Roto Sil | 260550 |
| Deceuninck Zendow<br>Deceuninck Elegant<br>Deceuninck Legend<br>Deceuninck Prestige | 13 | Roto Sil | 370175 |
| Deceuninck Klassiek<br>Deceuninck Mondial VK | 13 | Roto Sil | 281636 |
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan S9000 | 13 | Roto Sil | 380118 |
| Gealan Kubus | 13 | Roto Sil | 807517 |
| KBE 70 AD<br>KBE 76<br>Kömmerling 76<br>Roplasto 4K<br>Roplasto 7001 AD<br>Roplasto 7001 MD<br>Trocal 76<br>KBE 88 MD<br>Kömmerling 88 MD<br>Trocal 88 MD | 13 | Roto Sil | 260554 |
| KBE AD | 9 | Roto Sil | 260547 |
| KBE MD<br>Trocal S900 | 9 | Roto Sil | 260553 |
| Kömmerling Eurodur 3S | 13 | Roto Sil | 260545 |
| Kömmerling 88 Plus<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance<br>Plus Plan Plus Tec | 13 | Roto Sil | 264523 |
| Panorama 2000 | 9 | Roto Sil | 281728 |

| | | | Nº |
|---|---|---|---|
| Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86 | 13 | Roto Sil | 260546 |
| Veka Alphaline 90<br>Veka Softline 70 AD<br>Veka Softline 70 MD<br>Veka Topline AD 13<br>Veka Topline MD 13<br>Wymar 3000<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Salamander GreenEvolution 76<br>Veka Softline 76 AD<br>Veka Softline 76 MD | 13 | Roto Sil | 260552 |
| Trocal 88+<br>Trocal InnoNova 2000 | 13 | Roto Sil | 290155 |
| Trocal InnoNova 70.A5 AD<br>Trocal InnoNova 70.M5 MD | 13 | Roto Sil | 336813 |
| Veka Softline AD 9 | 9 | Roto Sil | 260548 |

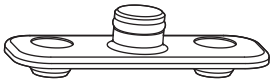


| | Nº |
|---|---|
| Insert part | 534908 |

**INFO**
Only in conjunction with SEC striker with base (hardware axis 13).

# 6.9 Turn restrictors

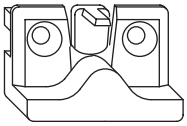
## 6.9.1 Frame components



| | | № |
|---|---|---|
| Aluplast Ideal 2000<br>Brügmann AD 13<br>Brügmann MD 13<br>Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>KBE 70 AD<br>KBE 70 MD<br>KBE AD<br>Kömmerling 3S<br>Kömmerling Eurodur 3S<br>Kömmerling Eurofutur Classic<br>Kömmerling Eurofutur Elegance<br>Plus Plan Plus Tec<br>Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 969 Synego<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86<br>Salamander 2D<br>Salamander 3D<br>Salamander Design 2D<br>Salamander Design 3D<br>Salamander Streamline 76<br>Schüco Corona AD<br>Schüco CT70 AD<br>Schüco CT70 MD<br>Trocal InnoNova 2000<br>Trocal InnoNova 70.A5 AD<br>Trocal InnoNova 70.M5 MD<br>Veka Softline AD 9<br>Veka Topline AD 13<br>Veka Topline MD 13<br>Brügmann AD 73<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>KBE 76<br>KBE 88 MD<br>Kömmerling 76<br>Kömmerling 88 MD<br>Trocal 76<br>Trocal 88 MD<br>Salamander GreenEvolution 76 | Roto Sil | 477848 |
| Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Aluplast energeto 5000 view<br>Aluplast energeto 7000<br>Aluplast Ideal 7000 | Roto Sil | 490128 |
| Deceuninck Eforte<br>Deceuninck Prestige AD<br>Deceuninck Prestige MD<br>Inoutic AD 13<br>Inoutic Favorite AD 13<br>Inoutic MD 100 | Roto Sil | 490133 |
| Gealan Kubus | Roto Sil | 807522 |
| KBE MD<br>Trocal S900 | Roto Sil | 477849 |
| Trocal 88+<br>Trocal InnoNova 2000 | Roto Sil | 490159 |

## 6.10 Night vents

### 6.10.1 Frame components



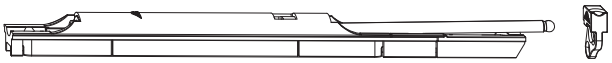
| | | | № |
|---|---|---|---|
| Aluplast Ideal 2000<br>Deceuninck Zendow<br>Roplasto 4K<br>Roplasto 7001 AD<br>Roplasto 7001 MD<br>Veka Softline 70 AD<br>Veka Softline 70 MD<br>Veka Topline AD 13<br>Veka Topline MD 13<br>Salamander BluEvolution 73<br>Salamander BluEvolution 82<br>Deceuninck Elegant<br>Deceuninck Legend<br>Salamander GreenEvolution 76<br>Veka Softline 76 AD<br>Veka Softline 76 MD | 13 | Roto Sil | 260532 |
| Aluplast Ideal 4000<br>Aluplast Ideal 5000<br>Deceuninck Klassiek<br>Deceuninck Mondial VK<br>Rehau S 735 MD<br>Rehau S 788<br>Rehau S 799 Brillant Design (S 730)<br>Rehau S 980 Geneo<br>Rehau S 986 EuroDesign 86<br>Salamander 2D<br>Salamander 3D<br>Salamander BluEvolution 92<br>Salamander Streamline 76<br>Schüco Corona AD<br>Schüco CT70 AD<br>Schüco CT70 MD<br>Schüco SI82 MD<br>Aluplast energeto 5000<br>Aluplast energeto 8000<br>Aluplast Ideal 6000<br>Aluplast Ideal 8000 | 13 | Roto Sil | 260534 |
| Brügmann AD 13<br>Brügmann MD 13 | 13 | Roto Sil | 292198 |
| Deceuninck Eforte<br>Deceuninck Prestige AD<br>Deceuninck Prestige MD<br>Inoutic AD 13<br>Inoutic MD 100 | 13 | Roto Sil | 260531 |
| Gealan S3000<br>Gealan S7000<br>Gealan S8000<br>Gealan Linear | 13 | Roto Sil | 260530 |
| KBE AD<br>Veka Softline AD 9 | 9 | Roto Sil | 260529 |
| KBE MD | 9 | Roto Sil | 260533 |
| KBE 70 AD<br>KBE 76<br>Kömmerling 76<br>Plus Plan Plus Tec<br>Trocal 76<br>KBE 88 MD<br>Kömmerling 88 MD<br>Trocal 88 MD | 13 | Roto Sil | 263232 |
| Kömmerling 88 Plus<br>Kömmerling Eurodur 3S | 13 | Roto Sil | 260528 |
| Trocal InnoNova 70.A5 AD<br>Trocal InnoNova 70.M5 MD | 13 | Roto Sil | 336815 |

| | | | Nº |
|---|---|---|---|
| Trocal 88+<br>Trocal InnoNova 2000<br>Trocal S900 | 9<br>13 | Roto Sil | 451418 |
| Wymar 2500 | 13 | Roto Sil | 284627 |
| Wymar 3000 | 13 | Roto Sil | 374159 |

**INFO**
The component can only be used in conjunction with a corner drive (P or V cam).

## 6.11 Load transfer

### 6.11.1 Hinge side C (HA 13)

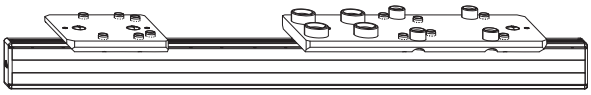


| | | | Nº |
|---|---|---|---|
| Frame component | max. 180 kg | Roto Sil | 2005292 |
| Sash component | max. 180 kg | Roto Sil | 2005293 |

# 7 Jigs

## 7.1 Drilling jigs

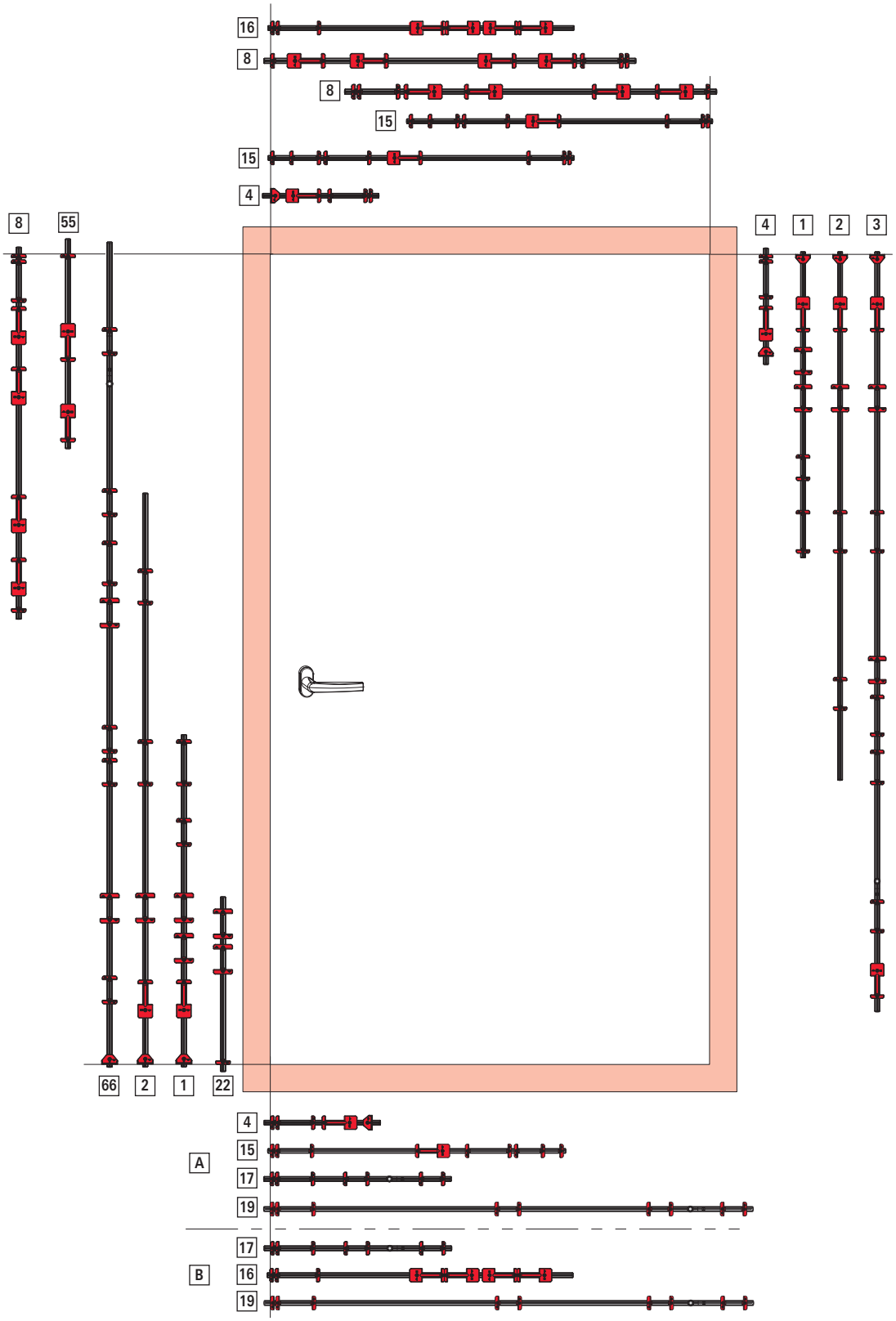
### 7.1.1 Pivot rest, stay bearing and turn restrictor



| | | | | |
|---|---|---|---|---|
| Pivot rest, stay bearing and turn restrictor | – | 24 | 2 x Ø 7 mm | 2021444 |
| | for flush profiles | 24 | 2 x Ø 7 mm | 2029398 |
| | – | 30 | 2 x Ø 7 mm | 2021445 |
| | for flush profiles | 30 | 2 x Ø 7 mm | 2029799 |

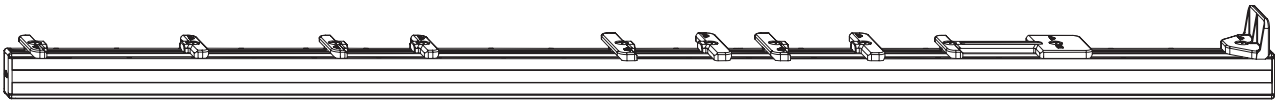
## 7.2 Positioning jigs

### 7.2.1 T&T espagnolette – fixed handle height



| Item | Assignment | Application range | T&T | | T-O | Single jig |
|---|---|---|---|---|---|---|
| | | | BSec | RC 1 N | BSec | |
| Espagnolette side | [22] | SRH 511 – 800 | ■ | ■ | ■ | Standard |
| | [1] | SRH 801 – 1000 | ■ | ■ | ■ | |
| | [2] | SRH 1001 – 1600 | ■ | ■ | ■ | |
| | [66] | SRH 1601 – 3000 | ■ | ■ | ■ | |
| | [55] | SRH 2401 – 2800 | ■ | ■ | ■ | |
| | [8] | SRH 2801 – 3000 | ■ | – | ■ | |
| Hinge side | [4] | SRH 285 – 800 | ■ | ■ | – | Tilt striker / corner drive |
| | [1] | SRH 801 – 1400 | ■ | ■ | ■ | Standard |
| | [2] | SRH 1401 – 1800 | ■ | ■ | – | |
| | [3] | SRH 1801 – 2600 | ■ | ■ | ■ | |
| Horizontal at the top | [4] | SRW 340 – 800 | ■ | ■ | ■ | Tilt striker / corner drive |
| | [15] | SRW 801 – 1000 | ■ | ■ | – | Centre lock |
| | [8] | BSec: SRW 1001 – 1750<br>RC 1 N: 1001 – 1600 | ■ | ■ | – | |
| | [16] | SRW 801 – 1600 | – | – | ■ | Turn-Only sash |
| Horizontal at the bottom | [4] | SRW 340 – 800 | ■ | – | ■ | Tilt striker / corner drive |
| | [16] | BSec: SRW 1001 – 1600<br>RC 1 N: 1051 – 1450 | ■ | ■ | ■ | Turn-Only sash |
| | [17] | BSec: SRW 801 – 850<br>RC 1 N: 450 – 1050 | ■ | ■ | – | Centre lock |
| | [15] | SRW 801 – 1200 | ■ | – | – | |
| | [19] | BSec: SRW 1201 – 1750<br>RC 1 N: 1451 – 1600 | ■ | ■ | – | |

## 7.2.1.1 Standard



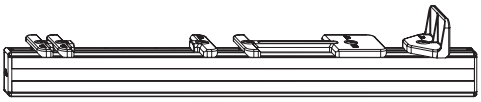
### Espagnolette side

| | | | № |
|---|---|---|---|
| Standard | 511 – 800 | No. 22 | 2033841 |
| | 801 – 1400 | No. 1 | 290048 |
| | 1401 – 1600 | No. 2 | 290049 |
| | 1601 – 2800 | No. 66 | 798211 |
| | 2401 – 2600 | No. 55 | 640440 |

### Hinge side

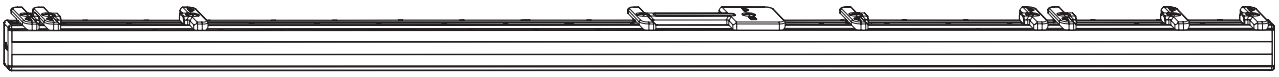
| | | | № |
|---|---|---|---|
| Standard | 801 – 1400 | No. 1 | 290048 |
| | 1401 – 1600 | No. 2 | 290049 |
| | 1601 – 2600 | No. 3 | 290050 |

### 7.2.1.2 Tilt striker / corner drive



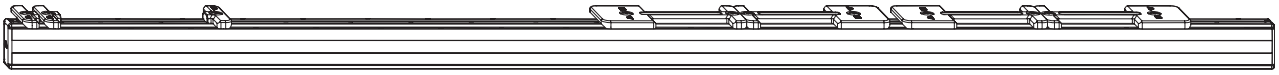
| | | | | | |
|---|---|---|---|---|---|
| Tilt striker / corner drive | 280 – 800 | 290 – 800 | Top<br>Bottom<br>Hinge side | No. 4 | 290051 |

### 7.2.1.3 Centre lock



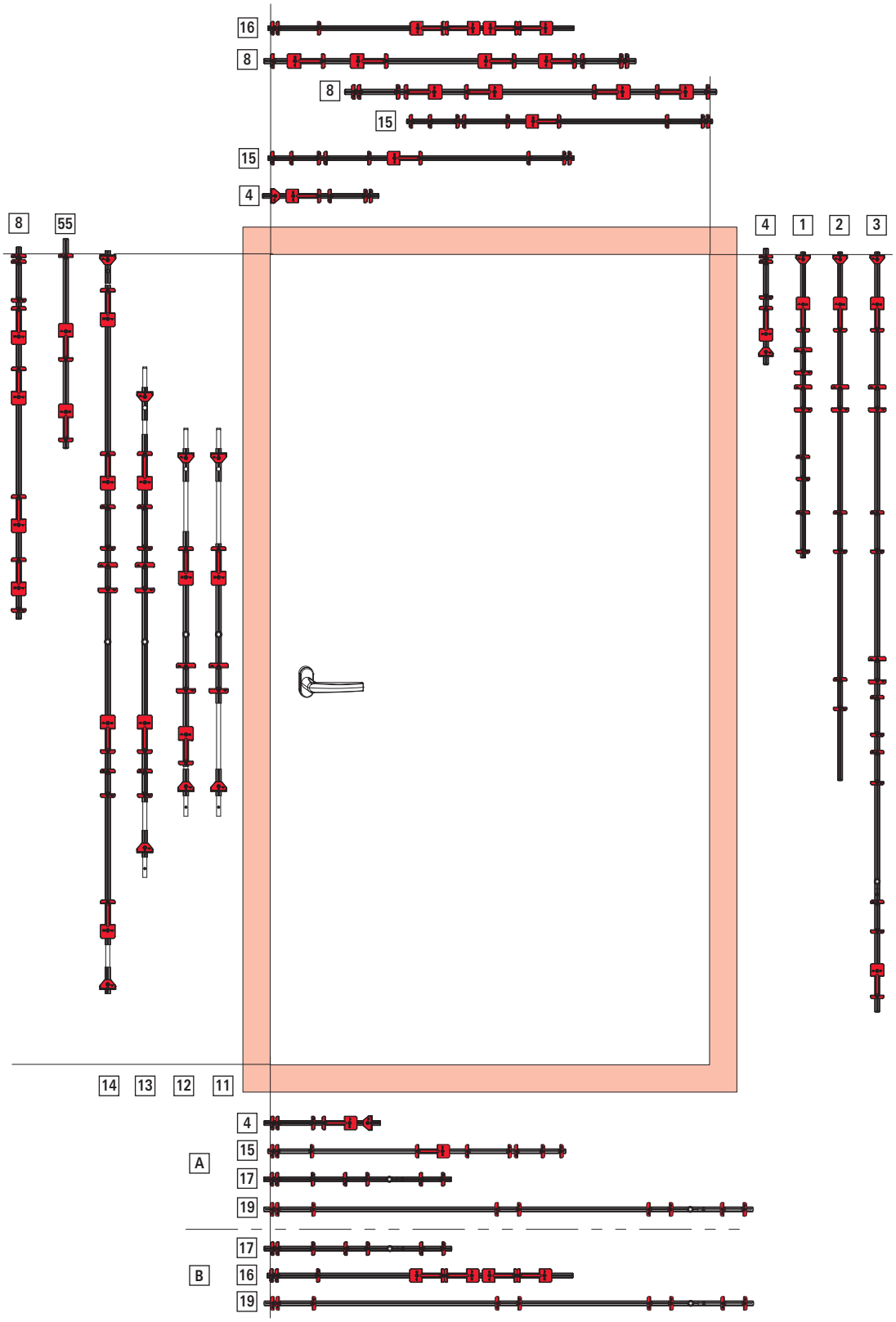
| | | | | | |
|---|---|---|---|---|---|
| Centre lock | 320 – 730 | Bottom | RC 1 N | No. 17 | 263335 |
| | 801 – 1600 | Top<br>Bottom | Basic security<br>RC 1 N | No. 15 | 311892 |
| | 1201 – 1600 | Top<br>Bottom | Basic security<br>RC 1 N | No. 8 | 290075 |
| | 1201 – 1600 | Bottom | Basic security<br>RC 1 N | No. 19 | 263337 |

### 7.2.1.4 Turn-Only sash



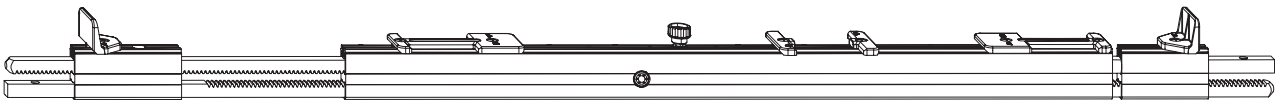
| | | | | |
|---|---|---|---|---|
| Turn-Only sash | 801 – 1400 | Top<br>Bottom | No. 16 | 311893 |

## 7.2.2 T&T espagnolette – centred / variable handle height



| Item | Assignment | Application range | T&T | | T-O | Single jig |
|---|---|---|---|---|---|---|
| | | | BSec | RC 1 N | BSec | |
| Espagnolette side | [11] | SRH 621 – 1200 | ■ | ■ | ■ | Standard |
| | [12] | SRH 1201 – 1600 | ■ | ■ | ■ | |
| | [13] | SRH 1601 – 2000 | ■ | ■ | ■ | |
| | [14] | SRH 2001 – 3000 | ■ | ■ | ■ | |
| | [55] | SRH 2401 – 2800 | ■ | ■ | ■ | |
| | [8] | SRH 2801 – 3000 | ■ | – | ■ | |
| Hinge side | [4] | SRH 285 – 800 | ■ | ■ | – | Tilt striker / corner drive |
| | [1] | SRH 801 – 1400 | ■ | ■ | ■ | Standard |
| | [2] | SRH 1401 – 1800 | ■ | ■ | – | |
| | [3] | SRH 1801 – 2600 | ■ | ■ | ■ | |
| Horizontal at the top | [4] | SRW 340 – 800 | ■ | ■ | ■ | Tilt striker / corner drive |
| | [15] | SRW 801 – 1000 | ■ | ■ | – | Centre lock |
| | [8] | BSec: SRW 1001 – 1750<br>RC 1 N: 1001 – 1600 | ■ | ■ | – | |
| | [16] | SRW 801 – 1600 | – | – | ■ | Turn-Only sash |
| Horizontal at the bottom | [4] | SRW 340 – 800 | ■ | – | ■ | Tilt striker / corner drive |
| | [16] | BSec: SRW 1001 – 1600<br>RC 1 N: 1051 – 1450 | ■ | ■ | ■ | Turn-Only sash |
| | [17] | BSec: SRW 801 – 850<br>RC 1 N: 450 – 1050 | ■ | ■ | – | Centre lock |
| | [15] | SRW 801 – 1200 | ■ | – | – | |
| | [19] | BSec: SRW 1201 – 1750<br>RC 1 N: 1451 – 1600 | ■ | ■ | – | |

## 7.2.2.1 Standard



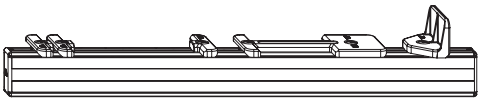
### Espagnolette side

| | | | | | Nº |
|---|---|---|---|---|---|
| Standard | Basic security RC 1 N | 621 – 1200 | Espagnolette side | No. 11 | 268943 |
| | Basic security RC 1 N | 1001 – 1600 | Espagnolette side | No. 12 | 798480 |
| | Basic security RC 1 N | 1601 – 2000 | Espagnolette side | No. 13 | 787401 |
| | Basic security RC 1 N | 2001 – 2400 | Espagnolette side | No. 14 | 787402 |
| | Basic security RC 1 N | 2401 – 2800 | Espagnolette side | No. 55 | 808454 |

### Hinge side

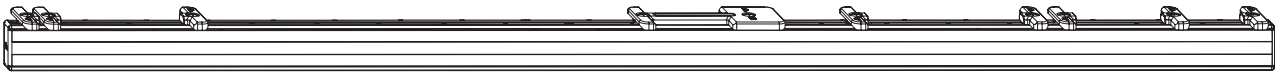
| | | | Nº |
|---|---|---|---|
| Standard | 801 – 1400 | No. 1 | 290048 |
| | 1401 – 1600 | No. 2 | 290049 |
| | 1601 – 2600 | No. 3 | 290050 |

### 7.2.2.2 Tilt striker / corner drive



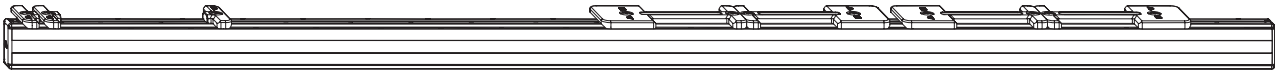
| | | | | | |
|---|---|---|---|---|---|
| Tilt striker / corner drive | 280 – 800 | 290 – 800 | Top<br>Bottom<br>Hinge side | No. 4 | 290051 |

### 7.2.2.3 Centre lock



| | | | | | |
|---|---|---|---|---|---|
| Centre lock | 320 – 730 | Bottom | RC 1 N | No. 17 | 263335 |
| | 801 – 1600 | Top<br>Bottom | Basic security<br>RC 1 N | No. 15 | 311892 |
| | 1201 – 1600 | Top<br>Bottom | Basic security<br>RC 1 N | No. 8 | 290075 |
| | 1201 – 1600 | Bottom | Basic security<br>RC 1 N | No. 19 | 263337 |

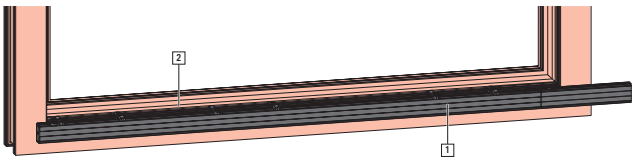
### 7.2.2.4 Turn-Only sash



| | | | | |
|---|---|---|---|---|
| Turn-Only sash | 801 – 1400 | Top<br>Bottom | No. 16 | 311893 |

## 7.2.3 Positioning jigs

1. Place the positioning jig [1] on the frame [2].




2. Position the frame components.

# 8 Installation

## 8.1 Processing instructions

### Maximum sash sizes and weights

The specifications, application diagrams and component assignments which can be found in the hardware manufacturer's product-specific documents provide information on the maximum permitted sash sizes and weights. The component with the lowest permitted load bearing capacity determines the maximum permitted sash weight.

- Before using electronic data records and implementing them in window fabrication programs in particular, check that they match the specifications, application diagrams and component assignments.
- Never exceed the maximum permitted sash sizes and weights. If any points are unclear, contact the hardware manufacturer.

### Specifications from profile manufacturers

The element manufacturer must comply with all specified system dimensions (e.g. gasket gap dimensions or locking distances).

They must continue to ensure and check this on a regular basis, especially when new hardware components are used for the first time, during production and on a continuous basis, up to and including element installation.

**INFO**
The hardware components are always designed in such a way that any system dimensions affected by the hardware can be adjusted. The hardware manufacturer shall not be liable for any additional expenses incurred if a deviation from these dimensions is not discovered until after the element has been installed.

### Combining hardware

Burglar inhibiting elements need hardware which meets special requirements.

Elements for wet rooms and those for use in environments with aggressive, corrosive constituents in the air require hardware that meets special requirements.

The resistance of elements to wind loads when they are closed and locked depends on the individual design of the element. The hardware system is capable of handling wind loads specified by legislation and standards (for example in accordance with EN 12210 – especially test pressure P3).

Coordinate suitable hardware combinations and installation procedures in elements with the hardware manufacturer and profile manufacturer for the areas listed above, and conclude a separate agreement for them.

**INFO**
The hardware manufacturer's specifications on the combination of hardware (e.g. the use of additional scissor stays, the design of hardware for burglar-inhibiting elements, etc.) are binding.

In general, the hardware defined in this document is capable of meeting statutory and normative requirements for accessible dwellings.

### Installation surfaces

The frame and sash grooves must be free from construction materials (such as plaster, gypsum). The sash groove must be free from welding residue to ensure an optimum supporting surface for the hardware components.

## 8.2 Screw fixing

Electrogalvanised and passivated steel fenestration screws (Ø 3.9 – 4.2 x …) are to be used to fasten the hardware components; in more challenging climatic conditions, use fenestration screws with additional sealing.

When attaching security-relevant, load-bearing hardware components (hinge sides), the manufacturer of windows and balcony doors must prove the specified forces in accordance with the table below (excerpt from Directive TBDK issued by the Gütegemeinschaft Schlösser und Beschläge e. V. quality assurance association) by means of testing and ensure them on their product.

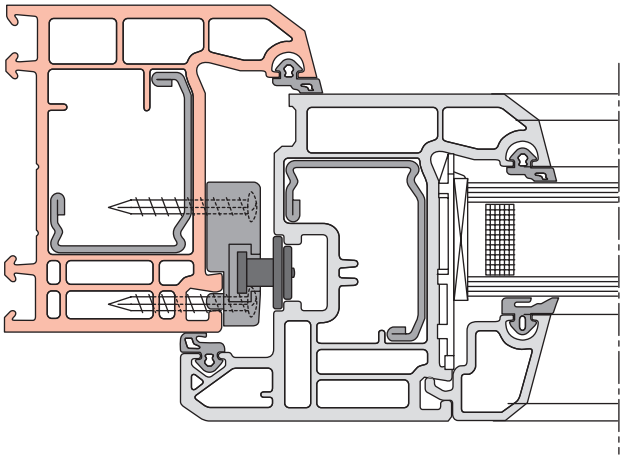
**INFO**
Observe directive TBDK for tractive force values as a function of the sash weights.
Further information can be found at www.guetegemeinschaft-schloss-beschlag.de.

The spacer block guidelines for glazing methods must be complied with.

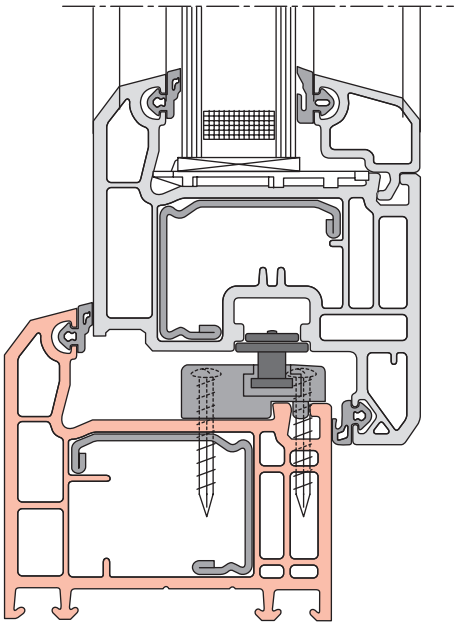
## 8.3 Fastening suggestion for security windows

### Fastening SEC strikers

3x screws 4x ... Through all walls if attachment through steel reinforcement is not possible.



Horizontal cross section M 1:2



Vertical cross section M 1:2

### Glazing bead attachment

With screws if required.

## 8.4 Screw connections

**DANGER**

**Incorrectly installed or screwed-in hardware components present a risk of death.**

Incorrectly installed and screwed-in hardware components may lead to hazardous situations and cause serious or fatal accidents.

- During installation and screwdriving work, observe the specifications provided by the profile manufacturer; contact the profile manufacturer if necessary.
- Use the recommended screws.
- Select the length of the screws according to the profiles used.
- Ensure that the hardware components are adequately secured; contact the screw manufacturer if necessary.

**ATTENTION**

**Using incorrect screw material may cause property damage.**

Using the wrong screws may damage the components.

- Only use galvanised zinc-plated and passivated steel screws.
- Use screws with additional sealing in more challenging climatic conditions.
- Use stainless-steel screws on stainless-steel components only.
- For aluminium components, use screws made of steel (coated with zinc-nickel or zinc flakes) or stainless steel.

**ATTENTION**

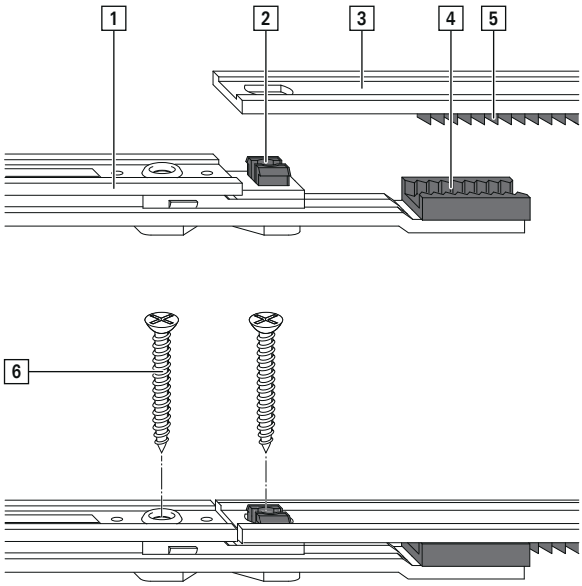
**Improper screw fixings may cause property damage.**

Improper screw fixings may damage the components and the element as a whole, and stop them from working properly.

- Unless stated otherwise, turn screws in straight.
- Tighten screw heads until they are flush with the surface.
- Do not over-tighten screws. Note the torque. Choose a torque that will not deform the hardware and profile. Define profile-specific torques on the basis of the demo assembly.
- Use the recommended screws.
- Select the length of the screws according to the profiles used.

## 8.5 Force-fit connection

Couplable hardware components always require a force-fit connection.




| Assignment | Description |
|---|---|
| [1] | Component A |
| [2] | Screw guide with clamp |
| [3] | Component B |
| [4] | Component A toothed segment |
| [5] | Component B toothed segment |
| [6] | Screw |

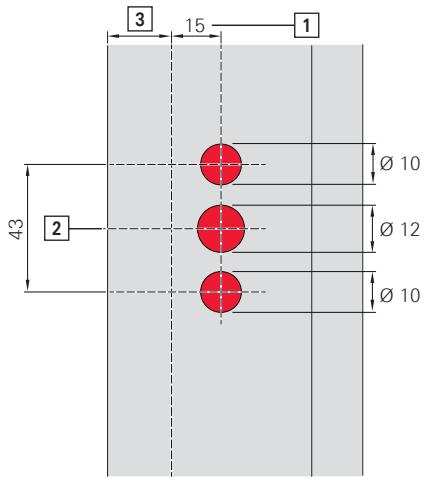
Force-fit connections are formed by screwing down components A and B so that forces and movements are transferred without loss.

**INFO**

All couplable components are delivered attached in the centre.

# 8.6 Drilling and routing dimensions

## 8.6.1 T&T espagnolette




Drill holes for sprocket and handle cam

[1] Backset

[2] Handle height

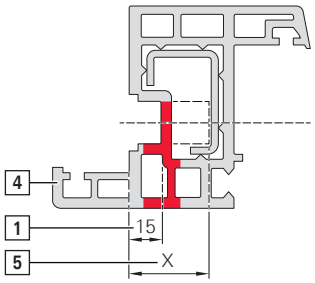
[3] Overlap width

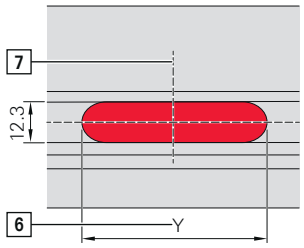
[4] Overlap height: 16 to 22 mm

Drill hole Ø 10: drilling depth = overlap height + 17 mm for countersunk screws (ISO 7046-1 M5 x …)

Drill hole Ø 12: drilling depth = overlap height + 17 mm

[5] Routing depth (X) min. = backset + 12.5 mm




Gearbox routing

[6] Routing length (Y)

Backset 8 = min. 30 mm

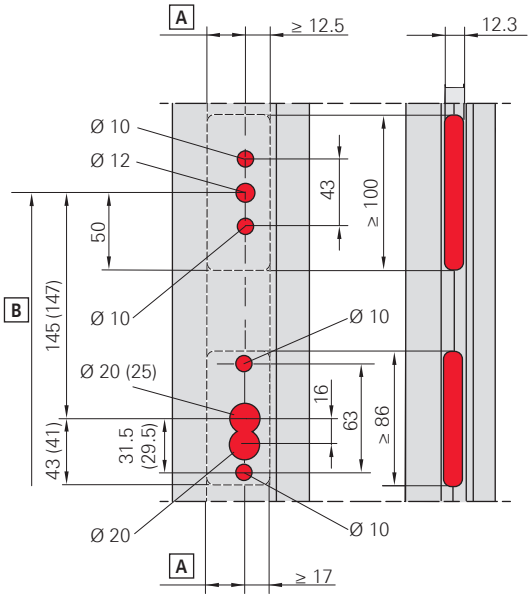
Backset 15 = min. 65 mm

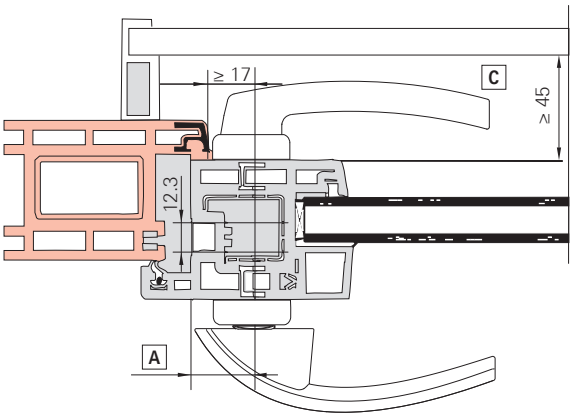
Backset 25 to backset 50 = min. 100 mm

[7] Centre of gearbox

Routing depth min. 28 mm

## 8.6.2 High backset espagnolette



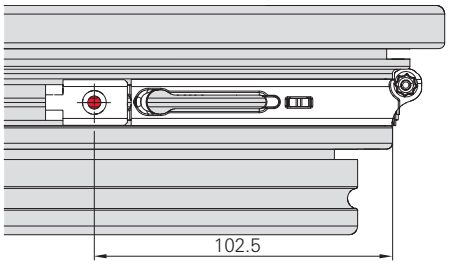



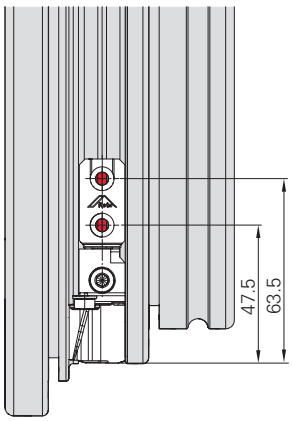

Values in brackets for round cylinder.

| Assignment | Meaning |
|---|---|
| [A] | Backset |
| [B] | Handle height |
| [C] | On roller shutters |

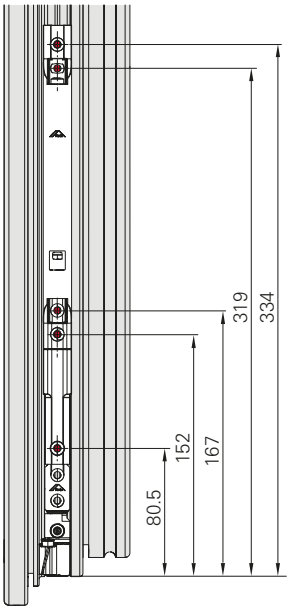
**INFO**
Cross section: doors (inward opening).

## 8.6.3 Corner hinge



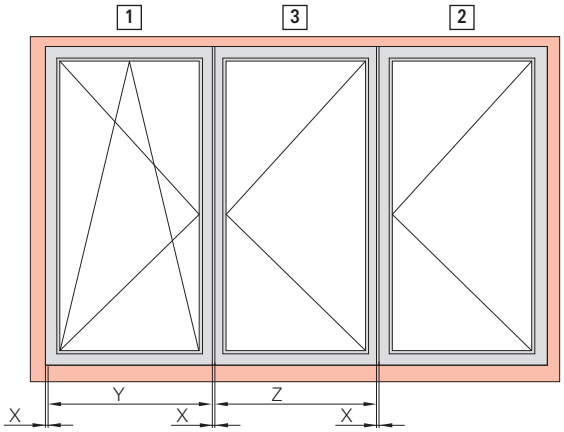



## 8.6.4 Load transfer



## 8.6.5 Centre sash pivot rest

### 8.6.5.1 With drilling jig




[1] First opening sash
[2] Second opening sash
[3] Centre sash

Position of drilling jig = X + Y + X + Z + X

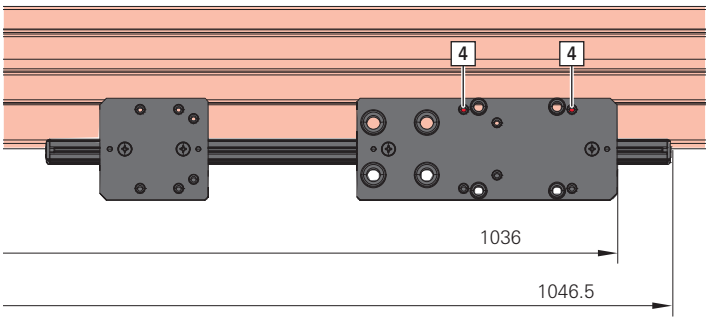
**Example**

X (rebate clearance) = 12

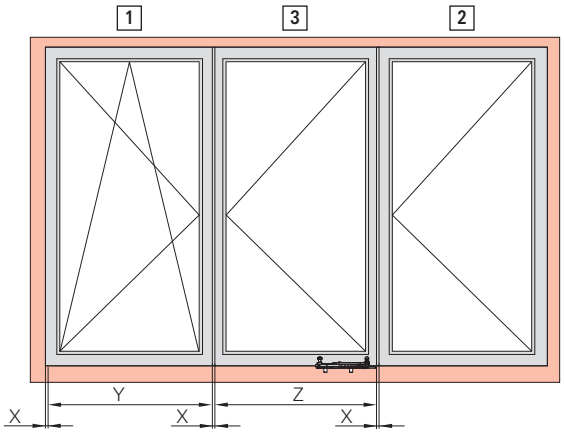
Y (SRW 1) = 500

Z (SRW 3) = 500

Position of drilling jig = 1036



### 8.6.5.2 Drilling position above outer edge of pivot rest




[1] First opening sash
[2] Second opening sash
[3] Centre sash

Drilling position = X + Y + X + Z + X + 10.5

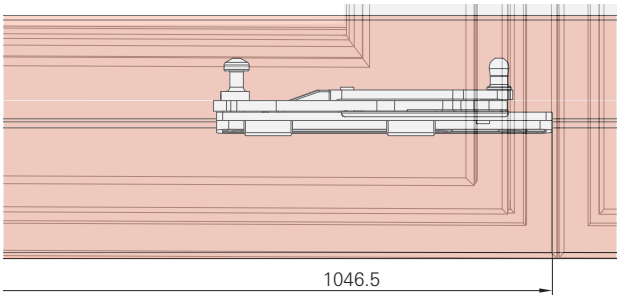
**Example**

X (rebate clearance) = 12

Y (SRW 1) = 500

Z (SRW 3) = 500

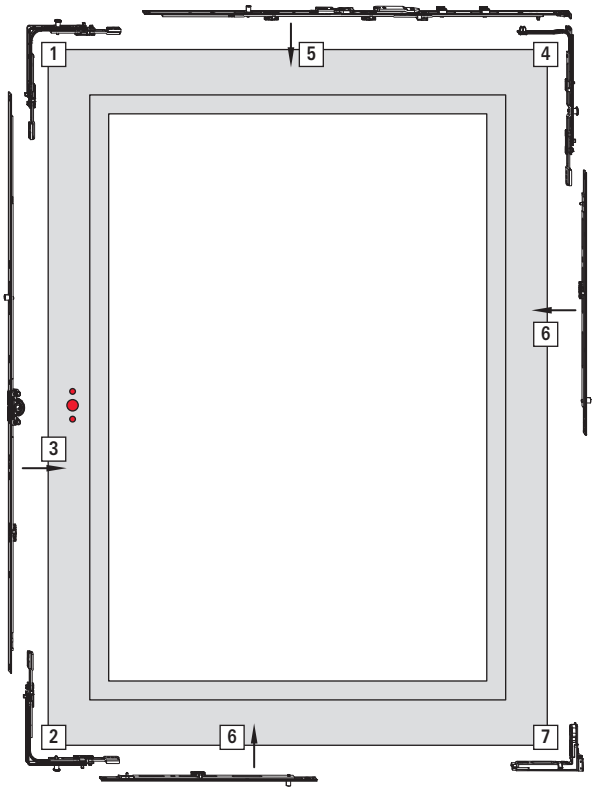
Stop position = 1046.5



# 8.7 Sash

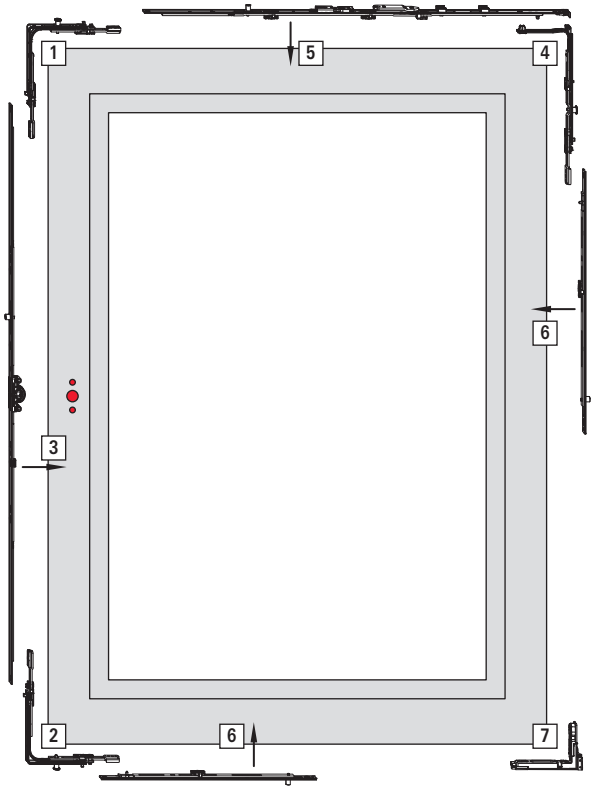
## 8.7.1 Installation sequence

**T&T espagnolette, VT – fixed handle height**




[1] Corner drive, standard
[2] Corner drive, standard
[3] T&T espagnolette
[4] Sash stay corner drive
[5] Stay guide
[6] Centre lock, vertical and horizontal
[7] Corner hinge

### T&T espagnolette – centred / variable handle height



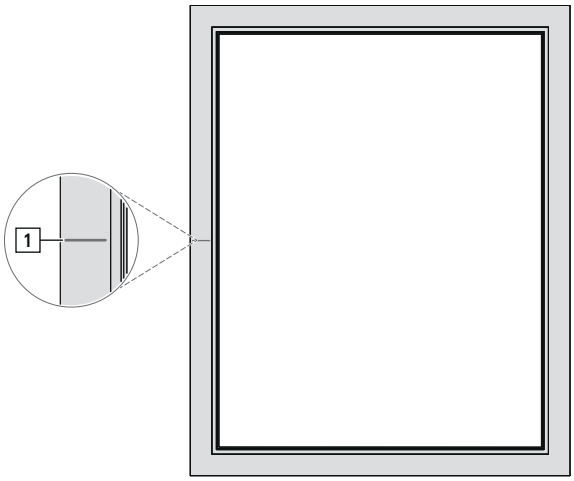

[1] Corner drive, standard
[2] Corner drive, standard
[3] T&T espagnolette
[4] Sash stay corner drive
[5] Stay guide
[6] Centre lock, vertical and horizontal
[7] Corner hinge

## 8.7.2 Preparing the sash for the T&T espagnolette

### 8.7.2.1 Handle drill holes

#### Drilling the holes for the handle

1. Mark the handle height on the inside of the sash [1].




2. Drill holes.
   Note any different drilling dimensions. → *8.6 "Drilling and routing dimensions" from page 219*

3. Deburr the drill holes.

### 8.7.2.2 Gearbox cutout

#### Routing the gearbox cutout

1. Route the espagnolette cutout.
   Observe the routing dimensions. → *8.6 "Drilling and routing dimensions" from page 219*

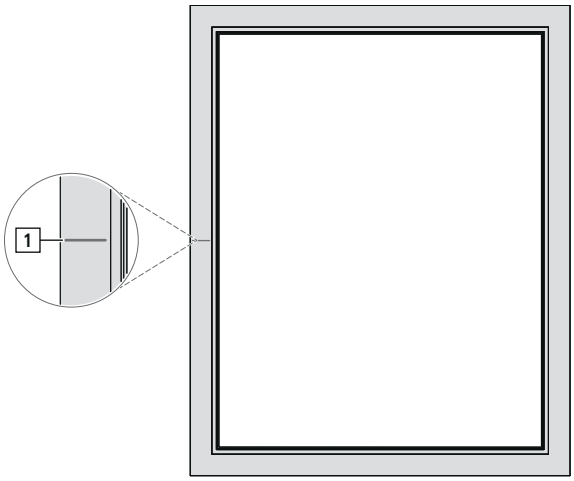
2. Deburr the espagnolette cutout.

## 8.7.3 Preparing the sash for a lockable T&T espagnolette

### 8.7.3.1 Handle drill holes

#### Drilling the holes for the handle

1. Mark the handle height on the inside of the sash [1].




2. Drill holes.
   Note any different drilling dimensions. → *8.6 "Drilling and routing dimensions" from page 219*

3. Deburr the drill holes.

### 8.7.3.2 Gearbox cutout with lock casing

#### Routing the gearbox cutout with lock casing

1. Route the espagnolette cutout.
   Observe the routing dimensions. → *8.6 "Drilling and routing dimensions" from page 219*

2. Deburr the espagnolette cutout.

## 8.7.4 Cropping the hardware components

**ATTENTION**

**Incorrect cropping methods may result in property damage.**

If the hardware components are inserted into the sash too early, the screw guide will engage and will be destroyed when removed.

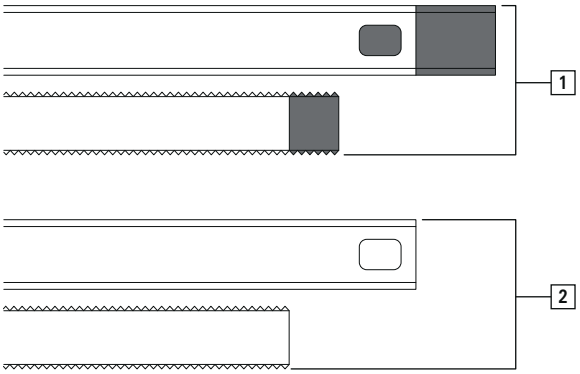
- Only lay out the hardware components and do not insert them into the sash before they have been cropped.

The following hardware components are cropped:

- Espagnolette
- Stay guide

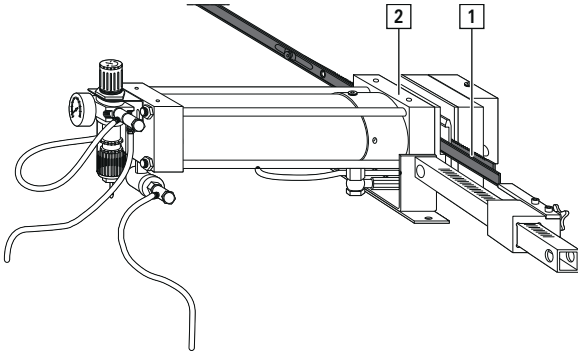
### Cropping with a pneumatic cropper (hole punching)

In the delivery state, hardware components are 10 mm longer than the nominal dimension.




| Assignment | Description |
|---|---|
| [1] | Hardware delivery state |
| [2] | Hardware, cropped |

1. Place the hardware component in the required position.
2. Mark the length on the hardware component.
3. Insert the hardware component [1] into the pneumatic cropper [2].

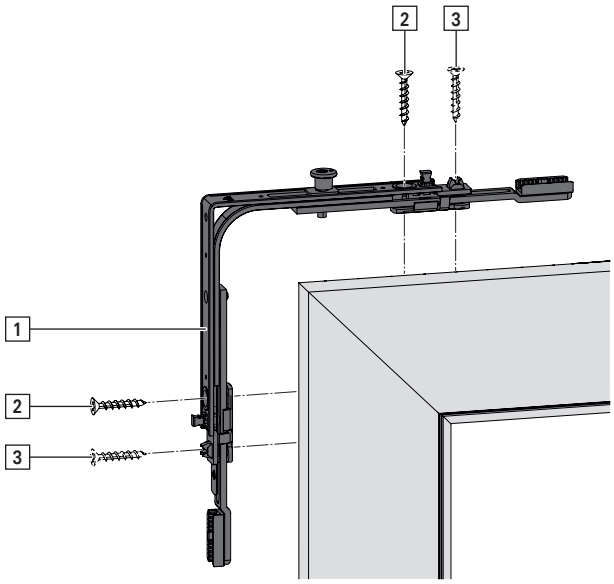



4. Align the hardware component.
5. Crop the hardware component.

## 8.7.5 Corner drive

### Installing the corner drive

1. Insert the corner drives [1] and screw them down with two screws [2].




2. After all of the connector components have been installed, screw down the corner drives with a further two screws [3]. → *8.5 "Force-fit connection" from page 218*

## 8.7.6 T&T espagnolettes

### 8.7.6.1 Fixed handle height

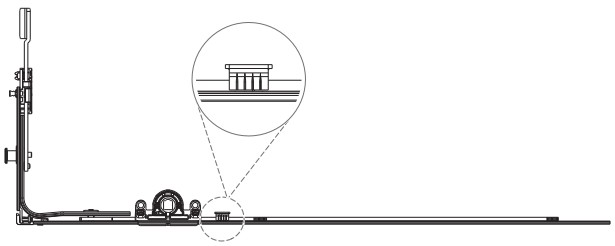
**PRECONDITION**
With SRH > 2400 mm, insert the centre lock, multipart, at the top on the locking side and create a force-fit connection.

### Installing the T&T espagnolette

1. Place the espagnolette in the required position, mark the length on one side and crop it .

2. Insert the espagnolette with the cropped side facing upwards and create a force-fit connection. → *8.5 "Force-fit connection" from page 218*

**INFO**
With SRH 280 – 290 mm, the screw guide must be removed (e.g. using pliers).



### 8.7.6.2 Centred / variable handle height

**PRECONDITION**

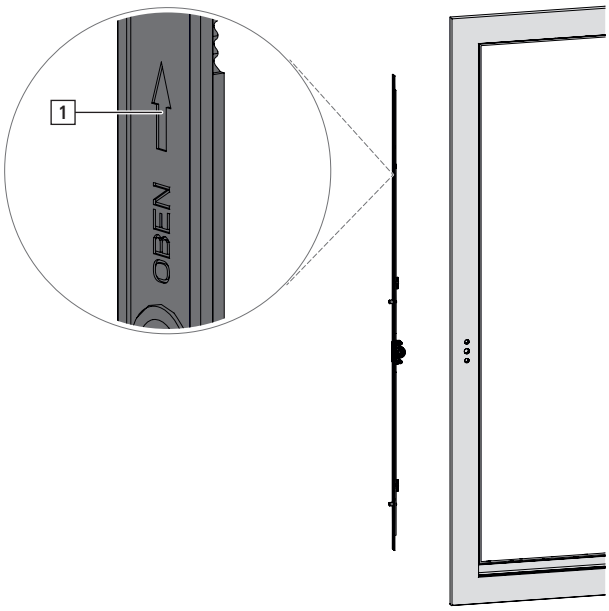
With SRH > 2400 mm, insert the centre lock, multipart, at the top on the locking side and create a force-fit connection.

**Installing the T&T espagnolette**

1. Place the espagnolette in the required position, mark the length on both sides, remove it and crop it .

2. Insert the espagnolette. Ensure it is installed in the correct direction, with the arrow [1] pointing upwards.

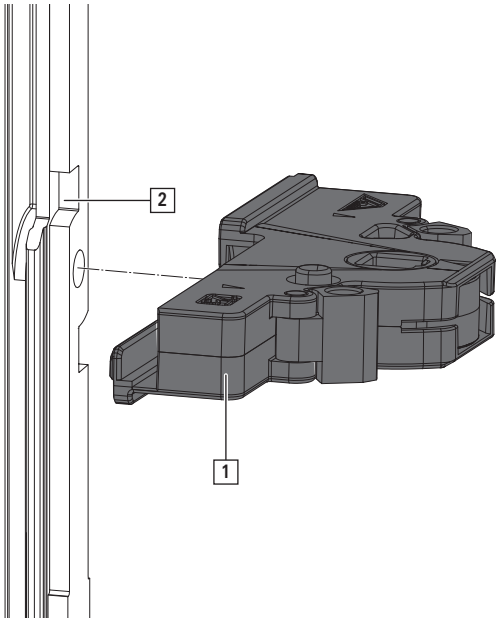
   Create a force-fit connection. → *8.5 "Force-fit connection" from page 218*



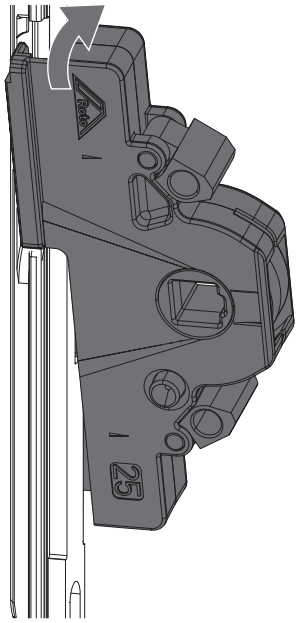
## 8.7.7 T&T espagnolette BS ≥ 25

**Gearbox**

1. Insert the gearbox [1] into the espagnolette faceplate [2] rotated by 90°. While doing so, insert the cam into the hole provided.




2. Turn the gearbox clockwise until the gearbox clicks into place.
   The gearbox is positioned flush with the espagnolette faceplate.

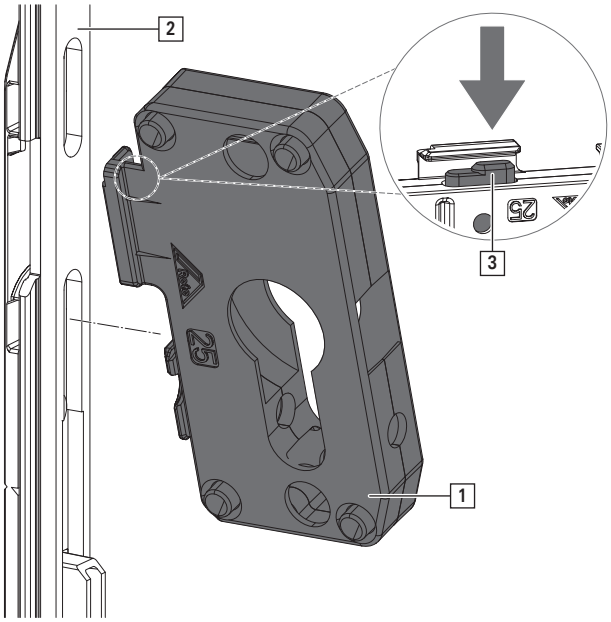



3. For dismantling, turn the gearbox anticlockwise until the gearbox comes out of the groove. Remove from the espagnolette faceplate.

### Lock casing

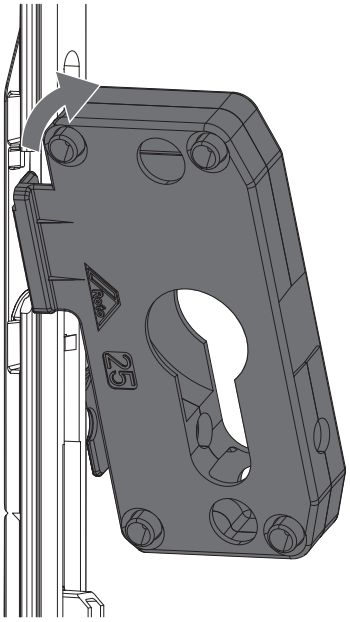
1. If the locking lug [3] is protruding, push it back into the lock casing [1].

   Turn the lock casing slightly before inserting it into the espagnolette faceplate [2].




2. Insert the lock casing into the groove and turn clockwise until the lock casing clicks into place.

   The lock casing is positioned flush with the espagnolette faceplate.



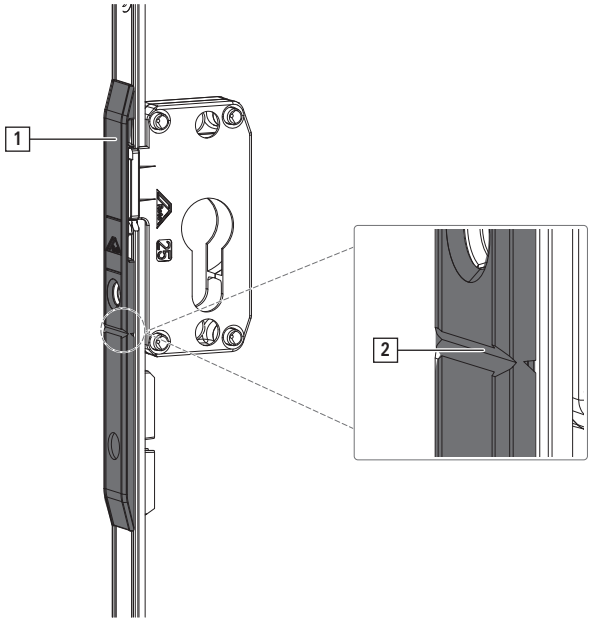

> **ATTENTION**
> **Improper installation of the lock casing may cause property damage.**
> Turning the lock casing in incorrectly can damage the links.
> - Ensure ease of movement when turning in.
> - Reposition the lock casing if excessive force is required.

3. For dismantling, turn the lock casing anticlockwise until the lock casing comes out of the groove.

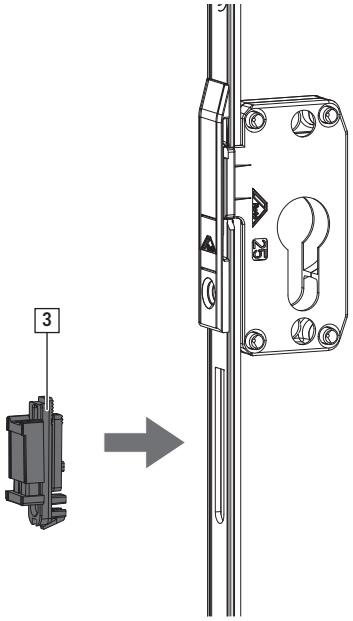
   Remove from the espagnolette faceplate.

## Bullet catch

1. Snap the cover [1] apart at the notch [2].
   Remove the lower part of the cover.

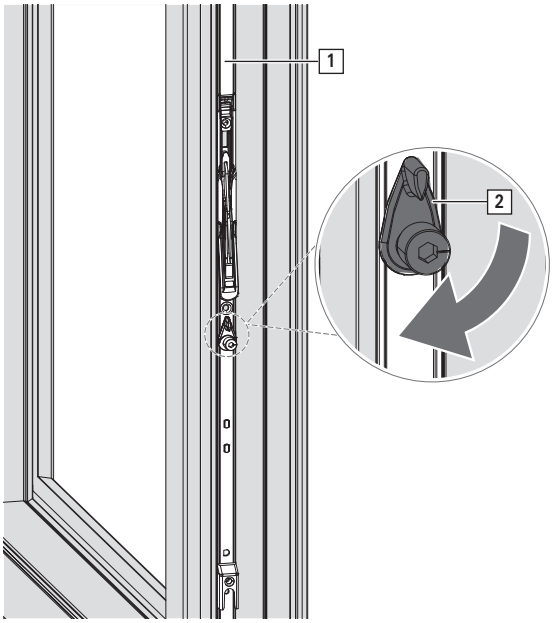



2. Insert the bullet catch [3].



## 8.7.8 Lever-operated espagnolette Plus

1. Insert the lever-operated espagnolette [1] into the sash groove.
   For installation in the right-hand sash, turn the eccentric bolt [2] 180°.



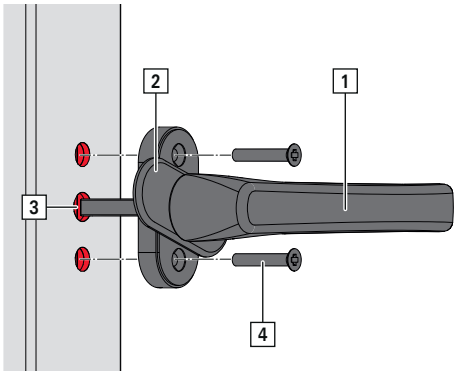

2. Mount the second opening sash with the lever-operated espagnolette open (as delivered).

## 8.7.9 Handle

### 8.7.9.1 Handle – T&T espagnolette

1. Move the handle [1] to the turn position (horizontally aligned with the escutcheon).

2. Rotate the cover [2] on the handle 90°.




3. Insert the handle into the sash [3].

4. Screw down the handle using screws [4].

5. Rotate the cover on the handle back 90°.

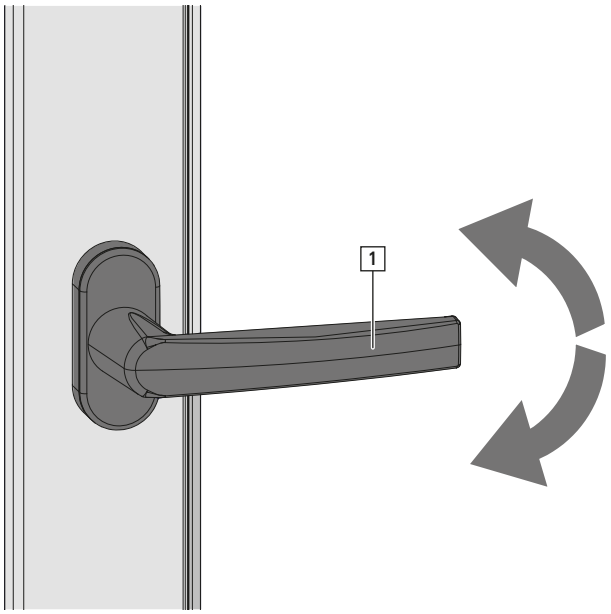
### 8.7.9.2 Centre fixing

**INFO**
All coupleable components are delivered attached in the centre.

**Undoing the centre fixing**

Turning the handle undoes the centre fixing of the hardware components. Undo the centre fixing with the sash open.

1. Turn the handle [1] in one direction as far as it will go.
   Audible cracking noise.



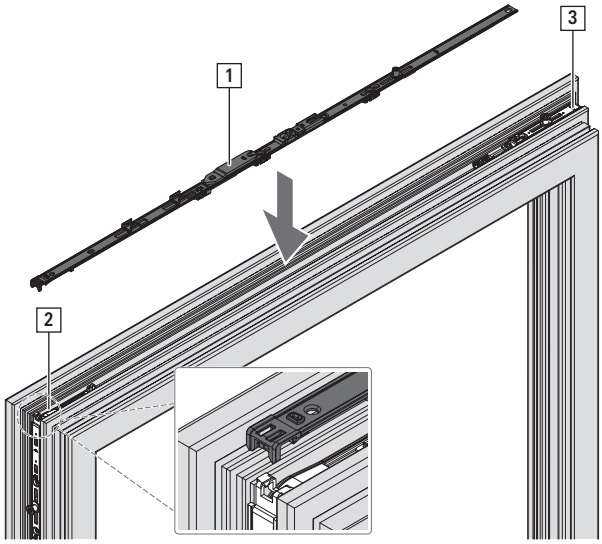

2. Turn the handle in the opposite direction as far as it will go.
   Audible cracking noise.

3. Turn the handle in both directions again and check for ease of movement.

## 8.7.10 Stay guide

**INFO**
From SRH < 600 mm, set the tilt depth to 80 mm (on windows without overlap gasket from SRH < 900 mm).

1. Insert the stay guide [1] into the sash groove and clip it into the sash stay corner drive [2].



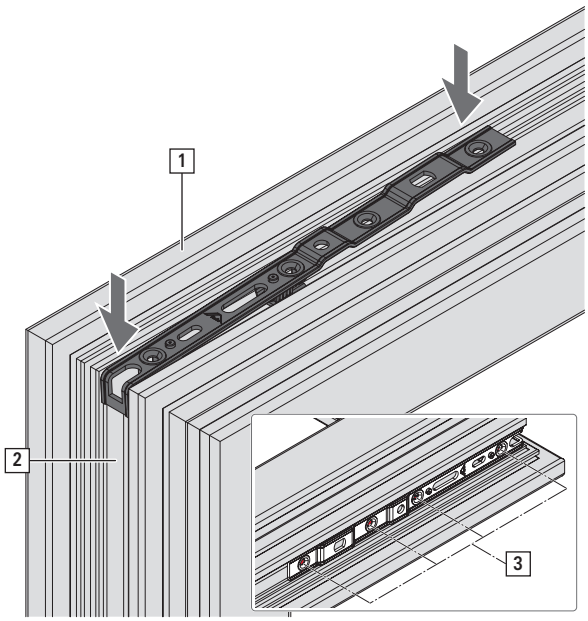

2. Connect the stay guide to the corner drive [3]. Create a force-fit connection → *from page 218*.

3. Screw down the stay guide. Use all screw positions.

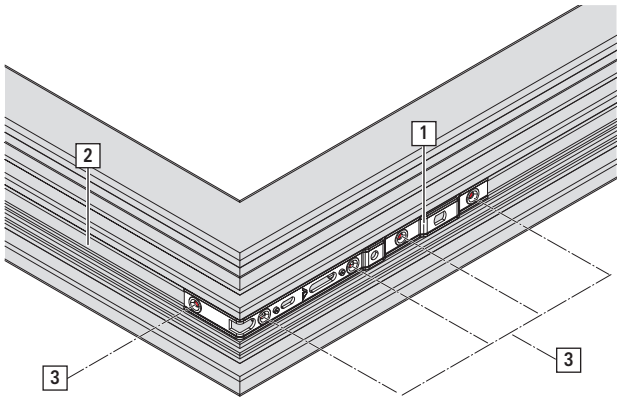
## 8.7.11 Rebate stay guide

1. Push the rebate stay guide [1] into the sash groove [2].
   Check that it is seated flush.

2. **Turn-Only sash**
   Fasten with four screws [3].

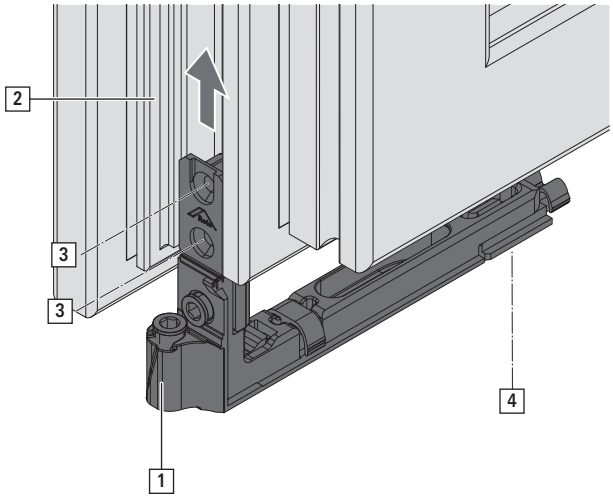



3. **Tilt-Only sash**
   Fasten with five screws [3].



## 8.7.12 Corner hinge

1. Place the corner hinge [1] on the sash [2] and push it upwards in the sash groove.
   Check that it is seated flush.




2. Fasten with three screws [3] + [4].

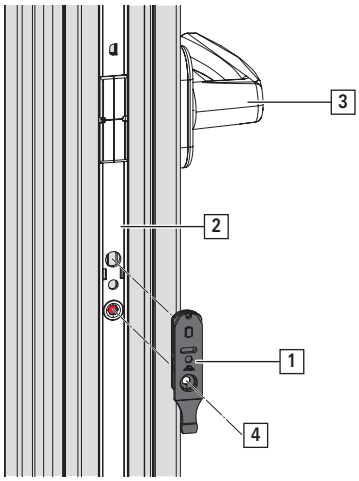
**INFO**
Tighten the screw [4] on the horizontal leg to a maximum torque of 2 Nm.

## 8.7.13 Lifting mishandling device / sash lifter

**INFO**
The sash lifter is installed in the same way as the lifting mishandling device. The installation of the lifting mishandling device is shown here.

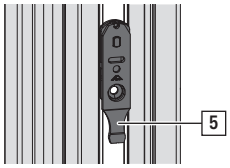
**INFO**
Only the sash lifter and not the lifting mishandling device can be used in conjunction with the arrestable brake stay.

1. Clip the lifting mishandling device [1] into the hole pattern provided in the espagnolette [2].
   Position near the handle [3].



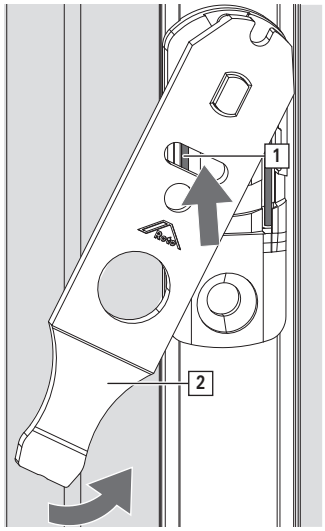

2. Fasten with a screw [4].

3. Activate the lifting mishandling device by pushing the arm [5] in the required direction until the arm cam snaps past the spring. Do not push the arm cam beyond the housing. The lifting mishandling device's centre fixing is undone.




**Restoring the neutral position**

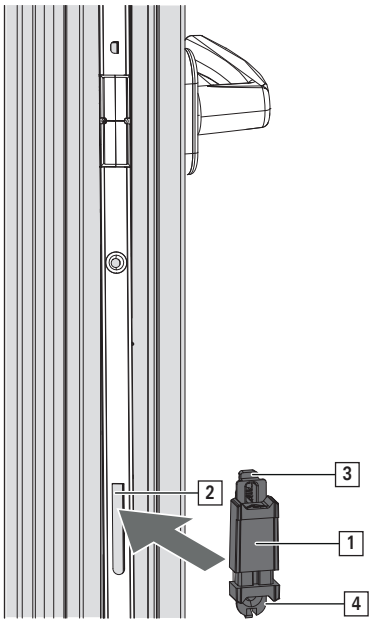
1. Use a suitable tool, for example a screwdriver, to push down on the spring [1] beneath the slot.



2. Keep the spring held down and turn the arm [2] back to 0°.
   The lifting mishandling device returns to the neutral position and can be reactivated.

## 8.7.14 Bullet catch

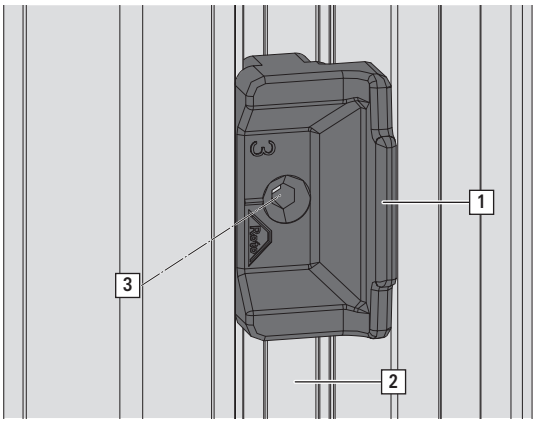
1. Insert the bullet-catch sash component [1] into the espagnolette recess [2].
   To do so, insert the nose of the bullet catch [3] into the flat side of the espagnolette recess and clip the bullet catch into place.




2. Secure with screw [4].

## 8.7.15 Centre closer

1. Place the centre closer [1] in the sash groove [2].
   Positioning → *from page 257*.



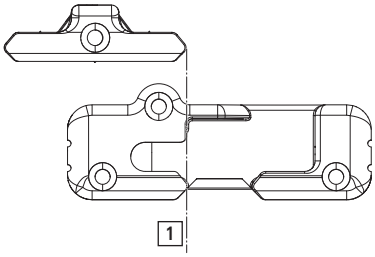

2. Fasten with one screw [3].

# 8.8 Frame

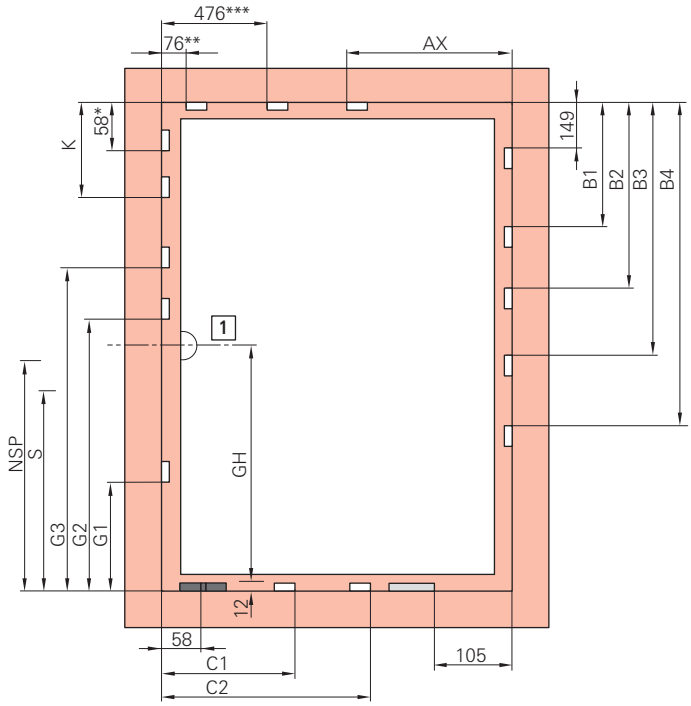
## 8.8.1 Position of strikers and tilt strikers

### 8.8.1.1 Striker positions and tilt strikers

Positioning of the strikers and tilt strikers on the basis of the point of entry [1] in the turn position:



## 8.8.1.2 Tilt&Turn hardware / TiltFirst hardware – basic security




[1] Handle centre

Striker e.g.

Tilt striker e.g.

Turn restrictor e.g.

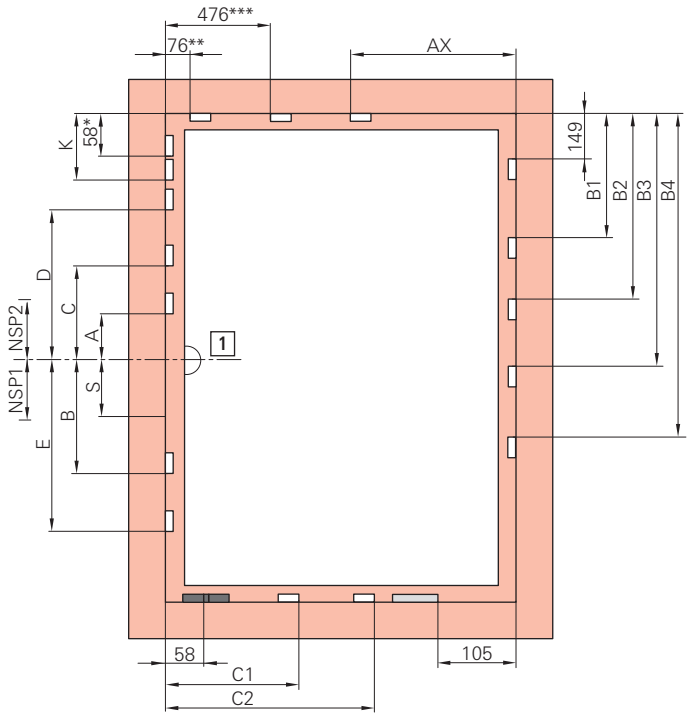
### T&T espagnolette, VT – fixed handle height

| SRH [mm] | GH | G1 | G2 | G3 | K | NSP | S |
|---|---|---|---|---|---|---|---|
| 285 – 510 | 120 | – | – | – | – | – | – |
| 511 – 600 | 170 | – | – | – | – | 262 | – |
| 601 – 800 | 263 | – | – | – | – | 350 | – |
| 801 – 1000 | 413 | 550 | – | – | – | 288 | – |
| 1001 – 1200 | 513 | 700 | – | – | – | 388 | – |
| 1201 – 1400 | 563 | 700 | – | – | – | 388 | – |
| 1401 – 1600 | 563 | 700 | 1170 | – | – | 388 | – |
| 1601 – 1800 | 563 | 700 | 1370 | – | – | 388 | – |
| 1601 – 2000 | 1000 | 700 | 1370 | – | – | 1121 | 807 |
| 2001 – 2400 | 1000 | 700 | 1370 | 1770 | – | 1121 | 807 |
| 2401 – 2600 | 1000 | 700 | 1370 | 1770 | 258 | 1121 | 807 |
| 2601 – 2800 | 1000 | 700 | 1370 | 1770 | 458 | 1121 | 807 |
| 2801 – 3000 | 1000 | 700 | 1370 | 1770 | 658 | 1121 | 807 |

* Fit a striker up to SRW 451 mm

** Fit a striker from SRW 451 mm

*** Fit a striker from SRW 1601 mm




[1] Handle centre

Striker e.g.

Tilt striker e.g.

Turn restrictor e.g.

### T&T espagnolette – centred / variable handle height

| SRH [mm] | A | B | C | D | E | K | NSP 1 | NSP 2 | S |
|---|---|---|---|---|---|---|---|---|---|
| 310 – 450 | – | – | – | – | – | – | – | – | – |
| 451 – 620 | – | – | – | – | – | – | – | – | – |
| 621 – 800 | 125 | – | – | – | – | – | 137 | – | – |
| 801 – 1200 | 125 | – | – | – | – | – | 137 | – | – |
| 1201 – 1600 | 125 | 340 | – | – | – | – | 137 | – | – |
| 1601 – 2000 | – | 312 | 358 | – | – | – | – | 109 | 395 |
| 2001 – 2600 | – | 312 | 358 | 758 | 740 | – | – | 109 | 395 |
| 2601 – 2800 | – | 312 | 358 | 758 | 740 | 458 | – | 109 | 395 |
| 2801 – 3000 | – | 312 | 358 | 758 | 740 | 658 | – | 109 | 395 |

* Fit a striker up to SRW 451 mm

** Fit a striker from SRW 451 mm

*** Fit a striker from SRW 1601 mm

### Stay guide

| SRW [mm] | AX | Size |
|---|---|---|
| 801 – 1000 | 600 | 500 / 890 |
| 1001 – 1200 | 750 | 500 / 1090 |
| 1201 – 1400[46][47] | 750 | 500 / 1290 |

### Centre lock, vertical, without load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 801 – 1200 | 550 | – | – | – | CL 400 E |
| 1201 – 1400 | 746 | – | – | – | CL 600 E |
| 1401 – 1800 | 746 | 1150 | – | – | CL 600 E KU + CL 400 E |

[46] from 1401 with additional stay arm

[47] from 1601 with additional stay arm and centre lock

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 1801 – 2000 | 746 | 1346 | – | – | CL 600 E KU + CL 600 E |
| 2001 – 2400 | 746 | 1346 | 1750 | – | 2x CL 600 E KU + CL 400 E |
| 2401 – 2600 | 746 | 1346 | 1946 | – | 2x CL 600 E KU + CL 600 E |
| 2601 – 3000 | 746 | 1346 | 1946 | 2350 | 3x CL 600 E KU + CL 400 E |

### Centre lock, vertical, with load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 1000 – 1200 | 550 | – | – | – | CL 400 E |
| 1201 – 1400 | 746 | – | – | – | CL 600 E |
| 1401 – 1600 | 746 | 946 | – | – | CL 600 E KU + CL 200 P |
| 1601 – 1800 | 746 | 1150 | – | – | CL 600 E KU + CL 400 E |
| 1801 – 2000 | 746 | 1346 | – | – | CL 600 E KU + CL 600 E |
| 2001 – 2200 | 746 | 1346 | 1546 | – | 2x CL 600 E KU + CL 200 P |
| 2201 – 2400 | 746 | 1346 | 1750 | – | 2x CL 600 E KU + CL 400 E |
| 2401 – 2600 | 746 | 1346 | 1946 | – | 2x CL 600 E KU + CL 600 E |
| 2601 – 2800 | 746 | 1346 | 1946 | 2146 | 3x CL 600 E KU + CL 200 P |
| 2801 – 3000 | 746 | 1346 | 1946 | 2350 | 3x CL 600 E KU + CL 400 E |

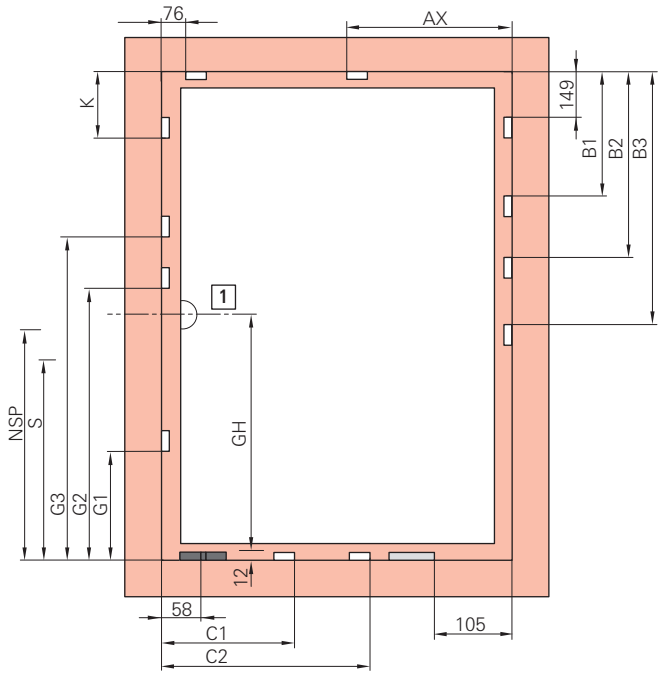
### Centre lock, horizontal, with turn restrictor

| SRW [mm] | C1 | C2 | Centre lock |
|---|---|---|---|
| 801 – 850 | 258 | – | CL 200 P |
| 851 – 1200 | 462 | – | CL 400 E |
| 1201 – 1400 | 658 | – | CL 600 E |
| 1401 – 1600 | 658 | 858 | CL 600 E KU + CL 200 P |
| 1601 – 1750 | 658 | 1062 | CL 600 E KU + CL 400 E |

### Centre lock, horizontal, without turn restrictor

| SRW [mm] | C1 | C2 | Centre lock |
|---|---|---|---|
| 801 – 1000 | 462 | – | CL 400 E |

## 8.8.1.3 Tilt&Turn hardware – RC 1 N




[1] Handle centre

Striker e.g.

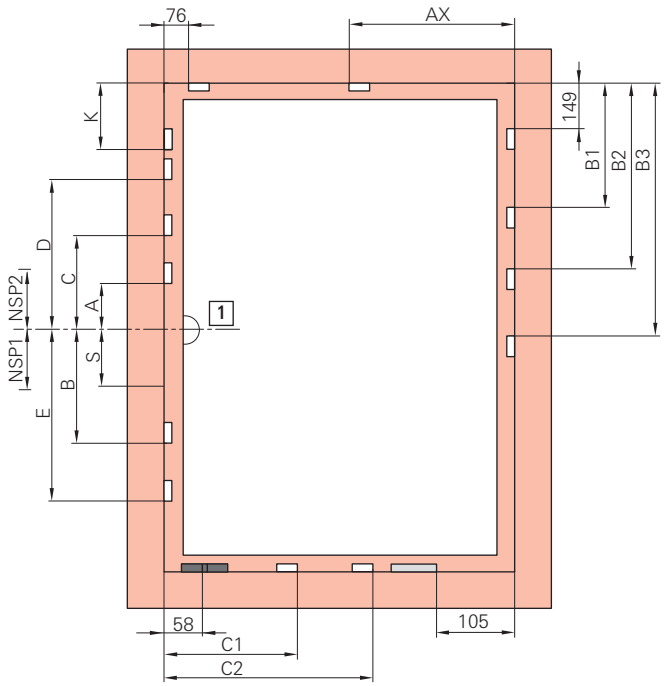
Tilt striker e.g.

Turn restrictor e.g.

### T&T espagnolette, VT – fixed handle height

| SRH [mm] | GH | G1 | G2 | G3 | K | NSP | S |
|---|---|---|---|---|---|---|---|
| 285 – 510 | 120 | – | – | – | – | – | – |
| 511 – 600 | 170 | – | – | – | – | 262 | – |
| 601 – 800 | 263 | – | – | – | – | 350 | – |
| 801 – 1000 | 413 | 550 | – | – | – | 288 | – |
| 1001 – 1200 | 513 | 700 | – | – | – | 388 | – |
| 1201 – 1400 | 563 | 700 | – | – | – | 388 | – |
| 1401 – 1600 | 563 | 700 | 1170 | – | – | 388 | – |
| 1601 – 1800 | 563 | 700 | 1370 | – | – | 388 | – |
| 1601 – 1800 | 1000 | 700 | 1370 | – | – | 1121 | 807 |
| 1801 – 2000 | 1000 | 700 | 1370 | – | – | 1121 | 807 |
| 2001 – 2400 | 1000 | 700 | 1370 | 1770 | – | 1121 | 807 |
| 2401 – 2600 | 1000 | 700 | 1370 | 1770 | 258 | 1121 | 807 |
| 2601 – 2800 | 1000 | 700 | 1370 | 1770 | 458 | 1121 | 807 |

Position of strikers and tilt strikers




[1] Handle centre

Striker e.g.

Tilt striker e.g.

Turn restrictor e.g.

### T&T espagnolette – centred / variable handle height

| SRH [mm] | A | B | C | D | E | K | NSP 1 | NSP 2 | S |
|---|---|---|---|---|---|---|---|---|---|
| 310 – 620 | – | – | – | – | – | – | – | – | – |
| 621 – 800 | 125 | – | – | – | – | – | 137 | – | – |
| 801 – 1200 | 125 | – | – | – | – | – | 137 | – | – |
| 1201 – 1600 | 125 | 340 | – | – | – | – | 137 | – | – |
| 1601 – 2000 | – | 312 | 358 | – | – | – | – | 109 | 395 |
| 2001 – 2400 | – | 312 | 358 | 758 | 740 | – | – | 109 | 395 |
| 2401 – 2600 | – | 312 | 358 | 758 | 740 | 258 | – | 109 | 395 |
| 2601 – 2800 | – | 312 | 358 | 758 | 740 | 458 | – | 109 | 395 |

### Stay guide

| SRW [mm] | AX | Size |
|---|---|---|
| 801 – 1000 | 600 | 500 / 890 |
| 1001 – 1200 | 750 | 500 / 1090 |
| 1201 – 1400[48] | 750 | 500 / 1290 |

### Centre lock, vertical, without load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 801 – 1200 | 550 | – | – | – | CL 400 E |
| 1201 – 1400 | 746 | – | – | – | CL 600 E |
| 1401 – 1800 | 746 | 1150 | – | – | CL 600 E KU + CL 400 E |
| 1801 – 2000 | 746 | 1346 | – | – | CL 600 E KU + CL 600 E |
| 2001 – 2400 | 746 | 1346 | 1750 | – | 2x CL 600 E KU + CL 400 E |
| 2401 – 2600 | 746 | 1346 | 1946 | – | 2x CL 600 E KU + CL 600 E |
| 2601 – 2800 | 746 | 1346 | 1946 | 2350 | 3x CL 600 E KU + CL 400 E |

[48] from 1401 with additional stay arm

### Centre lock, vertical, with load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 1000 – 1200 | 550 | – | – | – | CL 400 E |
| 1201 – 1400 | 746 | – | – | – | CL 600 E |
| 1401 – 1600 | 746 | 946 | – | – | CL 600 E KU + CL 200 P |
| 1601 – 1800 | 746 | 1150 | – | – | CL 600 E KU + CL 400 E |
| 1801 – 2000 | 746 | 1346 | – | – | CL 600 E KU + CL 600 E |
| 2001 – 2200 | 746 | 1346 | 1546 | – | 2x CL 600 E KU + CL 200 P |
| 2201 – 2400 | 746 | 1346 | 1750 | – | 2x CL 600 E KU + CL 400 E |
| 2401 – 2600 | 746 | 1346 | 1946 | – | 2x CL 600 E KU + CL 600 E |
| 2601 – 2800 | 746 | 1346 | 1946 | 2146 | 3x CL 600 E KU + CL 200 P |

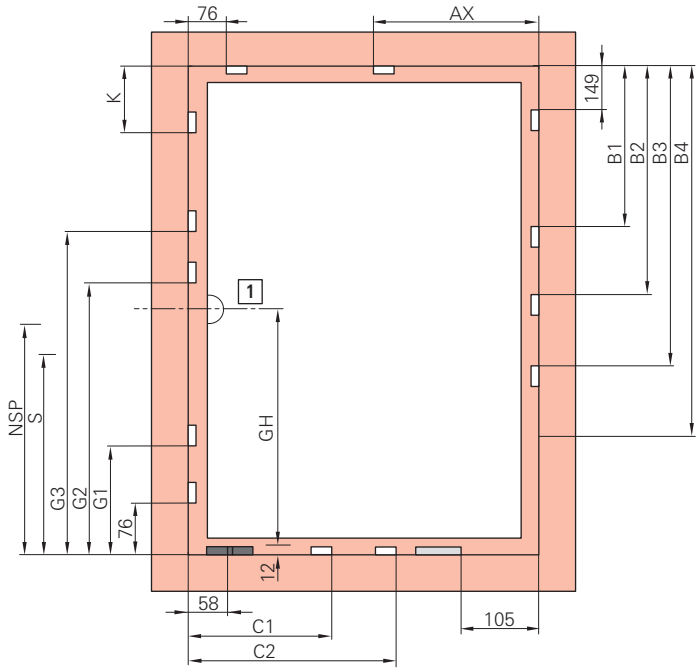
### Centre lock, horizontal, without turn restrictor

| SRW [mm] | C1 | C2 | Centre lock |
|---|---|---|---|
| 450 – 650 | 258 | – | CL 200 P |
| 651 – 850 | 462 | – | CL 400 P |
| 851 – 1000 | 658 | – | CL 600 P |

### Centre lock, horizontal, with turn restrictor

| SRW [mm] | C1 | C2 | Centre lock |
|---|---|---|---|
| 650 – 850 | 258 | – | CL 200 P |
| 851 – 1050 | 462 | – | CL 400 P |
| 1051 – 1250 | 658 | – | CL 600 P |
| 1251 – 1450 | 658 | 858 | CL 600 E KU + CL 200 P |
| 1451 – 1600 | 658 | 1062 | CL 600 E KU + CL 400 P |

## 8.8.1.4 Tilt&Turn hardware – RC 2 / RC 2 N




[1] Handle centre

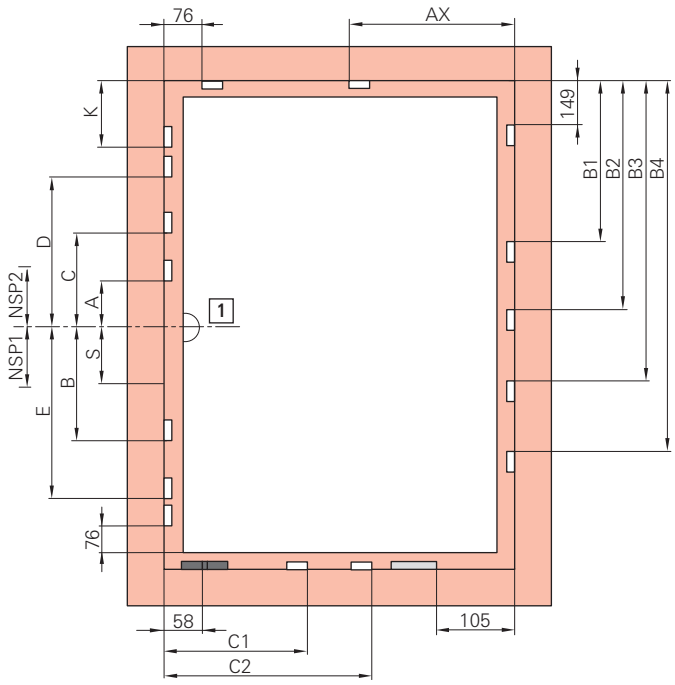
Striker e.g.

Tilt striker e.g.

Turn restrictor e.g.

### T&T espagnolette, VT – fixed handle height

| SRH [mm] | GH | G1 | G2 | G3 | K | NSP | S |
|---|---|---|---|---|---|---|---|
| 601 – 800 | 263 | – | – | – | – | 350 | – |
| 801 – 1000 | 413 | 550 | – | – | – | 288 | – |
| 1001 – 1200 | 513 | 700 | – | – | – | 388 | – |
| 1201 – 1400 | 563 | 700 | – | – | – | 388 | – |
| 1401 – 1600 | 563 | 700 | 1170 | – | – | 388 | – |
| 1601 – 1800 | 563 | 700 | 1370 | – | – | 388 | – |
| 1601 – 1800 | 1000 | 700 | 1370 | – | – | 1121 | 807 |
| 1801 – 2000 | 1000 | 700 | 1370 | – | – | 1121 | 807 |
| 2001 – 2200 | 1000 | 700 | 1370 | 1770 | – | 1121 | 807 |
| 2201 – 2400 | 1000 | 700 | 1370 | 1770 | – | 1121 | 807 |
| 2401 – 2600 | 1000 | 700 | 1370 | 1770 | 258 | 1121 | 807 |
| 2601 – 2800 | 1000 | 700 | 1370 | 1770 | 458 | 1121 | 807 |




[1] Handle centre

Striker e.g.

Tilt striker e.g.

Turn restrictor e.g.

## T&T espagnolette – centred / variable handle height

| SRH [mm] | A | B | C | D | E | K | NSP 1 | NSP 2 | S |
|---|---|---|---|---|---|---|---|---|---|
| 490 – 620 | – | – | – | – | – | – | – | – | – |
| 621 – 800 | 125 | – | – | – | – | – | 137 | – | – |
| 801 – 1200 | 125 | – | – | – | – | – | 137 | – | – |
| 1201 – 1600 | 125 | 340 | – | – | – | – | 137 | – | – |
| 1601 – 2000 | – | 312 | 358 | – | – | – | – | 109 | 395 |
| 2001 – 2400 | – | 312 | 358 | 758 | 740 | – | – | 109 | 395 |
| 2401 – 2600 | – | 312 | 358 | 758 | 740 | 258 | – | 109 | 395 |
| 2601 – 2800 | – | 312 | 358 | 758 | 740 | 458 | – | 109 | 395 |

## Stay guide

| SRW [mm] | AX | Size |
|---|---|---|
| 801 – 1000 | 600 | 500 / 890 |
| 1001 – 1200 | 600 | 500 / 1090 |
| 1201 – 1400 | 600 | 500 / 1290 |

## Centre lock, vertical, without load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 490 – 650 | 346 | – | – | – | CL 200 V |
| 651 – 850 | 550 | – | – | – | CL 400 V |
| 851 – 1050 | 746 | – | – | – | CL 600 V |
| 1051 – 1250 | 746 | 946 | – | – | CL 600 V KU + CL 200 V |
| 1251 – 1450 | 746 | 1150 | – | – | CL 600 V KU + CL 400 V |
| 1451 – 1650 | 746 | 1346 | – | – | CL 600 V KU + CL 600 V |
| 1651 – 1850 | 746 | 1346 | 1546 | – | 2x CL 600 V KU + CL 200 V |
| 1851 – 2050 | 746 | 1346 | 1750 | – | 2x CL 600 V KU + CL 400 V |
| 2051 – 2250 | 746 | 1346 | 1946 | – | 2x CL 600 V KU + CL 600 V |
| 2251 – 2450 | 746 | 1346 | 1946 | 2146 | 3x CL 600 V KU + CL 200 V |
| 2451 – 2650 | 746 | 1346 | 1946 | 2350 | 3x CL 600 V KU + CL 400 V |
| 2651 – 2800 | 746 | 1346 | 1946 | 2546 | 3x CL 600 V KU + CL 600 V |

### Centre lock, vertical, with load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 1000 – 1150 | 550 | – | – | – | CL 400 V |
| 1151 – 1350 | 746 | – | – | – | CL 600 V |
| 1351 – 1550 | 746 | 946 | – | – | CL 600 V KU + CL 200 V |
| 1551 – 1750 | 746 | 1150 | – | – | CL 600 V KU + CL 400 V |
| 1751 – 1950 | 746 | 1346 | – | – | CL 600 V KU + CL 600 V |
| 1951 – 2150 | 746 | 1346 | 1546 | – | 2x CL 600 V KU + CL 200 V |
| 2151 – 2350 | 746 | 1346 | 1750 | – | 2x CL 600 V KU + CL 400 V |
| 2351 – 2550 | 746 | 1346 | 1946 | – | 2x CL 600 V KU + CL 600 V |
| 2551 – 2750 | 746 | 1346 | 1946 | 2146 | 3x CL 600 V KU + CL 200 V |
| 2751 – 2800 | 746 | 1346 | 1946 | 2350 | 3x CL 600 V KU + CL 400 V |

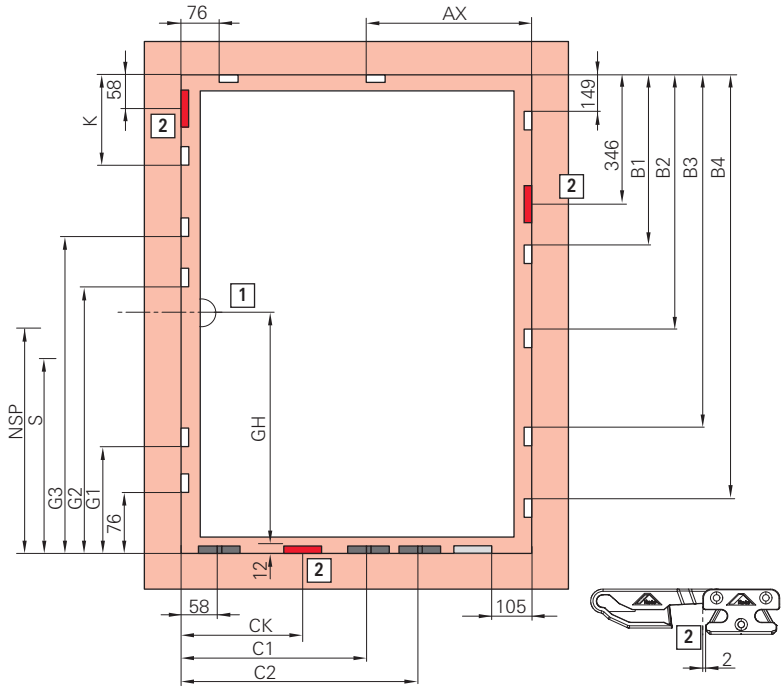
### Centre lock, horizontal, without turn restrictor

| SRW [mm] | C1 | C2 | Centre lock |
|---|---|---|---|
| 450 – 650 | 258 | – | CL 200 V |
| 651 – 850 | 462 | – | CL 400 V |
| 851 – 1000 | 658 | – | CL 600 V |

### Centre lock, horizontal, with turn restrictor

| SRW [mm] | C1 | C2 | Centre lock |
|---|---|---|---|
| 650 – 850 | 258 | – | CL 200 V |
| 851 – 1050 | 462 | – | CL 400 V |
| 1051 – 1250 | 658 | – | CL 600 V |
| 1251 – 1400 | 658 | 858 | CL 600 V KU + CL 200 V |

## 8.8.1.5 Tilt&Turn hardware – TiltSafe RC 2 / RC 2 N




[1] Handle centre

[2] Security striker for tilt ventilation

Striker e.g.

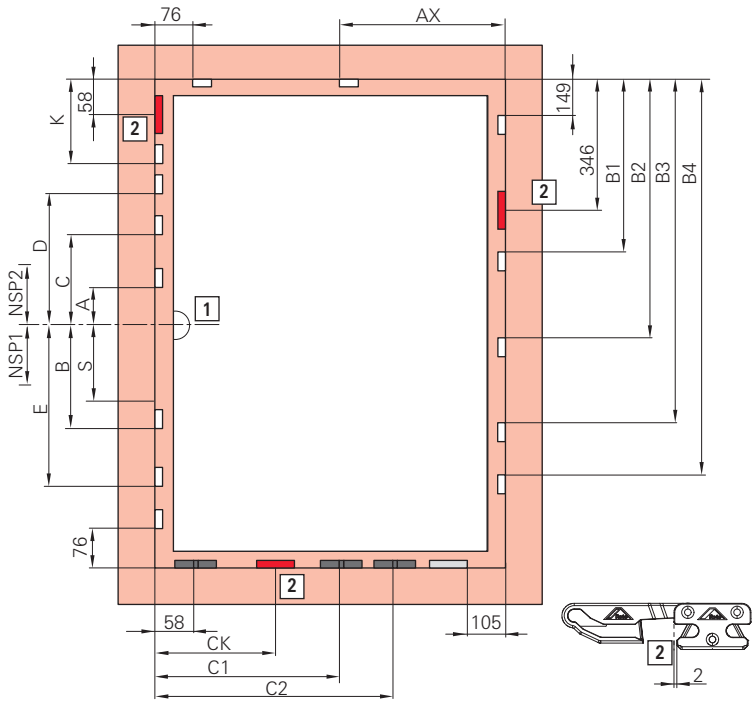
Tilt striker e.g.

Turn restrictor e.g.

### T&T espagnolette, VT – fixed handle height

| SRH [mm] | GH | G1 | G2 | G3 | K | NSP | S |
|---|---|---|---|---|---|---|---|
| 601 – 800 | 263 | – | – | – | – | 350 | – |
| 801 – 1000 | 413 | 550 | – | – | – | 288 | – |
| 1001 – 1200 | 513 | 700 | – | – | – | 388 | – |
| 1201 – 1400 | 563 | 700 | – | – | – | 388 | – |
| 1401 – 1600 | 563 | 700 | 1170 | – | – | 388 | – |
| 1601 – 1800 | 563 | 700 | 1370 | – | – | 388 | – |
| 1601 – 1800 | 1000 | 700 | 1370 | – | – | 1121 | 807 |
| 1801 – 2000 | 1000 | 700 | 1370 | – | – | 1121 | 807 |
| 2001 – 2200 | 1000 | 700 | 1370 | 1770 | – | 1121 | 807 |
| 2201 – 2400 | 1000 | 700 | 1370 | 1770 | – | 1121 | 807 |
| 2401 – 2600 | 1000 | 700 | 1370 | 1770 | 258 | 1121 | 807 |
| 2601 – 2800 | 1000 | 700 | 1370 | 1770 | 458 | 1121 | 807 |

Position of strikers and tilt strikers




[1] Handle centre

[2] Security striker for tilt ventilation

Striker e.g.

Tilt striker e.g.

Turn restrictor e.g.

## T&T espagnolette – centred / variable handle height

| SRH [mm] | A | B | C | D | E | K | NSP 1 | NSP 2 | S |
|---|---|---|---|---|---|---|---|---|---|
| 490 – 620 | – | – | – | – | – | – | – | – | – |
| 621 – 800 | 125 | – | – | – | – | – | 137 | – | – |
| 801 – 1200 | 125 | – | – | – | – | – | 137 | – | – |
| 1201 – 1600 | 125 | 340 | – | – | – | – | 137 | – | – |
| 1601 – 2000 | – | 312 | 358 | – | – | – | – | 109 | 395 |
| 2001 – 2400 | – | 312 | 358 | 758 | 740 | – | – | 109 | 395 |
| 2401 – 2600 | – | 312 | 358 | 758 | 740 | 258 | – | 109 | 395 |
| 2601 – 2800 | – | 312 | 358 | 758 | 740 | 458 | – | 109 | 395 |

## Stay guide

| SRW [mm] | AX | Size |
|---|---|---|
| 801 – 1000 | 600 | 500 / 890 |
| 1001 – 1200 | 600 | 500 / 1090 |
| 1201 – 1400 | 600 | 500 / 1290 |

## Centre lock, vertical, without load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 490 – 650 | – | – | – | – | CL 200 V |
| 651 – 850 | 546 | – | – | – | CL 200 V KU + CL 200 V |
| 851 – 1050 | 750 | – | – | – | CL 200 V KU + CL 400 V |
| 1051 – 1250 | 946 | – | – | – | CL 200 V KU + CL 600 V |
| 1251 – 1450 | 946 | 1146 | – | – | CL 200 V KU + CL 600 V KU + CL 200 V |
| 1451 – 1650 | 946 | 1350 | – | – | CL 200 V KU + CL 600 V KU + CL 400 V |
| 1651 – 1850 | 946 | 1546 | – | – | CL 200 V KU + CL 600 V KU + CL 600 V |
| 1851 – 2050 | 946 | 1546 | 1746 | – | CL 200 V KU + 2x CL 600 V KU + CL 200 V |
| 2051 – 2250 | 946 | 1546 | 1950 | – | CL 200 V KU + 2x CL 600 V KU + CL 400 V |
| 2251 – 2450 | 946 | 1546 | 2146 | – | CL 200 V KU + 2x CL 600 V KU + CL 600 V |

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 2451 – 2650 | 946 | 1546 | 2146 | 2346 | CL 200 V KU + 2x CL 600 V KU + CL 200 V |
| 2651 – 2800 | 946 | 1546 | 2146 | 2550 | CL 200 V KU + 3x CL 600 V KU + CL 400 V |

### Centre lock, vertical, with load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 1000 – 1150 | 546 | – | – | – | CL 200 V KU + CL 200 V |
| 1151 – 1350 | 750 | – | – | – | CL 200 V KU + CL 400 V |
| 1351 – 1550 | 946 | – | – | – | CL 200 V KU + CL 600 V |
| 1551 – 1750 | 946 | 1146 | – | – | CL 200 V KU + CL 600 V KU + CL 200 V |
| 1751 – 1950 | 946 | 1350 | – | – | CL 200 V KU + CL 600 V KU + CL 400 V |
| 1951 – 2150 | 946 | 1546 | – | – | CL 200 V KU + CL 600 V KU + CL 600 V |
| 2151 – 2350 | 946 | 1546 | 1746 | – | CL 200 V KU + 2x CL 600 V KU + CL 200 V |
| 2351 – 2550 | 946 | 1546 | 1950 | – | CL 200 V KU + 2x CL 600 V KU + CL 400 V |
| 2551 – 2750 | 946 | 1546 | 2146 | – | CL 200 V KU + 2x CL 600 V KU + CL 600 V |
| 2751 – 2800 | 946 | 1546 | 2146 | 2346 | CL 200 V KU + 3x CL 600 V KU + CL 200 V |

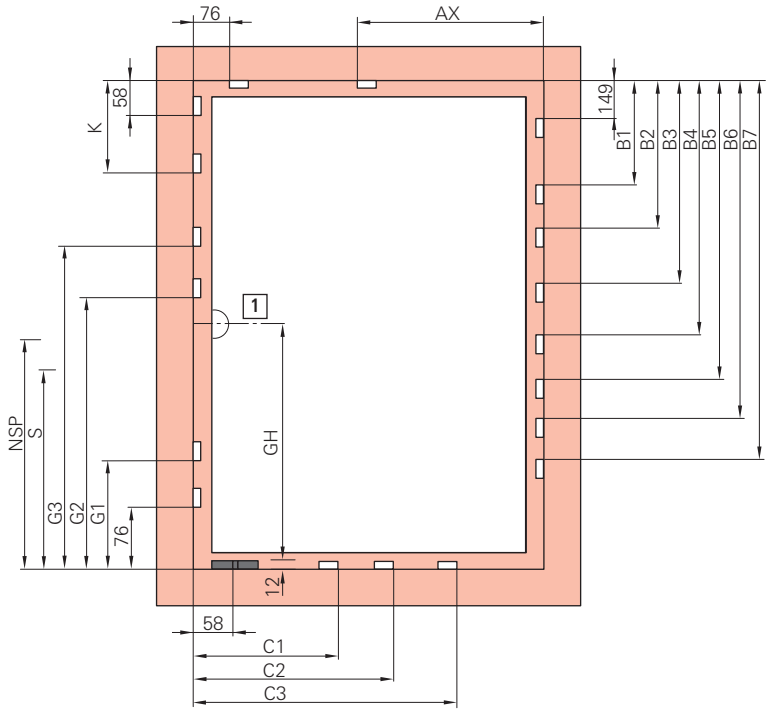
### Centre lock, horizontal, without turn restrictor

| SRW [mm] | CK | C1 | C2 | Centre lock |
|---|---|---|---|---|
| 450 – 650 | 258 | – | – | CL 200 V |
| 651 – 850 | 258 | 458 | – | CL 200 V KU + CL 200 V |
| 851 – 1000 | 458 | 258 | 658 | 2x CL 200 V KU + CL 200 V |

### Centre lock, horizontal, with turn restrictor

| SRW [mm] | CK | C1 | C2 | Centre lock |
|---|---|---|---|---|
| 650 – 850 | 258 | – | – | CL 200 V |
| 851 – 1050 | 458 | 258 | – | CL 200 V KU + CL 200 V |
| 1051 – 1250 | 458 | 258 | 658 | 2x CL 200 V KU + CL 200 V |
| 1251 – 1400 | 658 | 258 | 858 | CL 200 V KU + CL 400 V KU + CL 200 V |

## 8.8.1.6 Tilt&Turn hardware – RC 3




[1] Handle centre

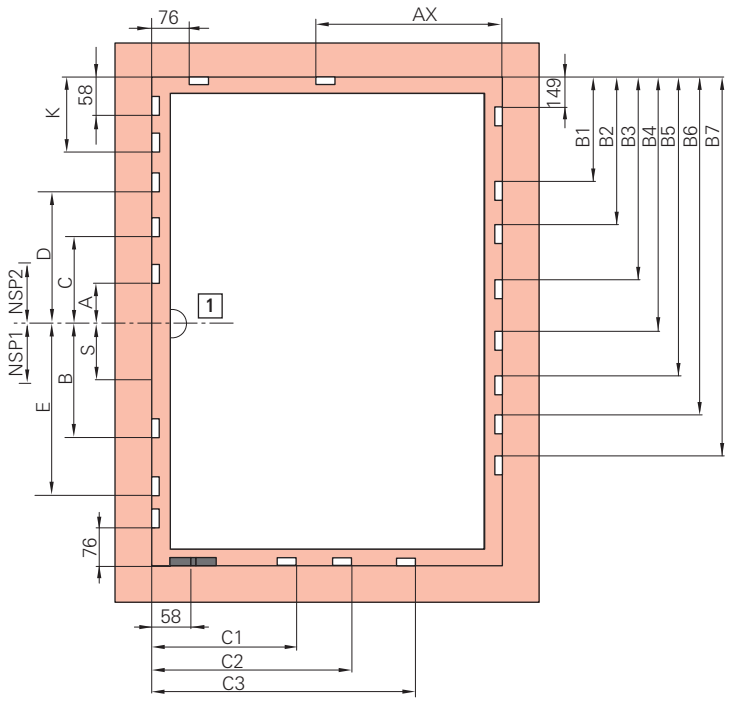
Striker e.g.

Tilt striker e.g.

Turn restrictor e.g.

### T&T espagnolette, VT – fixed handle height

| SRH [mm] | GH | G1 | G2 | G3 | K | NSP | S |
|---|---|---|---|---|---|---|---|
| 601 – 800 | 263 | – | – | – | – | 350 | – |
| 801 – 1000 | 413 | 550 | – | – | – | 288 | – |
| 1001 – 1200 | 513 | 700 | – | – | – | 388 | – |
| 1201 – 1400 | 563 | 700 | – | – | – | 388 | – |
| 1401 – 1600 | 563 | 700 | 1170 | – | – | 388 | – |
| 1601 – 1800 | 563 | 700 | 1370 | – | – | 388 | – |
| 1601 – 1800 | 1000 | 700 | 1370 | – | – | 1121 | 807 |
| 1801 – 2000 | 1000 | 700 | 1370 | – | – | 1121 | 807 |
| 2001 – 2200 | 1000 | 700 | 1370 | 1770 | – | 1121 | 807 |
| 2201 – 2400 | 1000 | 700 | 1370 | 1770 | – | 1121 | 807 |
| 2401 – 2600 | 1000 | 700 | 1370 | 1770 | 258 | 1121 | 807 |
| 2601 – 2800 | 1000 | 700 | 1370 | 1770 | 458 | 1121 | 807 |




[1] Handle centre

Striker e.g.

Tilt striker e.g.

Turn restrictor e.g.

### T&T espagnolette – centred / variable handle height

| SRH [mm] | A | B | C | D | E | K | NSP 1 | NSP 2 | S |
|---|---|---|---|---|---|---|---|---|---|
| 490 – 620 | – | – | – | – | – | – | – | – | – |
| 621 – 800 | 125 | – | – | – | – | – | 137 | – | – |
| 801 – 1200 | 125 | – | – | – | – | – | 137 | – | – |
| 1201 – 1600 | 125 | 340 | – | – | – | – | 137 | – | – |
| 1601 – 2000 | – | 312 | 358 | – | – | – | – | 109 | 395 |
| 2001 – 2400 | – | 312 | 358 | 758 | 740 | – | – | 109 | 395 |
| 2401 – 2600 | – | 312 | 358 | 758 | 740 | 258 | – | 109 | 395 |
| 2601 – 2800 | – | 312 | 358 | 758 | 740 | 458 | – | 109 | 395 |

### Stay guide

| SRW [mm] | AX | Size |
|---|---|---|
| 801 – 1000 | 600 | 500 / 890 |

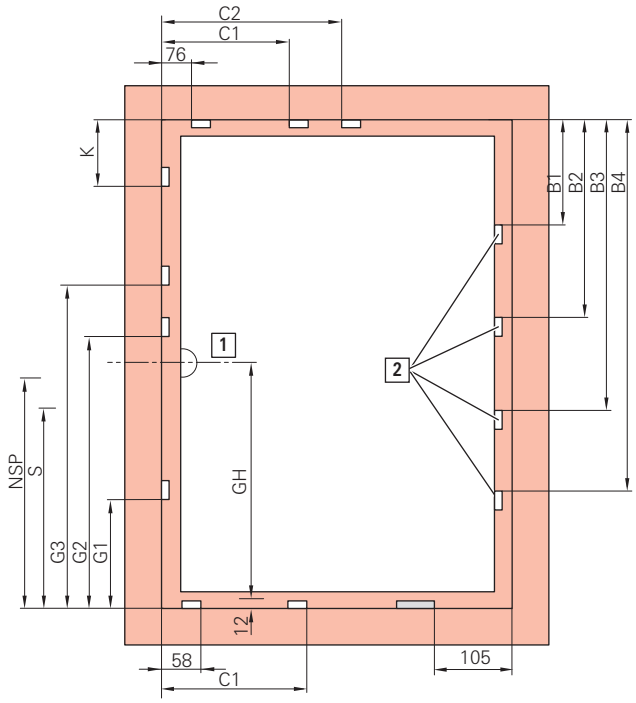
### Centre lock, vertical

| SRH [mm] | B1 | B2 | B3 | B4 | B5 | B6 | B7 | Centre lock |
|---|---|---|---|---|---|---|---|---|
| 540 – 740 | 346 | – | – | – | – | – | – | CL 200 V KU |
| 741 – 940 | 346 | 546 | – | – | – | – | – | 2x CL 200 V KU |
| 941 – 1140 | 346 | 546 | 746 | – | – | – | – | 3x CL 200 V KU |
| 1141 – 1340 | 346 | 746 | 946 | – | – | – | – | CL 200 V KU + CL 400 V KU + CL 200 V KU |
| 1341 – 1540 | 346 | 746 | 946 | 1146 | – | – | – | CL 200 V KU + CL 400 V KU + 2x CL 200 V KU |
| 1541 – 1740 | 346 | 746 | 1146 | 1346 | – | – | – | CL 200 V KU + 2x CL 400 V KU + CL 200 V KU |
| 1741 – 1940 | 346 | 746 | 1146 | 1346 | 1546 | – | – | CL 200 V KU + 2x CL 400 V KU + 2x CL 200 V KU |
| 1941 – 2100 | 346 | 746 | 1146 | 1546 | 1746 | – | – | CL 200 V KU + 3x CL 400 V KU + CL 200 V KU |
| 2141 – 2340 | 346 | 746 | 1146 | 1546 | 1746 | 1946 | – | CL 200 V KU + 3x CL 400 V KU + 2x CL 200 V KU |
| 2341 – 2540 | 346 | 746 | 1146 | 1546 | 1946 | 2146 | – | CL 200 V KU + 4x CL 400 V KU + CL 200 V KU |
| 2541 – 2740 | 346 | 746 | 1146 | 1546 | 1946 | 2146 | 2346 | CL 200 V KU + 4x CL 400 V KU + 2x CL 200 V KU |
| 2741 – 2800 | 346 | 746 | 1146 | 1546 | 1946 | 2346 | 2546 | CL 200 V KU + 5x CL 400 V KU + CL 200 V KU |

## Centre lock, horizontal

| SRW [mm] | C1 | C2 | C3 | Centre lock |
|---|---|---|---|---|
| 490 – 690 | 258 | – | – | CL 200 V KU |
| 691 – 890 | 258 | 458 | – | 2x CL 200 V KU |
| 891 – 1000 | 258 | 458 | 658 | 3x CL 200 V KU |

## 8.8.1.7 Turn-Only hardware – basic security




[1] Handle centre

[2] Centre closer, concealed

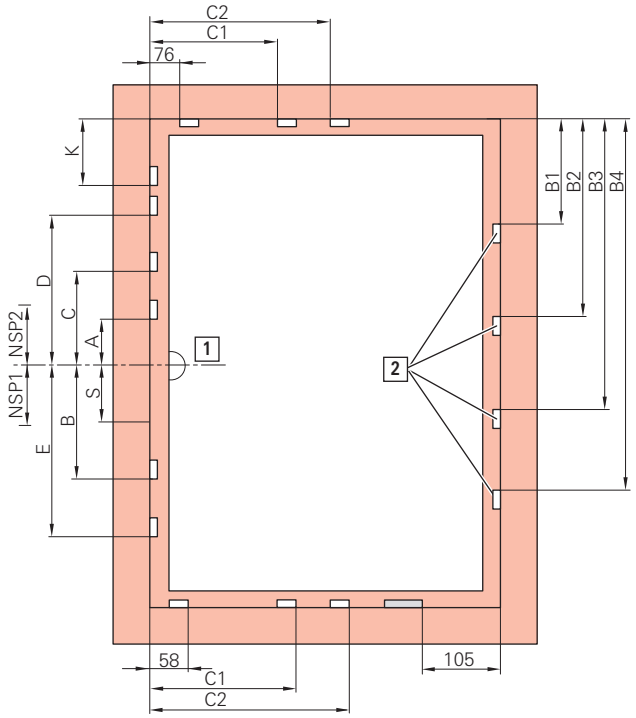
Striker e.g.

Turn restrictor e.g.

### T&T espagnolette, VT – fixed handle height

| SRH [mm] | GH | G1 | G2 | G3 | K | NSP | S |
|---|---|---|---|---|---|---|---|
| 285 – 510 | 120 | – | – | – | – | – | – |
| 511 – 600 | 170 | – | – | – | – | 262 | – |
| 601 – 800 | 263 | – | – | – | – | 350 | – |
| 801 – 1000 | 413 | 550 | – | – | – | 288 | – |
| 1001 – 1200 | 513 | 700 | – | – | – | 388 | – |
| 1201 – 1400 | 563 | 700 | – | – | – | 388 | – |
| 1401 – 1600 | 563 | 700 | 1170 | – | – | 388 | – |
| 1601 – 1800 | 563 | 700 | 1370 | – | – | 388 | – |
| 1601 – 2000 | 1000 | 700 | 1370 | – | – | 1121 | 807 |
| 2001 – 2400 | 1000 | 700 | 1370 | 1770 | – | 1121 | 807 |
| 2401 – 2600 | 1000 | 700 | 1370 | 1770 | 258 | 1121 | 807 |
| 2601 – 2800 | 1000 | 700 | 1370 | 1770 | 458 | 1121 | 807 |
| 2801 – 3000 | 1000 | 700 | 1370 | 1770 | 658 | 1121 | 807 |

Position of strikers and tilt strikers




[1] Handle centre

[2] Centre closer, concealed

Striker e.g.

Turn restrictor e.g.

### T&T espagnolette – centred / variable handle height

| SRH [mm] | A | B | C | D | E | K | NSP 1 | NSP 2 | S |
|---|---|---|---|---|---|---|---|---|---|
| 310 – 450 | – | – | – | – | – | – | – | – | – |
| 451 – 620 | – | – | – | – | – | – | – | – | – |
| 621 – 800 | 125 | – | – | – | – | – | 137 | – | – |
| 801 – 1200 | 125 | – | – | – | – | – | 137 | – | – |
| 1201 – 1600 | 125 | 340 | – | – | – | – | 137 | – | – |
| 1601 – 2000 | – | 312 | 358 | – | – | – | – | 109 | 395 |
| 2001 – 2600 | – | 312 | 358 | 758 | 740 | – | – | 109 | 395 |
| 2601 – 2800 | – | 312 | 358 | 758 | 740 | 458 | – | 109 | 395 |
| 2801 – 3000 | – | 312 | 358 | 758 | 740 | 658 | – | 109 | 395 |

### Centre closer, vertical, concealed, without load transfer

| SRH [mm] | B1 | B2 | B3 | B4 |
|---|---|---|---|---|
| 801 – 1200 | 550 | – | – | – |
| 1201 – 1400 | 746 | – | – | – |
| 1401 – 1800 | 746 | 1150 | – | – |
| 1801 – 2000 | 746 | 1346 | – | – |
| 2001 – 2400 | 746 | 1346 | 1750 | – |
| 2401 – 2600 | 746 | 1346 | 1946 | – |
| 2601 – 3000 | 746 | 1346 | 1946 | 2350 |

### Centre closer, vertical, concealed, with load transfer

| SRH [mm] | B1 | B2 | B3 | B4 |
|---|---|---|---|---|
| 1000 – 1200 | 550 | – | – | – |
| 1201 – 1400 | 746 | – | – | – |
| 1401 – 1600 | 746 | 946 | – | – |
| 1601 – 1800 | 746 | 1150 | – | – |
| 1801 – 2000 | 746 | 1346 | – | – |
| 2001 – 2200 | 746 | 1346 | 1546 | – |

| SRH [mm] | B1 | B2 | B3 | B4 |
|---|---|---|---|---|
| 2201 – 2400 | 746 | 1346 | 1750 | – |
| 2401 – 2600 | 746 | 1346 | 1946 | – |
| 2601 – 2800 | 746 | 1346 | 1946 | 2146 |
| 2801 – 3000 | 746 | 1346 | 1946 | 2350 |

### Centre lock, horizontal

| SRW [mm] | C1 | C2 | top |
|---|---|---|---|
| 801 – 1200 | 480 | – | CL 400 E |
| 1201 – 1400 | 676 | – | CL 600 E |
| 1401 – 1600 | 676 | 876 | CL 600 E KU + CL 200 P |
| 1601 – 1750 | 676 | 1080 | CL 600 E KU + CL 400 E |

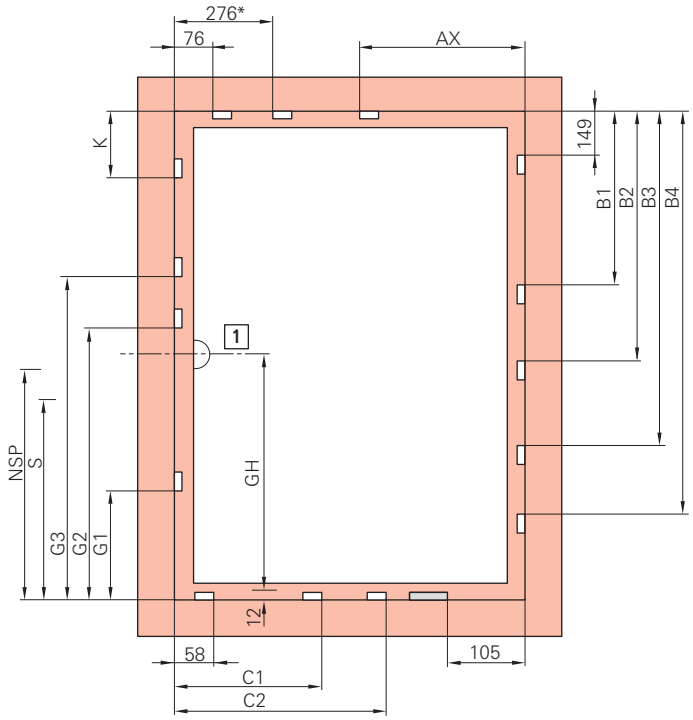
### Centre lock, horizontal, with turn restrictor

| SRW [mm] | C1 | C2 | Centre lock |
|---|---|---|---|
| 801 – 850 | 258 | – | CL 200 P |
| 851 – 1200 | 462 | – | CL 400 E |
| 1201 – 1400 | 658 | – | CL 600 E |
| 1401 – 1600 | 658 | 858 | CL 600 E KU + CL 200 P |
| 1601 – 1750 | 658 | 1062 | CL 600 E KU + CL 400 E |

### Centre lock, horizontal, without turn restrictor

| SRW [mm] | C1 | C2 | bottom |
|---|---|---|---|
| 801 – 1000 | 462 | – | CL 400 E |

## 8.8.1.8 Turn-Only hardware – RC 1 N




[1] Handle centre

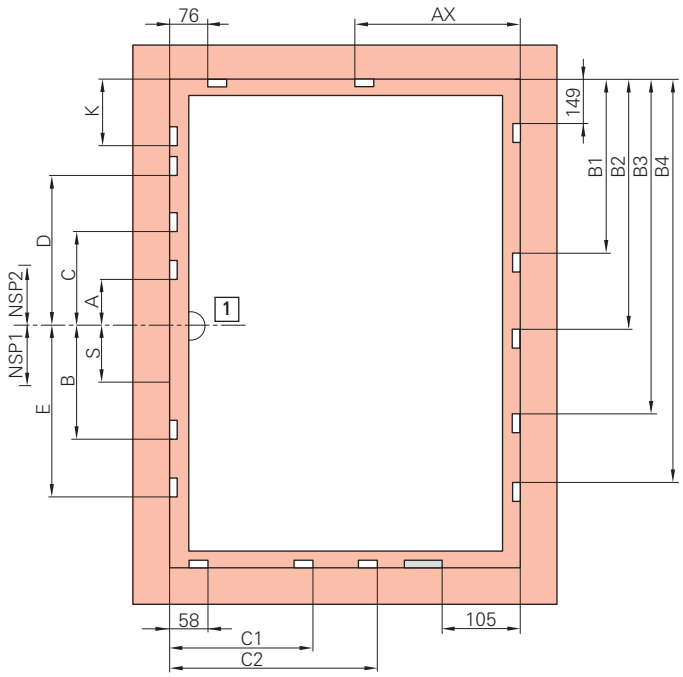
Striker e.g.

Turn restrictor e.g.

### T&T espagnolette, VT – fixed handle height

| SRH [mm] | GH | G1 | G2 | G3 | K | NSP | S |
|---|---|---|---|---|---|---|---|
| 285 – 510 | 120 | – | – | – | – | – | – |
| 511 – 600 | 170 | – | – | – | – | 262 | – |
| 601 – 800 | 263 | – | – | – | – | 350 | – |
| 801 – 1000 | 413 | 550 | – | – | – | 288 | – |
| 1001 – 1200 | 513 | 700 | – | – | – | 388 | – |
| 1201 – 1400 | 563 | 700 | – | – | – | 388 | – |
| 1401 – 1600 | 563 | 700 | 1170 | – | – | 388 | – |
| 1601 – 1800 | 563 | 700 | 1370 | – | – | 388 | – |
| 1601 – 1800 | 1000 | 700 | 1370 | – | – | 1121 | 807 |
| 1801 – 2000 | 1000 | 700 | 1370 | – | – | 1121 | 807 |
| 2001 – 2400 | 1000 | 700 | 1370 | 1770 | – | 1121 | 807 |
| 2401 – 2600 | 1000 | 700 | 1370 | 1770 | 258 | 1121 | 807 |
| 2601 – 2800 | 1000 | 700 | 1370 | 1770 | 458 | 1121 | 807 |

* Fit a striker from SRW 1401 mm




[1] Handle centre

Striker e.g.

Turn restrictor e.g.

### T&T espagnolette – centred / variable handle height

| SRH [mm] | A | B | C | D | E | K | NSP 1 | NSP 2 | S |
|---|---|---|---|---|---|---|---|---|---|
| 310 – 620 | – | – | – | – | – | – | – | – | – |
| 621 – 800 | 125 | – | – | – | – | – | 137 | – | – |
| 801 – 1200 | 125 | – | – | – | – | – | 137 | – | – |
| 1201 – 1600 | 125 | 340 | – | – | – | – | 137 | – | – |
| 1601 – 2000 | – | 312 | 358 | – | – | – | – | 109 | 395 |
| 2001 – 2400 | – | 312 | 358 | 758 | 740 | – | – | 109 | 395 |
| 2401 – 2600 | – | 312 | 358 | 758 | 740 | 258 | – | 109 | 395 |
| 2601 – 2800 | – | 312 | 358 | 758 | 740 | 458 | – | 109 | 395 |

### Stay guide

| SRW [mm] | AX | Size |
|---|---|---|
| 801 – 1000 | 600 | 500 / 890 |
| 1001 – 1200 | 750 | 500 / 1090 |
| 1201 – 1400* | 750 | 500 / 1290 |

* With CL 200 from 1401 mm

### Centre lock, vertical, without load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 801 – 1200 | 550 | – | – | – | CL 400 E |
| 1201 – 1400 | 746 | – | – | – | CL 600 E |
| 1401 – 1800 | 746 | 1150 | – | – | CL 600 E KU + CL 400 E |
| 1801 – 2000 | 746 | 1346 | – | – | CL 600 E KU + CL 600 E |
| 2001 – 2400 | 746 | 1346 | 1750 | – | 2x CL 600 E KU + CL 400 E |
| 2401 – 2600 | 746 | 1346 | 1946 | – | 2x CL 600 E KU + CL 600 E |
| 2601 – 2800 | 746 | 1346 | 1946 | 2350 | 3x CL 600 E KU + CL 400 E |

### Centre lock, vertical, with load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 1000 – 1200 | 550 | – | – | – | CL 400 E |
| 1201 – 1400 | 746 | – | – | – | CL 600 E |
| 1401 – 1600 | 746 | 946 | – | – | CL 600 E KU + CL 200 P |
| 1601 – 1800 | 746 | 1150 | – | – | CL 600 E KU + CL 400 E |
| 1801 – 2000 | 746 | 1346 | – | – | CL 600 E KU + CL 600 E |
| 2001 – 2200 | 746 | 1346 | 1546 | – | 2x CL 600 E KU + CL 200 P |
| 2201 – 2400 | 746 | 1346 | 1750 | – | 2x CL 600 E KU + CL 400 E |
| 2401 – 2600 | 746 | 1346 | 1946 | – | 2x CL 600 E KU + CL 600 E |
| 2601 – 2800 | 746 | 1346 | 1946 | 2146 | 3x CL 600 E KU + CL 200 P |

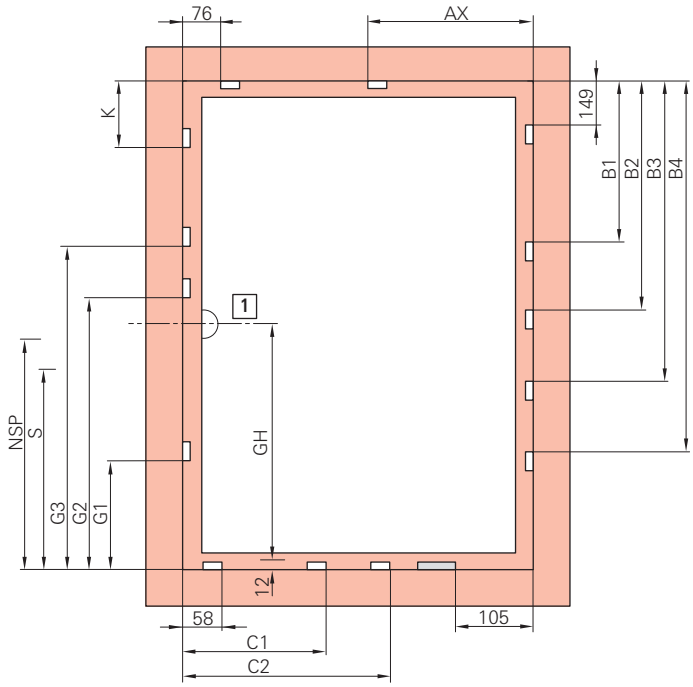
### Centre lock, horizontal, without turn restrictor

| SRW [mm] | C1 | bottom |
|---|---|---|
| 450 – 650 | 258 | CL 200 P |
| 651 – 850 | 458 | CL 400 P |
| 851 – 1000 | 658 | CL 600 P |

### Centre lock, horizontal, with turn restrictor

| SRW [mm] | C1 | C2 | bottom |
|---|---|---|---|
| 650 – 850 | 258 | – | CL 200 P |
| 851 – 1050 | 462 | – | CL 400 P |
| 1051 – 1250 | 658 | – | CL 600 P |
| 1251 – 1450 | 658 | 858 | CL 600 E KU + CL 200 P |
| 1451 – 1600 | 658 | 1062 | CL 600 E KU + CL 400 P |

## 8.8.1.9 Turn-Only hardware – RC 2 / RC 2 N




[1] Handle centre

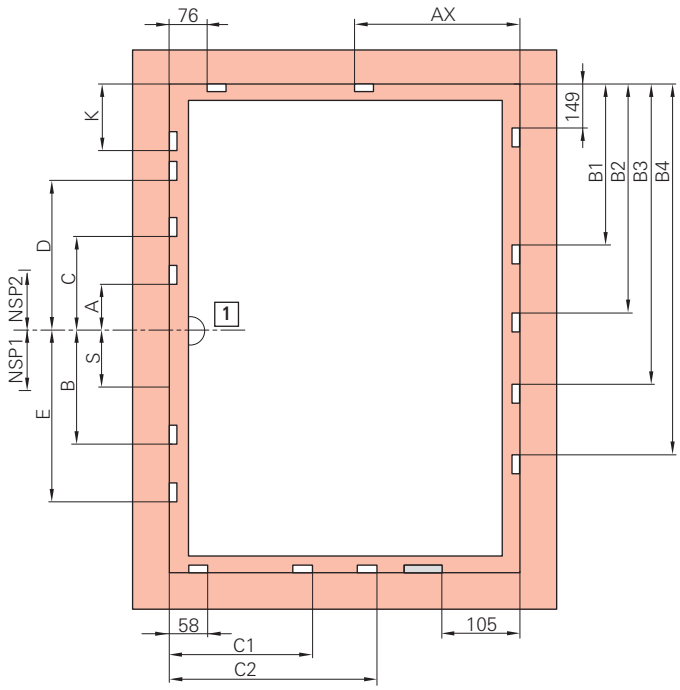
Striker e.g.

Turn restrictor e.g.

### T&T espagnolette, VT – fixed handle height

| SRH [mm] | GH | G1 | G2 | G3 | K | NSP | S |
|---|---|---|---|---|---|---|---|
| 601 – 800 | 263 | – | – | – | – | 350 | – |
| 801 – 1000 | 413 | 550 | – | – | – | 288 | – |
| 1001 – 1200 | 513 | 700 | – | – | – | 388 | – |
| 1201 – 1400 | 563 | 700 | – | – | – | 388 | – |
| 1401 – 1600 | 563 | 700 | 1170 | – | – | 388 | – |
| 1601 – 1800 | 563 | 700 | 1370 | – | – | 388 | – |
| 1601 – 1800 | 1000 | 700 | 1370 | – | – | 1121 | 807 |
| 1801 – 2000 | 1000 | 700 | 1370 | – | – | 1121 | 807 |
| 2001 – 2200 | 1000 | 700 | 1370 | 1770 | – | 1121 | 807 |
| 2201 – 2400 | 1000 | 700 | 1370 | 1770 | – | 1121 | 807 |
| 2401 – 2600 | 1000 | 700 | 1370 | 1770 | 258 | 1121 | 807 |
| 2601 – 2800 | 1000 | 700 | 1370 | 1770 | 458 | 1121 | 807 |

Position of strikers and tilt strikers




[1] Handle centre

Striker e.g.

Turn restrictor e.g.

## T&T espagnolette – centred / variable handle height

| SRH [mm] | A | B | C | D | E | K | NSP 1 | NSP 2 | S |
|---|---|---|---|---|---|---|---|---|---|
| 490 – 620 | – | – | – | – | – | – | – | – | – |
| 621 – 800 | 125 | – | – | – | – | – | 137 | – | – |
| 801 – 1200 | 125 | – | – | – | – | – | 137 | – | – |
| 1201 – 1600 | 125 | 340 | – | – | – | – | 137 | – | – |
| 1601 – 2000 | – | 312 | 358 | – | – | – | – | 109 | 395 |
| 2001 – 2400 | – | 312 | 358 | 758 | 740 | – | – | 109 | 395 |
| 2401 – 2600 | – | 312 | 358 | 758 | 740 | 258 | – | 109 | 395 |
| 2601 – 2800 | – | 312 | 358 | 758 | 740 | 458 | – | 109 | 395 |

## Stay guide

| SRW [mm] | AX | Size |
|---|---|---|
| 801 – 1000 | 600 | 500 / 890 |
| 1001 – 1200 | 600 | 500 / 1090 |
| 1201 – 1400 | 600 | 500 / 1290 |

## Centre lock, vertical, without load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 490 – 650 | 346 | – | – | – | CL 200 V |
| 651 – 850 | 550 | – | – | – | CL 400 V |
| 851 – 1050 | 746 | – | – | – | CL 600 V |
| 1051 – 1250 | 746 | 946 | – | – | CL 600 V KU + CL 200 V |
| 1251 – 1450 | 746 | 1150 | – | – | CL 600 V KU + CL 400 V |
| 1451 – 1650 | 746 | 1346 | – | – | CL 600 V KU + CL 600 V |
| 1651 – 1850 | 746 | 1346 | 1546 | – | 2x CL 600 V KU + CL 200 V |
| 1851 – 2050 | 746 | 1346 | 1750 | – | 2x CL 600 V KU + CL 400 V |
| 2051 – 2250 | 746 | 1346 | 1946 | – | 2x CL 600 V KU + CL 600 V |
| 2251 – 2450 | 746 | 1346 | 1946 | 2146 | 3x CL 600 V KU + CL 200 V |
| 2451 – 2650 | 746 | 1346 | 1946 | 2350 | 3x CL 600 V KU + CL 400 V |
| 2651 – 2800 | 746 | 1346 | 1946 | 2546 | 3x CL 600 V KU + CL 600 V |

### Centre lock, vertical, with load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 1000 – 1150 | 550 | – | – | – | CL 400 V |
| 1151 – 1350 | 746 | – | – | – | CL 600 V |
| 1351 – 1550 | 746 | 946 | – | – | CL 600 V KU + CL 200 V |
| 1551 – 1750 | 746 | 1150 | – | – | CL 600 V KU + CL 400 V |
| 1751 – 1950 | 746 | 1346 | – | – | CL 600 V KU + CL 600 V |
| 1951 – 2150 | 746 | 1346 | 1546 | – | 2x CL 600 V KU + CL 200 V |
| 2151 – 2350 | 746 | 1346 | 1750 | – | 2x CL 600 V KU + CL 400 V |
| 2351 – 2550 | 746 | 1346 | 1946 | – | 2x CL 600 V KU + CL 600 V |
| 2551 – 2750 | 746 | 1346 | 1946 | 2146 | 3x CL 600 V KU + CL 200 V |
| 2751 – 2800 | 746 | 1346 | 1946 | 2350 | 3x CL 600 V KU + CL 400 V |

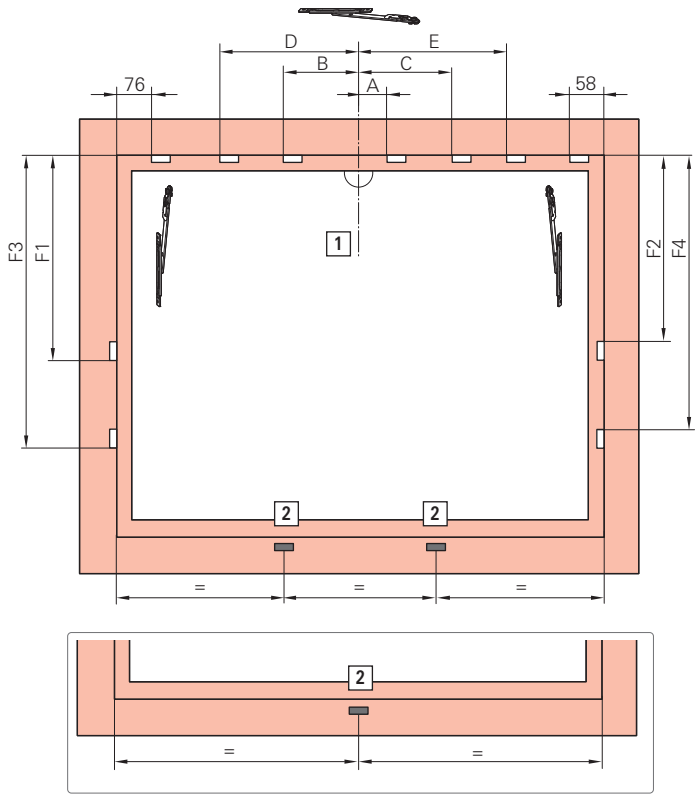
### Centre lock, horizontal, without turn restrictor

| SRW [mm] | C1 | C2 | Centre lock |
|---|---|---|---|
| 450 – 650 | 258 | – | CL 200 V |
| 651 – 850 | 462 | – | CL 400 V |
| 851 – 1000 | 658 | – | CL 600 V |

### Centre lock, horizontal, with turn restrictor

| SRW [mm] | C1 | C2 | Centre lock |
|---|---|---|---|
| 650 – 850 | 258 | – | CL 200 V |
| 851 – 1050 | 462 | – | CL 400 V |
| 1051 – 1250 | 658 | – | CL 600 V |
| 1251 – 1400 | 658 | 858 | CL 600 V KU + CL 200 V |

## 8.8.1.10 Tilt-Only hardware – basic security




[1] Tilt-Only sash with T&T espagnolette, centred / variable handle height with tilt stay

[2] Centre closer, concealed

Striker e.g.

With SRW ≥ 800, place the centre closer in the middle

With SRW ≥ 1600, place two centre closers at an equal distance from each other

### T&T espagnolette – centred / variable handle height

| SRW [mm] | A | B | C | D | E |
|---|---|---|---|---|---|
| 451 – 620 | – | – | – | – | – |
| 621 – 800 | 125 | – | – | – | – |
| 801 – 1200 | 125 | – | – | – | – |
| 1201 – 1600 | 125 | 340 | – | – | – |
| 1601 – 2000 | – | 312 | 358 | – | – |
| 2001 – 2400 | – | 312 | 358 | 740 | 758 |

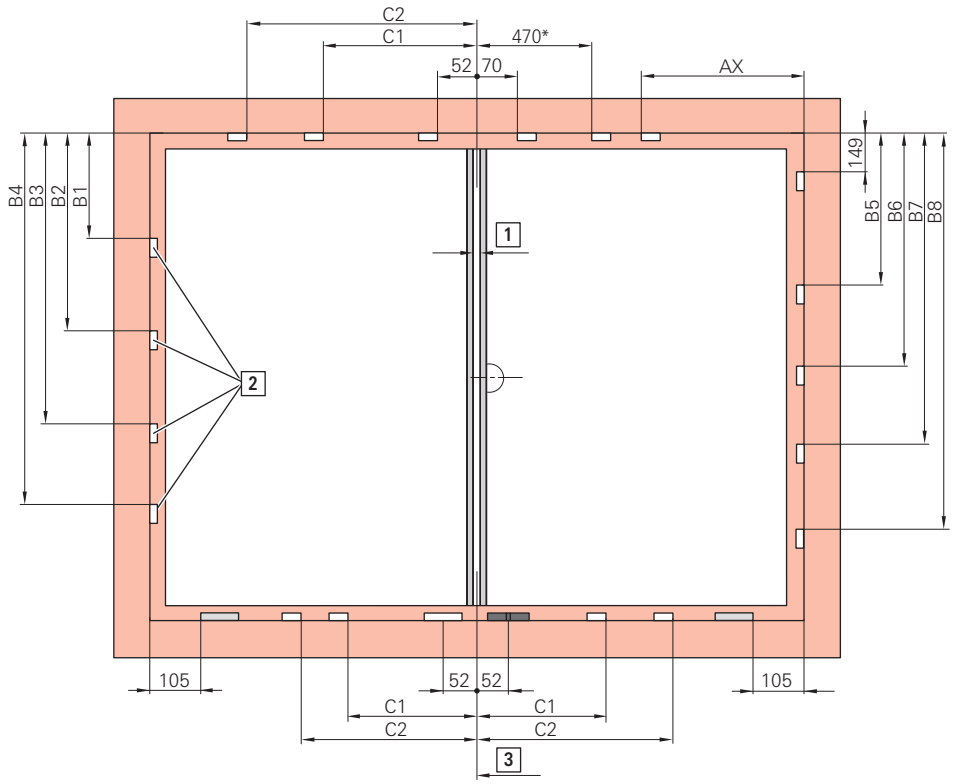
### Centre lock, vertical

| SRH [mm] | F1 | F2 | F3 | F4 | Left / right |
|---|---|---|---|---|---|
| 801 – 1200 | 462 | 480 | – | – | CL 400 E |
| 1201 – 1400 | 658 | 676 | – | – | CL 600 E |
| 1401 – 1500 | 658 | 676 | 858 | 876 | CL 600 E KU + CL 200 P |

**INFO**

Put pressure-proof packers between glass and frame in the area of the centre lock.

## 8.8.1.11 Floating-mullion hardware, standard – basic security




[1] 12 mm rebate clearance between the sashes

[2] Centre closer, concealed

[3] Rebate clearance centre

Striker e.g.

Tilt striker e.g.

Turn restrictor e.g.

* Fit a striker from SRW 1601 mm

### Stay guide

| SRW [mm] | AX | Size |
|---|---|---|
| 801 – 1000 | 600 | 500 / 890 |
| 1001 – 1200 | 750 | 500 / 1090 |
| 1201 – 1400[49][50] | 750 | 500 / 1290 |

### Centre closer, vertical, concealed, without load transfer

| SRH [mm] | B1 | B2 | B3 | B4 |
|---|---|---|---|---|
| 801 – 1200 | 550 | – | – | – |
| 1201 – 1400 | 746 | – | – | – |
| 1401 – 1800 | 746 | 1150 | – | – |
| 1801 – 2000 | 746 | 1346 | – | – |
| 2001 – 2400 | 746 | 1346 | 1750 | – |
| 2401 – 2600 | 746 | 1346 | 1946 | – |
| 2601 – 3000 | 746 | 1346 | 1946 | 2350 |

### Centre closer, vertical, concealed, with load transfer

| SRH [mm] | B1 | B2 | B3 | B4 |
|---|---|---|---|---|
| 1000 – 1200 | 550 | – | – | – |
| 1201 – 1400 | 746 | – | – | – |
| 1401 – 1600 | 746 | 946 | – | – |

[49] from 1401 with additional stay arm

[50] from 1601 with additional stay arm and centre lock

| SRH [mm] | B1 | B2 | B3 | B4 |
|---|---|---|---|---|
| 1601 – 1800 | 746 | 1150 | – | – |
| 1801 – 2000 | 746 | 1346 | – | – |
| 2001 – 2200 | 746 | 1346 | 1546 | – |
| 2201 – 2400 | 746 | 1346 | 1750 | – |
| 2401 – 2600 | 746 | 1346 | 1946 | – |
| 2601 – 2800 | 746 | 1346 | 1946 | 2146 |
| 2801 – 3000 | 746 | 1346 | 1946 | 2350 |

### Centre lock, vertical, without load transfer

| SRH [mm] | B5 | B6 | B7 | B8 | Centre lock |
|---|---|---|---|---|---|
| 801 – 1200 | 550 | – | – | – | CL 400 E |
| 1201 – 1400 | 746 | – | – | – | CL 600 E |
| 1401 – 1800 | 746 | 1150 | – | – | CL 600 E KU + CL 400 E |
| 1801 – 2000 | 746 | 1346 | – | – | CL 600 E KU + CL 600 E |
| 2001 – 2400 | 746 | 1346 | 1750 | – | 2x CL 600 E KU + CL 400 E |
| 2401 – 2600 | 746 | 1346 | 1946 | – | 2x CL 600 E KU + CL 600 E |
| 2601 – 3000 | 746 | 1346 | 1946 | 2350 | 3x CL 600 E KU + CL 400 E |

### Centre lock, vertical, with load transfer

| SRH [mm] | B5 | B6 | B7 | B8 | Centre lock |
|---|---|---|---|---|---|
| 1000 – 1200 | 550 | – | – | – | CL 400 E |
| 1201 – 1400 | 746 | – | – | – | CL 600 E |
| 1401 – 1600 | 746 | 946 | – | – | CL 600 E KU + CL 200 P |
| 1601 – 1800 | 746 | 1150 | – | – | CL 600 E KU + CL 400 E |
| 1801 – 2000 | 746 | 1346 | – | – | CL 600 E KU + CL 600 E |
| 2001 – 2200 | 746 | 1346 | 1546 | – | 2x CL 600 E KU + CL 200 P |
| 2201 – 2400 | 746 | 1346 | 1750 | – | 2x CL 600 E KU + CL 400 E |
| 2401 – 2600 | 746 | 1346 | 1946 | – | 2x CL 600 E KU + CL 600 E |
| 2601 – 2800 | 746 | 1346 | 1946 | 2146 | 3x CL 600 E KU + CL 200 P |
| 2801 – 3000 | 746 | 1346 | 1946 | 2350 | 3x CL 600 E KU + CL 400 E |

### Centre lock, horizontal

| SRW [mm] | C1 | C2 | top |
|---|---|---|---|
| 801 – 1200 | 456 | – | CL 400 E |
| 1201 – 1400 | 652 | – | CL 600 E |
| 1401 – 1600 | 652 | 852 | CL 600 E KU + CL 200 P |
| 1601 – 1750 | 652 | 1056 | CL 600 E KU + CL 400 E |

### Centre lock, horizontal, with turn restrictor

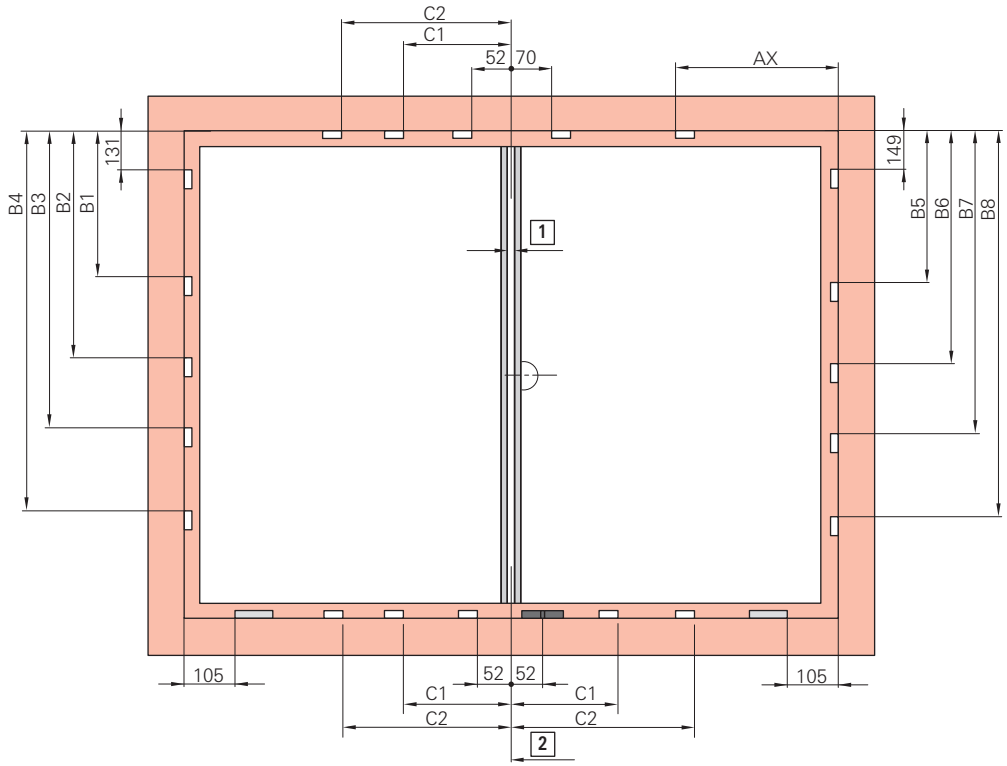
| SRW [mm] | C1 | C2 | bottom |
|---|---|---|---|
| 801 – 850 | 252 | – | CL 200 P |
| 851 – 1200 | 456 | – | CL 400 E |
| 1201 – 1400 | 652 | – | CL 600 E |
| 1401 – 1600 | 652 | 852 | CL 600 E KU + CL 200 P |
| 1601 – 1750 | 652 | 1056 | CL 600 E KU + CL 400 E |

### Centre lock, horizontal, without turn restrictor

| SRW [mm] | C1 | C2 | bottom |
|---|---|---|---|
| 801 – 1000 | 456 | – | CL 400 E |

**INFO**
Mount the second opening sash with the lever-operated espagnolette open.

## 8.8.1.12 Floating-mullion hardware, standard – RC 1 N




[1] 12 mm rebate clearance between the sashes

[2] Rebate clearance centre

Striker e.g.

Tilt striker e.g.

Turn restrictor e.g.

### Stay guide

| SRW [mm] | AX | Size |
|---|---|---|
| 801 – 1000 | 600 | 500 / 890 |
| 1001 – 1200 | 750 | 500 / 1090 |
| 1201 – 1400[51] | 750 | 500 / 1290 |

### Centre lock, vertical, without load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | Centre lock |
|---|---|---|---|---|---|---|---|---|---|
| 801 – 1200 | 532 | – | – | – | 550 | – | – | – | CL 400 E |
| 1201 – 1400 | 728 | – | – | – | 746 | – | – | – | CL 600 E |
| 1401 – 1800 | 728 | 1132 | – | – | 746 | 1150 | – | – | CL 600 E KU + CL 400 E |
| 1801 – 2000 | 728 | 1328 | – | – | 746 | 1346 | – | – | CL 600 E KU + CL 600 E |
| 2001 – 2400 | 728 | 1328 | 1732 | – | 746 | 1346 | 1750 | – | 2x CL 600 E KU + CL 400 E |
| 2401 – 2600 | 728 | 1328 | 1928 | – | 746 | 1346 | 1946 | – | 2x CL 600 E KU + CL 600 E |
| 2601 – 2800 | 728 | 1328 | 1928 | 2332 | 746 | 1346 | 1946 | 2350 | 3x CL 600 E KU + CL 400 E |

### Centre lock, vertical, with load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | Centre lock |
|---|---|---|---|---|---|---|---|---|---|
| 1000 – 1200 | 532 | – | – | – | 550 | – | – | – | CL 400 E |
| 1201 – 1400 | 728 | – | – | – | 746 | – | – | – | CL 600 E |
| 1401 – 1600 | 728 | 928 | – | – | 746 | 946 | – | – | CL 600 E KU + CL 200 P |
| 1601 – 1800 | 728 | 1132 | – | – | 746 | 1150 | – | – | CL 600 E KU + CL 400 E |
| 1801 – 2000 | 728 | 1328 | – | – | 746 | 1346 | – | – | CL 600 E KU + CL 600 E |
| 2001 – 2200 | 728 | 1328 | 1528 | – | 746 | 1346 | 1546 | – | 2x CL 600 E KU + CL 200 P |
| 2201 – 2400 | 728 | 1328 | 1732 | – | 746 | 1346 | 1750 | – | 2x CL 600 E KU + CL 400 E |

[51] from 1401 with additional stay arm

| SRH [mm] | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | Centre lock |
|---|---|---|---|---|---|---|---|---|---|
| 2401 – 2600 | 728 | 1328 | 1928 | – | 746 | 1346 | 1946 | – | 2x CL 600 E KU + CL 600 E |
| 2601 – 2800 | 728 | 1328 | 1928 | 2128 | 746 | 1346 | 1946 | 2146 | 3x CL 600 E KU + CL 200 P |

### Centre lock, horizontal

| SRW [mm] | C1 | C2 | top |
|---|---|---|---|
| 711 – 910 | 252 | – | CL 200 E KU |
| 911 – 1110 | 452 | – | CL 400 E KU |
| 1111 – 1310 | 652 | – | CL 600 E KU |
| 1311 – 1510 | 652 | 852 | CL 600 E KU + CL 200 E KU |
| 1511 – 1600 | 652 | 1052 | CL 600 E KU + CL 400 E KU |

### Centre lock, horizontal, without turn restrictor

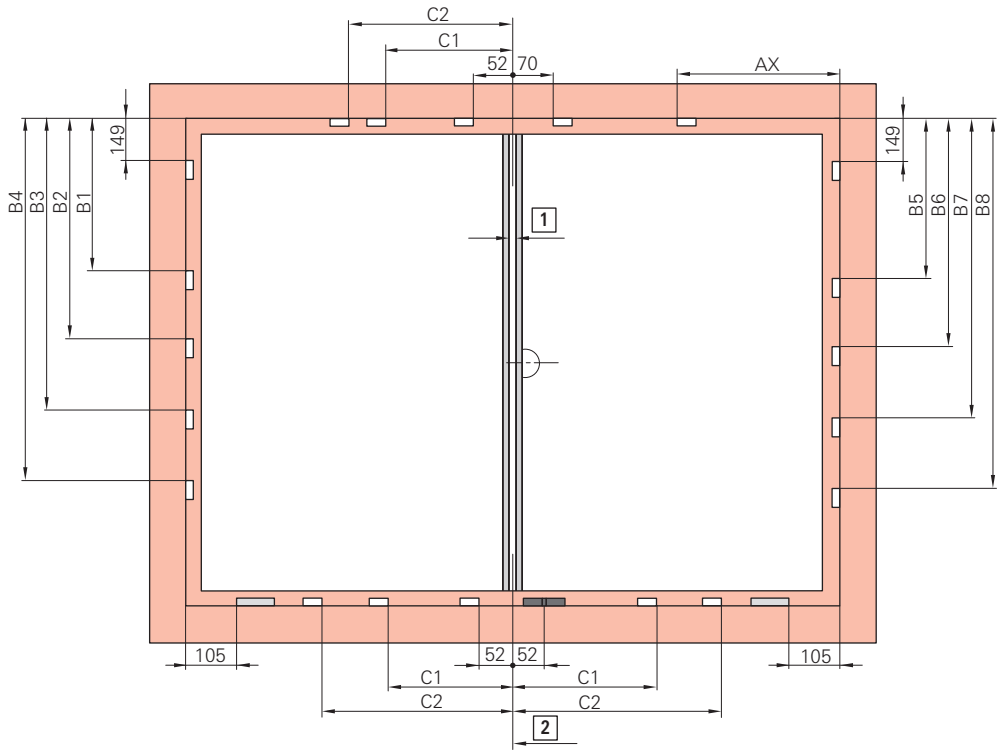
| SRW [mm] | C1 | Bottom |
|---|---|---|
| 450 – 650 | 252 | CL 200 P |
| 651 – 850 | 456 | CL 400 P |
| 851 – 1000 | 652 | CL 600 P |

### Centre lock, horizontal, with turn restrictor

| SRW [mm] | C1 | C2 | Bottom |
|---|---|---|---|
| 650 – 850 | 252 | – | CL 200 P |
| 851 – 1050 | 456 | – | CL 400 P |
| 1051 – 1250 | 652 | – | CL 600 P |
| 1251 – 1450 | 652 | 852 | CL 600 E KU + CL 200 P |
| 1451 – 1600 | 652 | 1056 | CL 600 E KU + CL 400 P |

**INFO**
Mount the second opening sash with the lever-operated espagnolette open.

## 8.8.1.13 Floating-mullion hardware, standard – RC 2 / RC 2 N



[1] 12 mm rebate clearance between the sashes

[2] Rebate clearance centre

Striker e.g.

Tilt striker e.g.

Turn restrictor e.g.

## Stay guide

| SRW [mm] | AX | Size |
|---|---|---|
| 801 – 1000 | 600 | 500 / 890 |
| 1001 – 1200 | 600 | 500 / 1090 |
| 1201 – 1400 | 600 | 500 / 1290 |

## Centre lock, vertical, without load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | Centre lock |
|---|---|---|---|---|---|---|---|---|---|
| 490 – 650 | 328 | – | – | – | 346 | – | – | – | CL 200 V |
| 651 – 850 | 532 | – | – | – | 550 | – | – | – | CL 400 V |
| 851 – 1050 | 728 | – | – | – | 746 | – | – | – | CL 600 V |
| 1051 – 1250 | 728 | 928 | – | – | 746 | 946 | – | – | CL 600 V KU + CL 200 V |
| 1251 – 1450 | 728 | 1132 | – | – | 746 | 1150 | – | – | CL 600 V KU + CL 400 V |
| 1451 – 1650 | 728 | 1328 | – | – | 746 | 1346 | – | – | CL 600 V KU + CL 600 V |
| 1651 – 1850 | 728 | 1328 | 1528 | – | 746 | 1346 | 1546 | – | 2x CL 600 V KU + CL 200 V |
| 1851 – 2050 | 728 | 1328 | 1732 | – | 746 | 1346 | 1750 | – | 2x CL 600 V KU + CL 400 V |
| 2051 – 2250 | 728 | 1328 | 1928 | – | 746 | 1346 | 1946 | – | 2x CL 600 V KU + CL 600 V |
| 2251 – 2450 | 728 | 1328 | 1928 | 2128 | 746 | 1346 | 1946 | 2146 | 3x CL 600 V KU + CL 200 V |
| 2451 – 2650 | 728 | 1328 | 1928 | 2332 | 746 | 1346 | 1946 | 2350 | 3x CL 600 V KU + CL 400 V |
| 2651 – 2800 | 728 | 1328 | 1928 | 2528 | 746 | 1346 | 1946 | 2546 | 3x CL 600 V KU + CL 600 V |

## Centre lock, vertical, with load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | Centre lock |
|---|---|---|---|---|---|---|---|---|---|
| 1000 – 1150 | 532 | – | – | | 550 | – | – | | CL 400 V |
| 1151 – 1350 | 728 | – | – | | 746 | – | – | | CL 600 V |
| 1351 – 1550 | 728 | 928 | – | | 746 | 946 | – | | CL 600 V KU + CL 200 V |
| 1551 – 1750 | 728 | 1132 | – | | 746 | 1150 | – | | CL 600 V KU + CL 400 V |
| 1751 – 1950 | 728 | 1328 | – | | 746 | 1346 | – | | CL 600 V KU + CL 600 V |
| 1951 – 2150 | 728 | 1328 | 1528 | | 746 | 1346 | 1546 | | 2x CL 600 V KU + CL 200 V |
| 2151 – 2350 | 728 | 1328 | 1732 | | 746 | 1346 | 1750 | | 2x CL 600 V KU + CL 400 V |
| 2351 – 2550 | 728 | 1328 | 1928 | | 746 | 1346 | 1946 | | 2x CL 600 V KU + CL 600 V |
| 2551 – 2750 | 728 | 1328 | 1928 | 2128 | 746 | 1346 | 1946 | 2146 | 3x CL 600 V KU + CL 200 V |
| 2751 – 2800 | 728 | 1328 | 1928 | 2332 | 746 | 1346 | 1946 | 2350 | 3x CL 600 V KU + CL 400 V |

## Centre lock, horizontal

| SRW [mm] | C1 | C2 | top |
|---|---|---|---|
| 711 – 910 | 252 | – | CL 200 V KU |
| 911 – 1110 | 452 | – | CL 400 KU |
| 1111 – 1310 | 652 | – | CL 600 V KU |
| 1311 – 1400 | 652 | 852 | CL 600 V KU + CL 200 KU |

## Centre lock, horizontal, without turn restrictor

| SRW [mm] | C1 | bottom |
|---|---|---|
| 450 – 650 | 252 | CL 200 V |
| 651 – 850 | 456 | CL 400 V |
| 851 – 1000 | 652 | CL 600 V |

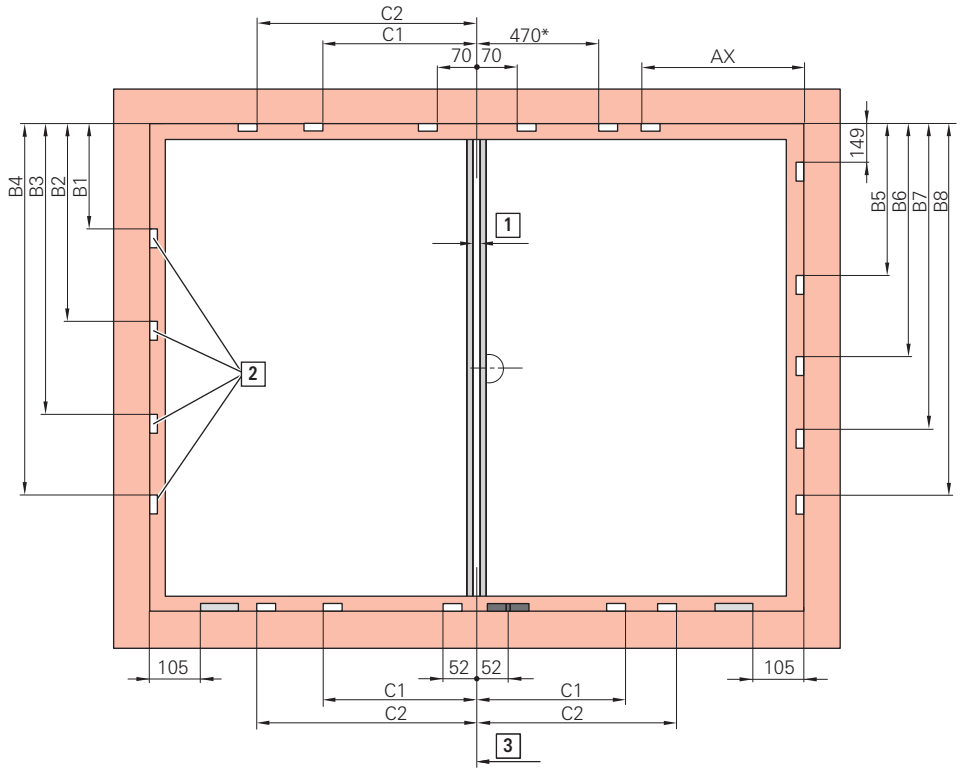
## Centre lock, horizontal, with turn restrictor

| SRW [mm] | C1 | C2 | Bottom |
|---|---|---|---|
| 650 – 850 | 252 | – | CL 200 V |
| 851 – 1050 | 456 | – | CL 400 V |

| SRW [mm] | C1 | C2 | Bottom |
|---|---|---|---|
| 1051 – 1250 | 652 | – | CL 600 V |
| 1251 – 1400 | 652 | 852 | CL 600 V KU + CL 200 V |

**INFO**
Mount the second opening sash with the lever-operated espagnolette open.

## 8.8.1.14 Floating-mullion hardware Plus – basic security




[1] 12 mm rebate clearance between the sashes

[2] Centre closer, concealed

[3] Rebate clearance centre

Striker e.g.

Tilt striker e.g.

Turn restrictor e.g.

* Fit a striker from SRW 1601 mm

### Stay guide

| SRW [mm] | AX | Size |
|---|---|---|
| 801 – 1000 | 600 | 500 / 890 |
| 1001 – 1200 | 750 | 500 / 1090 |
| 1201 – 1400[52][53] | 750 | 500 / 1290 |

### Centre closer, vertical, concealed, without load transfer

| SRH [mm] | B1 | B2 | B3 | B4 |
|---|---|---|---|---|
| 801 – 1200 | 550 | – | – | – |
| 1201 – 1400 | 746 | – | – | – |
| 1401 – 1800 | 746 | 1150 | – | – |
| 1801 – 2000 | 746 | 1346 | – | – |

[52] from 1401 with additional stay arm

[53] from 1601 with additional stay arm and centre lock 200 without cam

| SRH [mm] | B1 | B2 | B3 | B4 |
|---|---|---|---|---|
| 2001 – 2400 | 746 | 1346 | 1750 | – |
| 2401 – 2600 | 746 | 1346 | 1946 | – |
| 2601 – 3000 | 746 | 1346 | 1946 | 2350 |

### Centre closer, vertical, concealed, with load transfer

| SRH [mm] | B1 | B2 | B3 | B4 |
|---|---|---|---|---|
| 1000 – 1200 | 550 | – | – | – |
| 1201 – 1400 | 746 | – | – | – |
| 1401 – 1600 | 746 | 946 | – | – |
| 1601 – 1800 | 746 | 1150 | – | – |
| 1801 – 2000 | 746 | 1346 | – | – |
| 2001 – 2200 | 746 | 1346 | 1546 | – |
| 2201 – 2400 | 746 | 1346 | 1750 | – |
| 2401 – 2600 | 746 | 1346 | 1946 | – |
| 2601 – 2800 | 746 | 1346 | 1946 | 2146 |
| 2801 – 3000 | 746 | 1346 | 1946 | 2350 |

### Centre lock, vertical, without load transfer

| SRH [mm] | B5 | B6 | B7 | B8 | Centre lock |
|---|---|---|---|---|---|
| 801 – 1200 | 550 | – | – | – | CL 400 E |
| 1201 – 1400 | 746 | – | – | – | CL 600 E |
| 1401 – 1800 | 746 | 1150 | – | – | CL 600 E KU + CL 400 E |
| 1801 – 2000 | 746 | 1346 | – | – | CL 600 E KU + CL 600 E |
| 2001 – 2400 | 746 | 1346 | 1750 | – | 2x CL 600 E KU + CL 400 E |
| 2401 – 2600 | 746 | 1346 | 1946 | – | 2x CL 600 E KU + CL 600 E |
| 2601 – 3000 | 746 | 1346 | 1946 | 2350 | 3x CL 600 E KU + CL 400 E |

### Centre lock, vertical, with load transfer

| SRH [mm] | B5 | B6 | B7 | B8 | Centre lock |
|---|---|---|---|---|---|
| 1000 – 1200 | 550 | – | – | – | CL 400 E |
| 1201 – 1400 | 746 | – | – | – | CL 600 E |
| 1401 – 1600 | 746 | 946 | – | – | CL 600 E KU + CL 200 P |
| 1601 – 1800 | 746 | 1150 | – | – | CL 600 E KU + CL 400 E |
| 1801 – 2000 | 746 | 1346 | – | – | CL 600 E KU + CL 600 E |
| 2001 – 2200 | 746 | 1346 | 1546 | – | 2x CL 600 E KU + CL 200 P |
| 2201 – 2400 | 746 | 1346 | 1750 | – | 2x CL 600 E KU + CL 400 E |
| 2401 – 2600 | 746 | 1346 | 1946 | – | 2x CL 600 E KU + CL 600 E |
| 2601 – 2800 | 746 | 1346 | 1946 | 2146 | 3x CL 600 E KU + CL 200 P |
| 2801 – 3000 | 746 | 1346 | 1946 | 2350 | 3x CL 600 E KU + CL 400 E |

### Centre lock, horizontal

| SRW [mm] | C1 | C2 | top |
|---|---|---|---|
| 801 – 1200 | 474 | – | CL 400 E |
| 1201 – 1400 | 670 | – | CL 600 E |
| 1401 – 1600 | 670 | 870 | CL 600 E KU + CL 200 P |
| 1601 – 1750 | 670 | 1074 | CL 600 E KU + CL 400 E |

### Centre lock, horizontal, with turn restrictor

| SRW [mm] | C1 | C2 | bottom |
|---|---|---|---|
| 801 – 850 | 252 | – | CL 200 P |
| 851 – 1200 | 456 | – | CL 400 E |
| 1201 – 1400 | 652 | – | CL 600 E |
| 1401 – 1600 | 652 | 852 | CL 600 E KU + CL 200 P |
| 1601 – 1750 | 652 | 1056 | CL 600 E KU + CL 400 E |

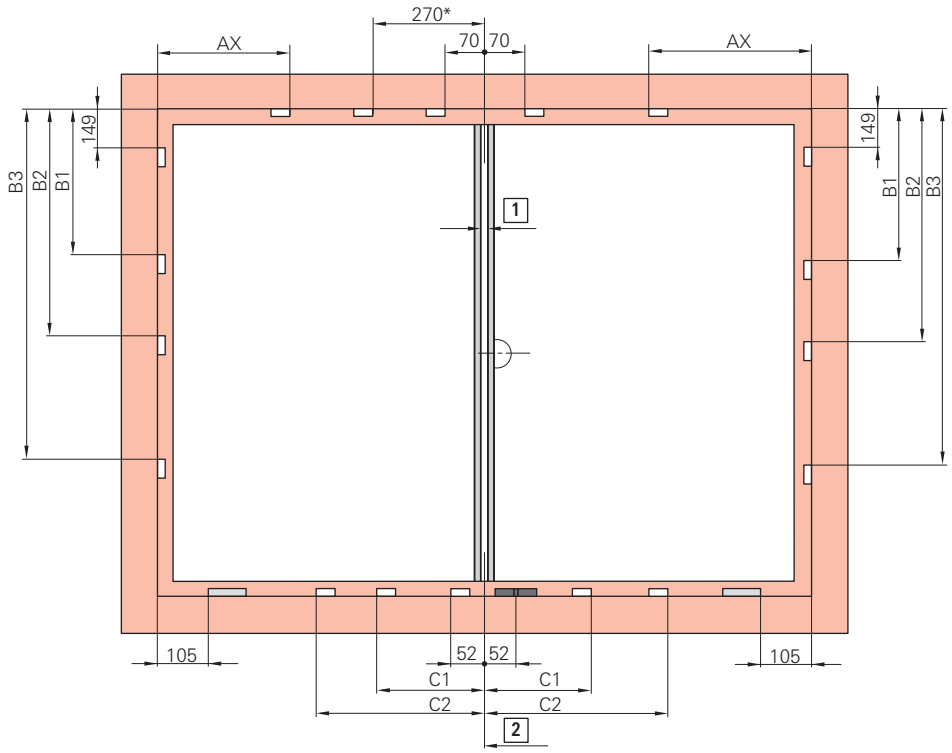
### Centre lock, horizontal, without turn restrictor

| SRW [mm] | C1 | C2 | bottom |
|---|---|---|---|
| 801 – 1000 | 456 | – | CL 400 E |

**INFO**

Mount the second opening sash with the lever-operated espagnolette open.

## 8.8.1.15 Floating-mullion hardware Plus – RC 1 N




[1] 12 mm rebate clearance between the sashes

[2] Rebate clearance centre

Striker e.g.

Tilt striker e.g.

Turn restrictor e.g.

* Fit a striker from SRW 1401 mm

### Stay guide

| SRW [mm] | AX | Size |
|---|---|---|
| 801 – 1000 | 600 | 500 / 890 |
| 1001 – 1200 | 750 | 500 / 1090 |
| 1201 – 1400 [54] | 750 | 500 / 1290 |

### Centre lock, vertical, without load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 801 – 1200 | 550 | – | – | – | CL 400 E |
| 1201 – 1400 | 746 | – | – | – | CL 600 E |
| 1401 – 1800 | 746 | 1150 | – | – | CL 600 E KU + CL 400 E |
| 1801 – 2000 | 746 | 1346 | – | – | CL 600 E KU + CL 600 E |
| 2001 – 2400 | 746 | 1346 | 1750 | – | 2x CL 600 E KU + CL 400 E |

[54] First opening sash: from 1401 mm with additional stay arm

Second opening sash: CL 200 from 1401 mm

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 2401 – 2600 | 746 | 1346 | 1946 | – | 2x CL 600 E KU + CL 600 E |
| 2601 – 2800 | 746 | 1346 | 1946 | 2350 | 3x CL 600 E KU + CL 400 E |

### Centre lock, vertical, with load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 1000 – 1200 | 550 | – | – | – | CL 400 E |
| 1201 – 1400 | 746 | – | – | – | CL 600 E |
| 1401 – 1600 | 746 | 946 | – | – | CL 600 E KU + CL 200 P |
| 1601 – 1800 | 746 | 1150 | – | – | CL 600 E KU + CL 400 E |
| 1801 – 2000 | 746 | 1346 | – | – | CL 600 E KU + CL 600 E |
| 2001 – 2200 | 746 | 1346 | 1546 | – | 2x CL 600 E KU + CL 200 P |
| 2201 – 2400 | 746 | 1346 | 1750 | – | 2x CL 600 E KU + CL 400 E |
| 2401 – 2600 | 746 | 1346 | 1946 | – | 2x CL 600 E KU + CL 600 E |
| 2601 – 2800 | 746 | 1346 | 1946 | 2146 | 3x CL 600 E KU + CL 200 P |

### Centre lock, horizontal, without turn restrictor

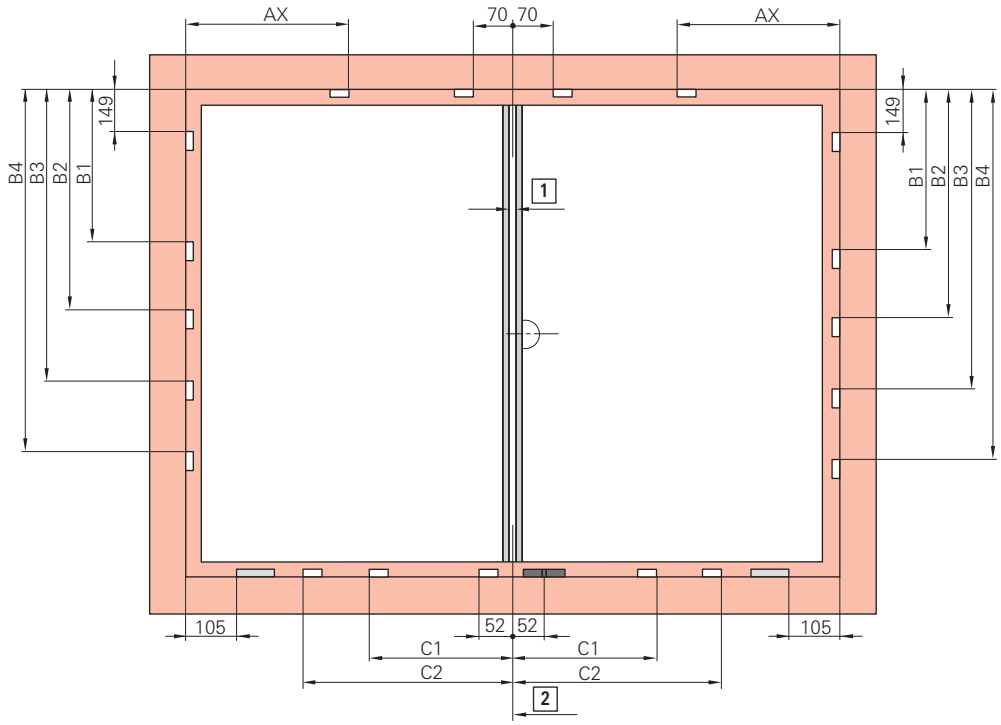
| SRW [mm] | C1 | Bottom |
|---|---|---|
| 450 – 650 | 252 | CL 200 P |
| 651 – 850 | 456 | CL 400 P |
| 851 – 1000 | 652 | CL 600 P |

### Centre lock, horizontal, with turn restrictor

| SRW [mm] | C1 | C2 | Bottom |
|---|---|---|---|
| 650 – 850 | 252 | – | CL 200 P |
| 851 – 1050 | 456 | – | CL 400 P |
| 1051 – 1250 | 652 | – | CL 600 P |
| 1251 – 1450 | 652 | 852 | CL 600 E KU + CL 200 P |
| 1451 – 1600 | 652 | 1056 | CL 600 E KU + CL 400 P |

**INFO**
Mount the second opening sash with the lever-operated espagnolette open.

## 8.8.1.16 Floating-mullion hardware Plus – RC 2 / RC 2 N




[1] 12 mm rebate clearance between the sashes

[2] Rebate clearance centre

Striker e.g.

Tilt striker e.g.

Turn restrictor e.g.

### Stay guide

| SRW [mm] | AX | Size |
|---|---|---|
| 801 – 1000 | 600 | 500 / 890 |
| 1001 – 1200 | 600 | 500 / 1090 |
| 1201 – 1400 | 600 | 500 / 1290 |

### Centre lock, vertical, without load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 490 – 650 | 346 | – | – | – | CL 200 V |
| 651 – 850 | 550 | – | – | – | CL 400 V |
| 851 – 1050 | 746 | – | – | – | CL 600 V |
| 1051 – 1250 | 746 | 946 | – | – | CL 600 V KU + CL 200 V |
| 1251 – 1450 | 746 | 1150 | – | – | CL 600 V KU + CL 400 V |
| 1451 – 1650 | 746 | 1346 | – | – | CL 600 V KU + CL 600 V |
| 1651 – 1850 | 746 | 1346 | 1546 | – | 2x CL 600 V KU + CL 200 V |
| 1851 – 2050 | 746 | 1346 | 1750 | – | 2x CL 600 V KU + CL 400 V |
| 2051 – 2250 | 746 | 1346 | 1946 | – | 2x CL 600 V KU + CL 600 V |
| 2251 – 2450 | 746 | 1346 | 1946 | 2146 | 3x CL 600 V KU + CL 200 V |
| 2451 – 2650 | 746 | 1346 | 1946 | 2350 | 3x CL 600 V KU + CL 400 V |
| 2651 – 2800 | 746 | 1346 | 1946 | 2546 | 3x CL 600 V KU + CL 600 V |

### Centre lock, vertical, with load transfer

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 1000 – 1150 | 550 | – | – | – | CL 400 V |
| 1151 – 1350 | 746 | – | – | – | CL 600 V |
| 1351 – 1550 | 746 | 946 | – | – | CL 600 V KU + CL 200 V |
| 1551 – 1750 | 746 | 1150 | – | – | CL 600 V KU + CL 400 V |

| SRH [mm] | B1 | B2 | B3 | B4 | Centre lock |
|---|---|---|---|---|---|
| 1751 – 1950 | 746 | 1346 | – | – | CL 600 V KU + CL 600 V |
| 1951 – 2150 | 746 | 1346 | 1546 | – | 2x CL 600 V KU + CL 200 V |
| 2151 – 2350 | 746 | 1346 | 1750 | – | 2x CL 600 V KU + CL 400 V |
| 2351 – 2550 | 746 | 1346 | 1946 | – | 2x CL 600 V KU + CL 600 V |
| 2551 – 2750 | 746 | 1346 | 1946 | 2146 | 3x CL 600 V KU + CL 200 V |
| 2751 – 2800 | 746 | 1346 | 1946 | 2350 | 3x CL 600 V KU + CL 240 V |

### Centre lock, horizontal, without turn restrictor

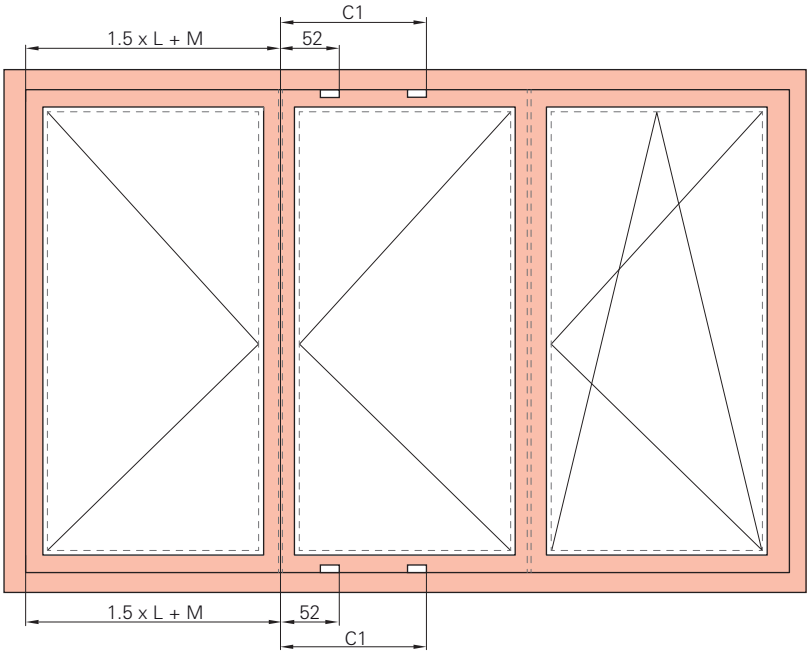
| SRW [mm] | C1 | Bottom |
|---|---|---|
| 450 – 650 | 252 | CL 200 V |
| 651 – 850 | 456 | CL 400 V |
| 851 – 1000 | 652 | CL 600 V |

### Centre lock, horizontal, with turn restrictor

| SRW [mm] | C1 | C2 | Bottom |
|---|---|---|---|
| 650 – 850 | 252 | – | CL 200 V |
| 851 – 1050 | 456 | – | CL 400 V |
| 1051 – 1250 | 652 | – | CL 600 V |
| 1251 – 1400 | 652 | 852 | CL 600 V KU + CL 200 V |

**INFO**
Mount the second opening sash with the lever-operated espagnolette open.

## 8.8.1.17 Centre sash – floating-mullion hardware, standard – basic security




Striker e.g.

[L] = Rebate clearance

[M] = Sash rebate width

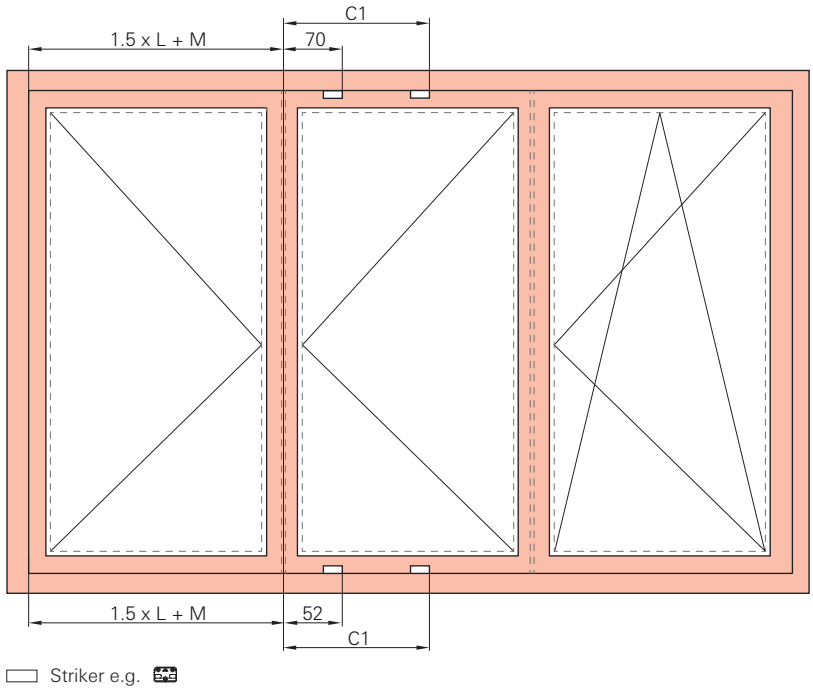
### Centre lock, horizontal, without turn restrictor

| SRW [mm] | C1 | Centre lock |
|---|---|---|
| 801 – 1200 | 652 | CL 400 E |

### Centre lock, horizontal, with turn restrictor

| SRW [mm] | C1 | Centre lock |
|---|---|---|
| 801 – 850 | 652 | CL 200 P |
| 851 – 1200 | 1056 | CL 400 E |

## 8.8.1.18 Centre sash – floating-mullion hardware Plus – basic security




[L] = Rebate clearance
[M] = Sash rebate width

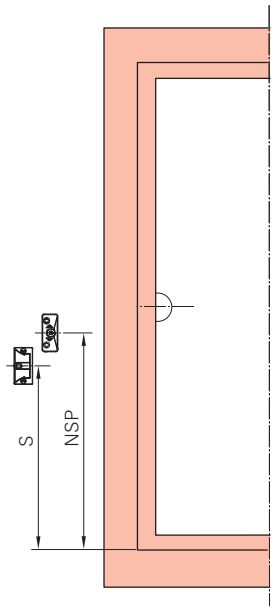
### Centre lock, horizontal, without turn restrictor

| SRW [mm] | C1 | Centre lock |
|---|---|---|
| 801 – 1200 | 652 | CL 400 E |

### Centre lock, horizontal, with turn restrictor

| SRW [mm] | C1 | Centre lock |
|---|---|---|
| 801 – 850 | 652 | CL 200 P |
| 851 – 1200 | 1056 | CL 400 E |

## 8.8.2 Position of the lifting mishandling device and bullet catch




[NSP] Lifting mishandling device

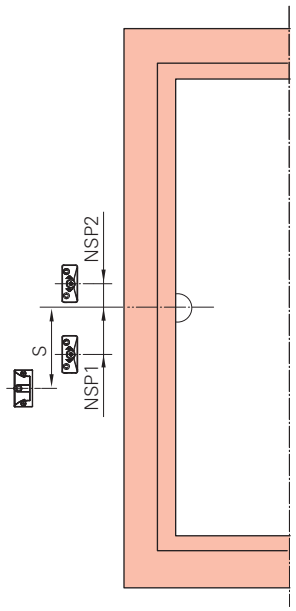
[S] Bullet catch

### T&T espagnolette, VT – fixed handle height

| SRH [mm] | NSP | S |
|---|---|---|
| 280 – 480 | – | – |
| 481 – 600 | 262 | – |
| 601 – 800 | 350 | – |
| 801 – 1000 | 288 | – |
| 1001 – 1200 | 388 | – |
| 1201 – 1400 | 388 | – |
| 1401 – 1600 | 388 | – |
| 1601 – 1800 | 388 | – |
| 1601 – 1800 | 1121 | 807 |
| 1801 – 2000 | 1121 | 807 |
| 2001 – 2600 | 1121 | 807 |
| 2601 – 3000 | 1121 | 807 |

**Frame**

Position of the lifting mishandling device and bullet catch




[NSP] = Lifting mishandling device

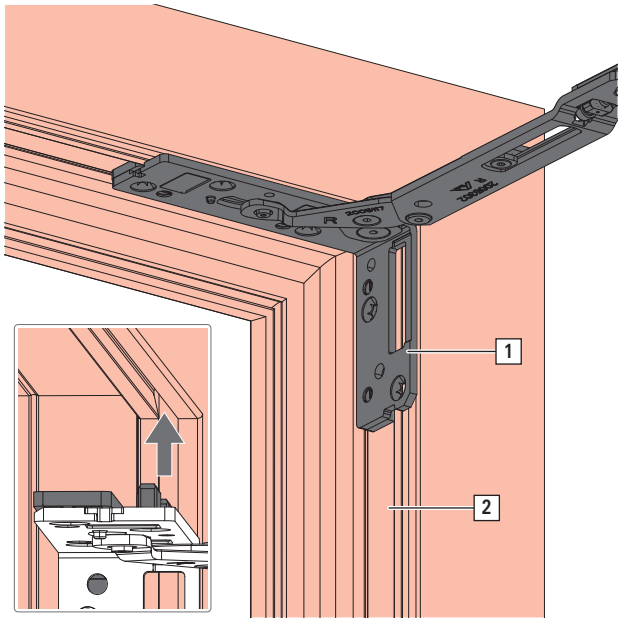
[S] Bullet catch

### T&T espagnolette – centred / variable handle height

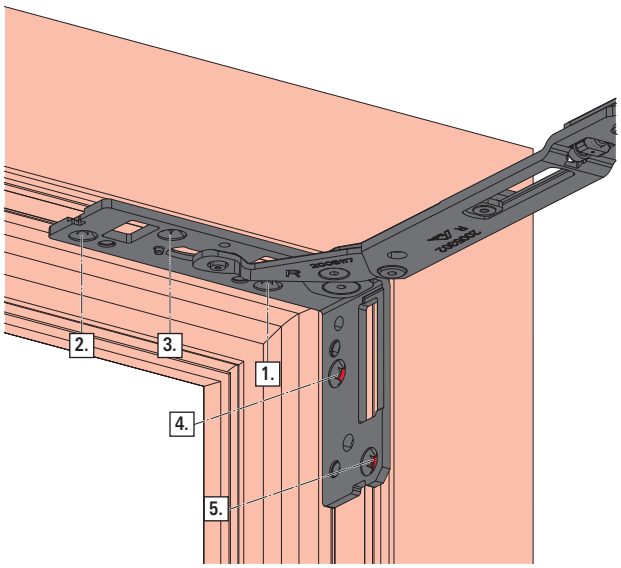
| SRH [mm] | NSP 1 | NSP 2 | S |
|---|---|---|---|
| 450 – 620 | – | – | – |
| 621 – 800 | 137 | – | – |
| 801 – 1200 | 137 | – | – |
| 1201 – 1600 | 137 | – | – |
| 1601 – 2000 | – | 109 | 395 |
| 2001 – 2400 | – | 109 | 395 |
| 2401 – 2600 | – | 109 | 395 |
| 2601 – 3000 | – | 109 | 395 |

## 8.8.3 Sash stay / rebate sash stay

1. Place the sash stay [1] in the frame [2].
   The support plate must engage in the frame groove.



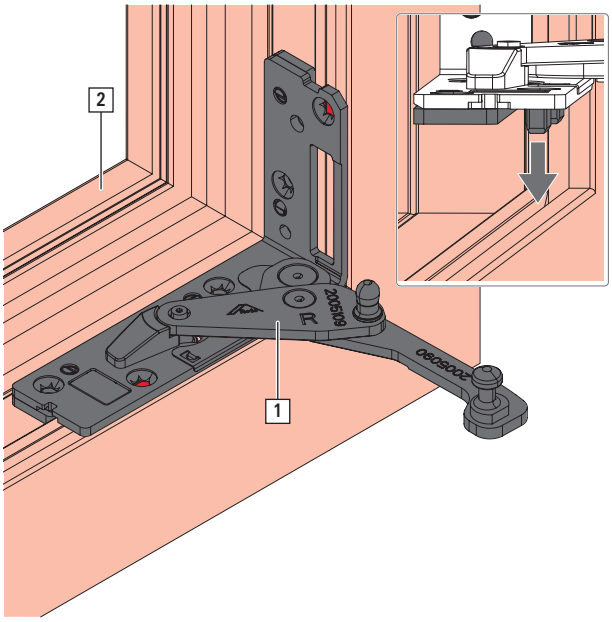

2. Fasten with five screws.
   **Recommended screw sequence**
   Tighten the rear screw [1.] on the horizontal leg first. Then tighten screws [2.], [3.], [4.] and [5.].



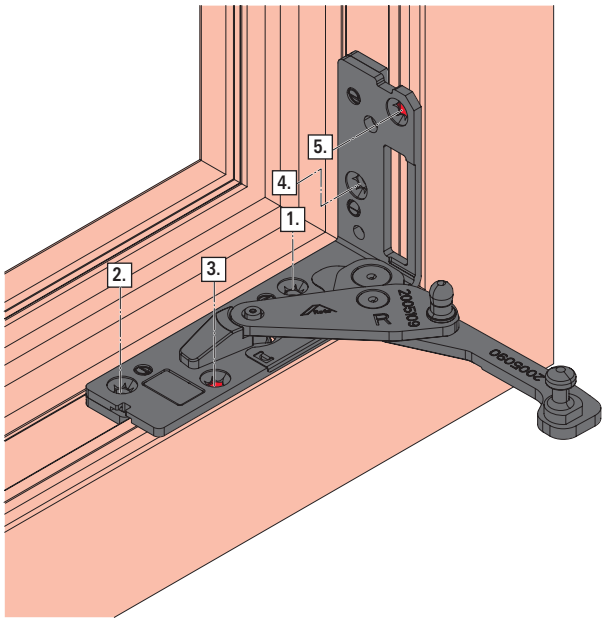

**INFO**
Check that the screws are seated flush. The screws must not protrude beyond the baseplate by more than 0.2 mm.

## 8.8.4 Pivot rest

1. Place the pivot rest [1] on the frame [2].
   The support plate must engage in the frame groove.



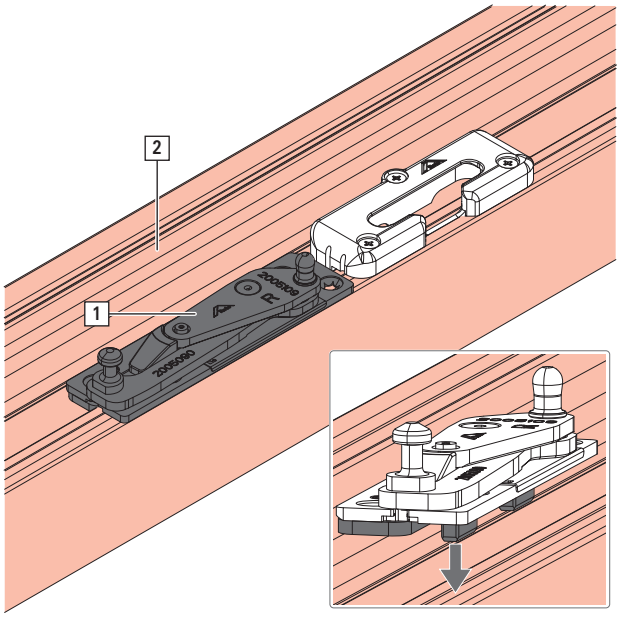

2. Fasten with five screws.
   **Recommended screw sequence**
   Tighten the rear screw [1.] on the horizontal leg first. Then tighten screws [2.], [3.], [4.] and [5.].




**INFO**
Check that the screws are seated flush. The screws must not protrude beyond the baseplate by more than 0.2 mm.

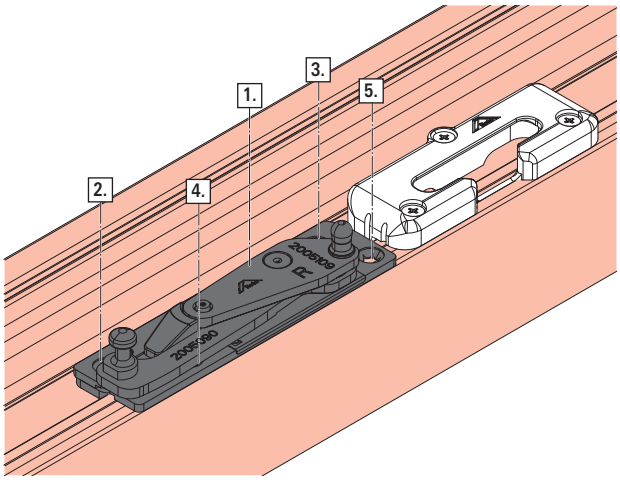
## 8.8.5 Centre sash pivot rest

1. For the drilling position, see → *from page 222*
   Place the pivot rest [1] on the frame [2].



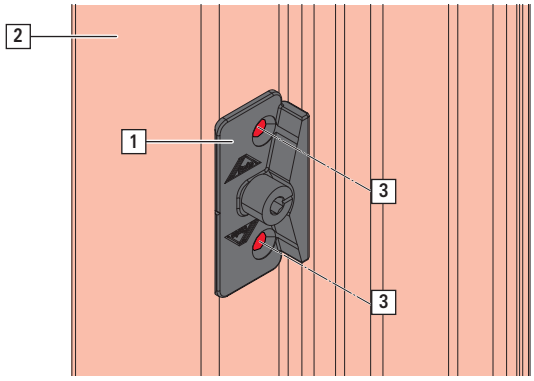

2. Fasten with five screws.
   **Recommended screw sequence**
   Tighten the rear screw [1.] first. Then tighten screws [2.], [3.], [4.] and [5.].

> **INFO**
> Check that the screws are seated flush. The screws must not protrude beyond the baseplate by more than 0.2 mm.




## 8.8.6 Lifting mishandling device

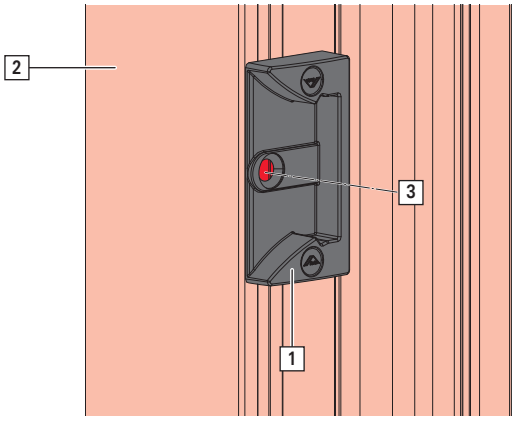
1. Position the lifting mishandling device frame component [1] in the frame [2] → *from page 279*.




2. Fasten with two screws [3].

## 8.8.7 Bullet catch

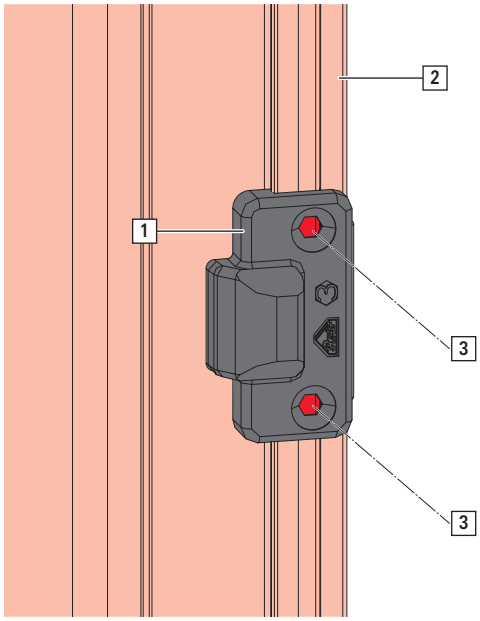
1. Position the bullet-catch frame component [1] in the frame [2] → *from page 279*.




2. Fasten with a screw [3].

## 8.8.8 Centre closer

1. Position the centre closer [1] in the frame [2] → *from page 241*.

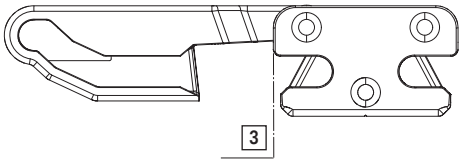


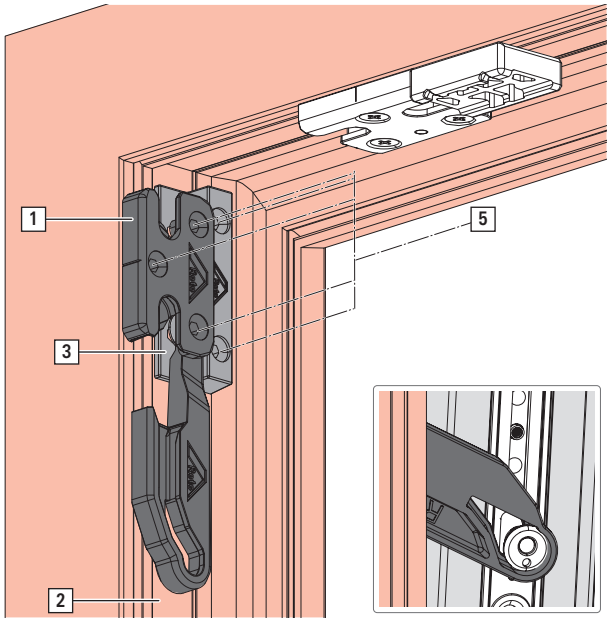

2. Fasten with two screws [3].

**INFO**
Put pressure-proof packers between glass and frame in the area of the centre closers.

## 8.8.9 Security striker for tilt ventilation (TiltSafe)

1. Position the security striker for tilt ventilation [1] on the frame [2].
   Use a support plate [3] if necessary.
   In the turn position, the entering cam must be positioned in the same way as a standard striker.
   Striker point of entry [4]




2. Fasten the security striker for tilt ventilation with three one-way screws [5].
   Fasten the support plate with two one-way screws.

**INFO**
One-way screws can be tightened but not undone.

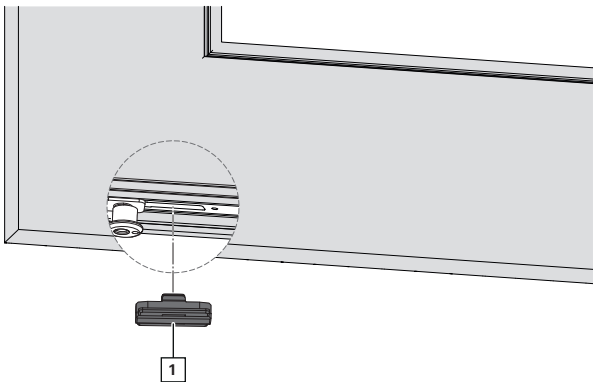
**INFO**
RC 2 protection cannot be achieved in the 135° handle position (night ventilation). To achieve RC 2 protection:

1. Tilt the window
2. Lock the handle
3. Remove the key.

## 8.9 Accessories

### 8.9.1 Travel restrictor

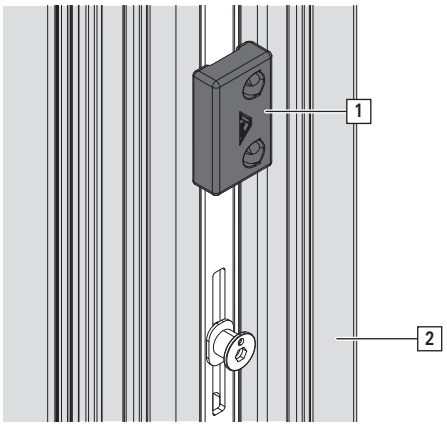
1. Clip the travel restrictor [1] into the locking cam groove.
   Refer to the hardware overviews for the positioning .




### 8.9.2 Anti-jemmy device

**INFO**
Rebate depth at least 24 mm.

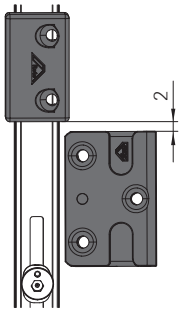
1. Position the anti-jemmy device [1] on the sash [2].



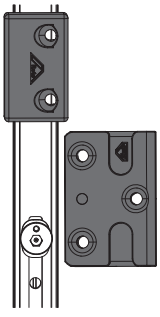

**Positioning**

The anti-jemmy device runs in approx. 2 mm behind the striker.

Opening position



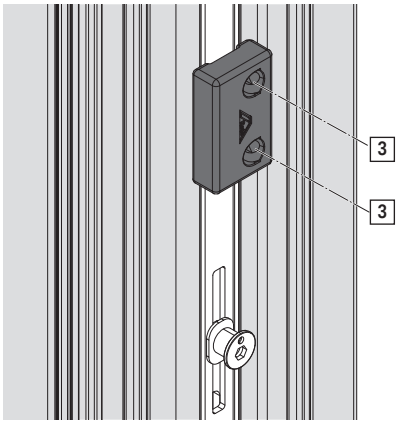

Locked position



Fit an anti-jemmy device on four sides:

- Hinge side – second-last locking point above the pivot rest
- Locking side – top locking point
- Horizontally at the top – on the corner drive, standard
- Horizontally at the bottom – first locking point after the tilt striker

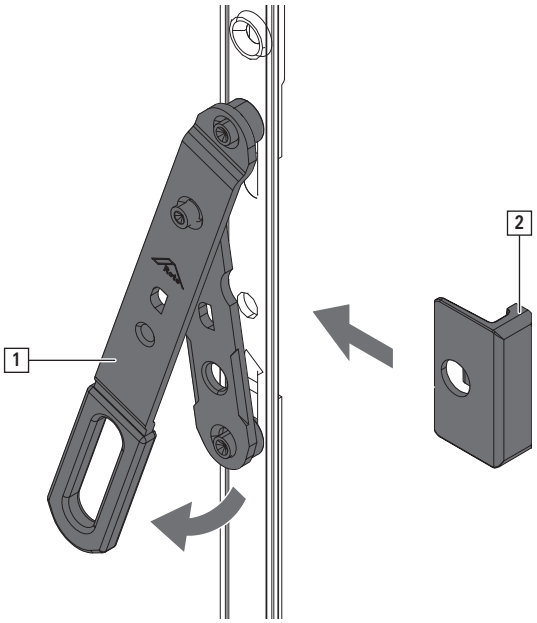
2. Fasten with two screws [3] at an angle in the direction of the overlap.



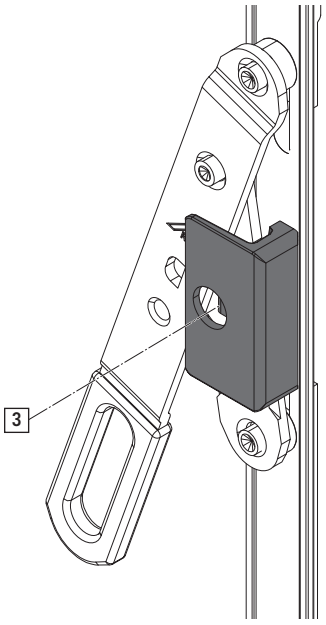
## 8.9.3 Retainer clasp

1. Open the red toggle lever [1].

2. Insert the retainer clasp [2].




3. Fasten the retainer clasp with a screw [3].




4. Close the red toggle lever.

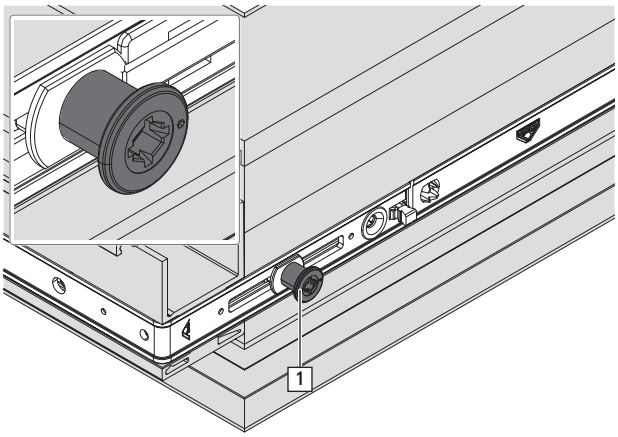
## 8.9.4 Safety device for lever-operated espagnolette, standard

⇨ Installation

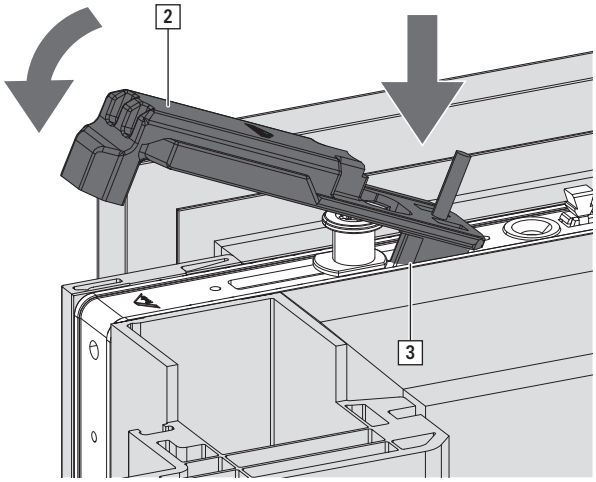
- Turn-Only sash: SEC striker 50 mm
- Tilt&Turn sash: tilt striker 86.5 mm
- Rebate clearance ≥ 10 mm

### Installation at the top and bottom of the floating-mullion sash

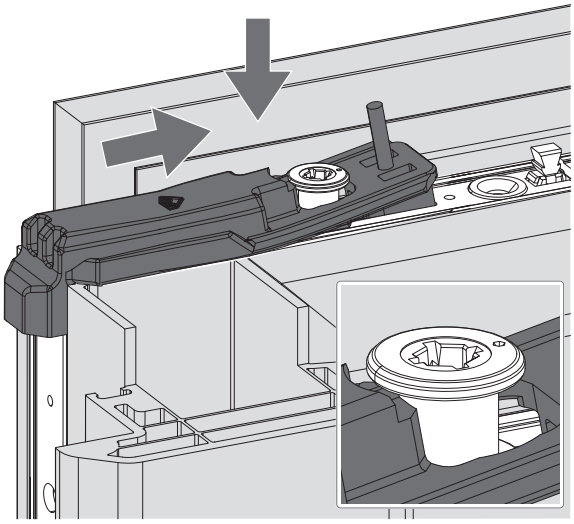
1. The P or V cam [1] must be aligned in the direction of the hinge side.



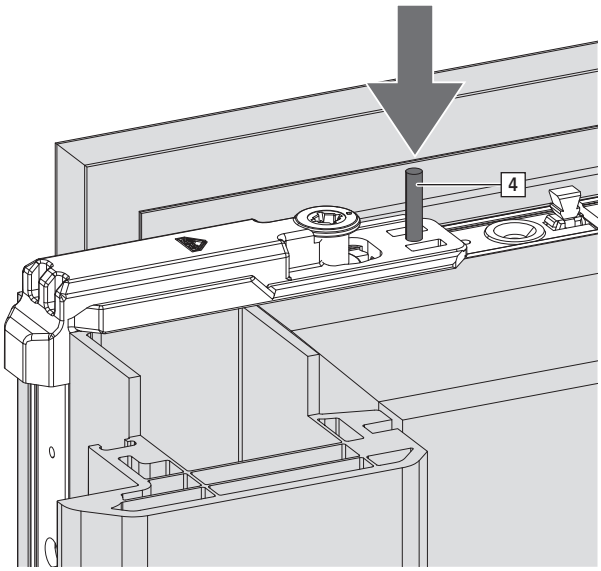

2. Press the safety device [2] into the cam groove of the corner drive [3] and move it above the P or V cam.



3. Press the safety device onto the floating mullion of the corner drive and slide it below the cam.



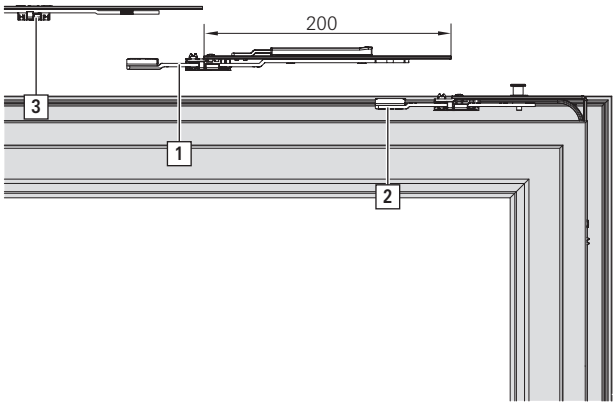
4. Press the safety device fully into the cam groove of the corner drive and insert the locking pin [4].



## 8.9.5 Additional stay arm

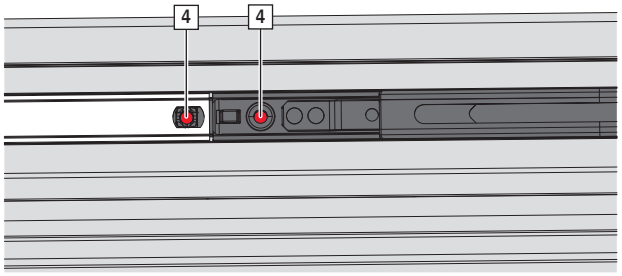
### 8.9.5.1 Sash component

1. Connect the additional stay arm sash component [1] to the corner drive [2]. Creating a force-fit connection → *from page 218*



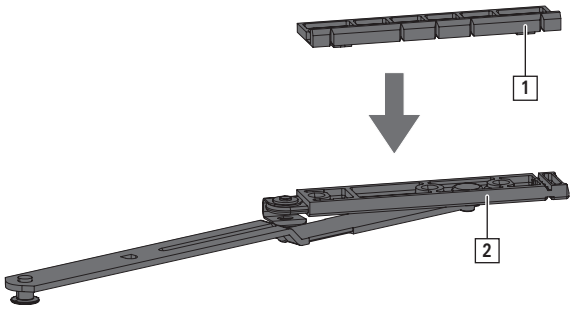

2. Fit the stay guide [3] and create a force-fit connection.

3. Fasten the stay guide and sash component with two screws [4].



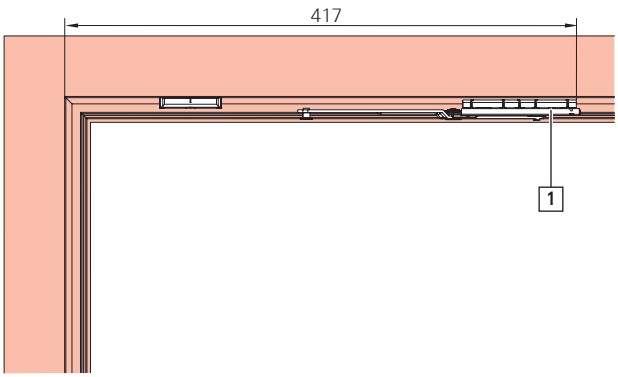
### 8.9.5.2 Frame component

1. Push the packer [1] into the frame component [2].
   Ensure that it is firmly seated.




> **INFO**
> With a smooth rebate, no packers are required.

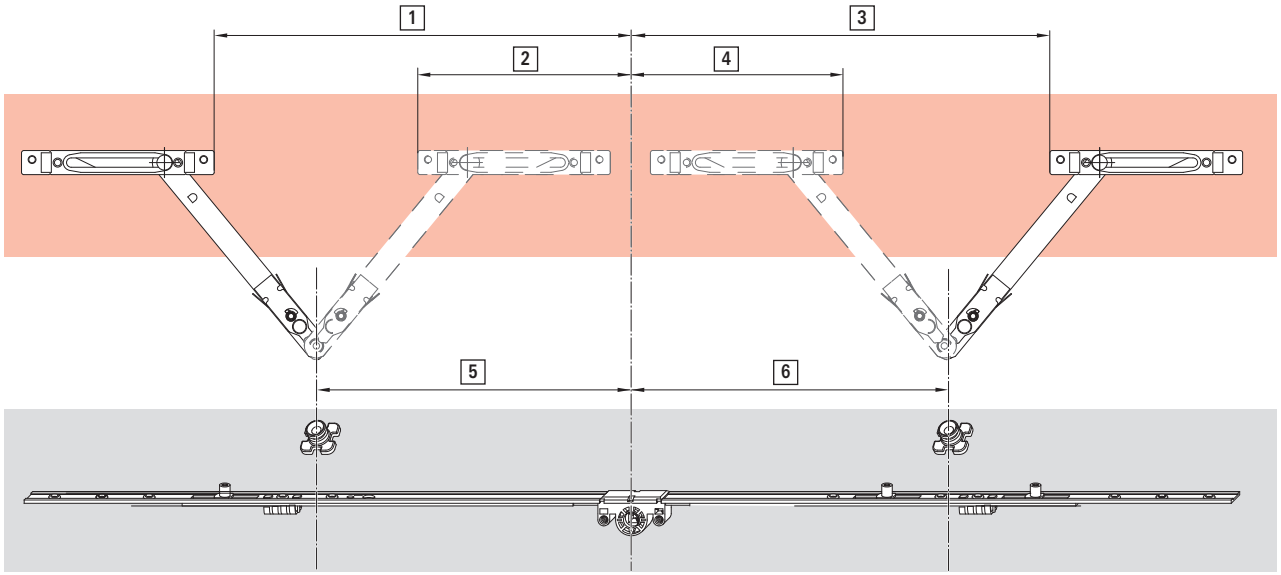
2. Insert the frame component with packer [1] into the frame profile.
   The distance between the frame rebate and frame component is 417 mm.




3. Fasten with three screws.

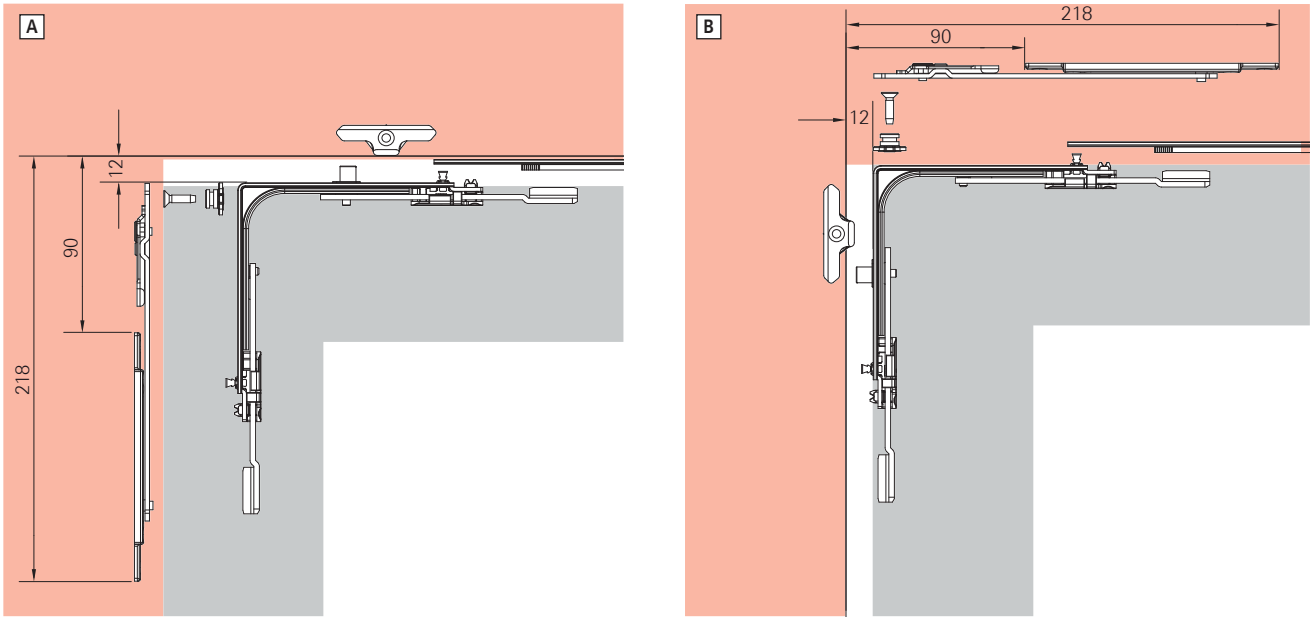
## 8.9.6 Tilt stay

### 8.9.6.1 Installation dimensions




| SRW | [1] | [2] | [3] | [4] | [5] | [6] | BS |
|---|---|---|---|---|---|---|---|
| 621 – 800 | – | – | – | 4 | – | 73 | 15 |
| 801 – 1200 | – | – | – | 4 | – | 73 | 15 |
| 1200 – 1600 | 15 | – | 195 | – | 212 | 392 | 8 / 15 |

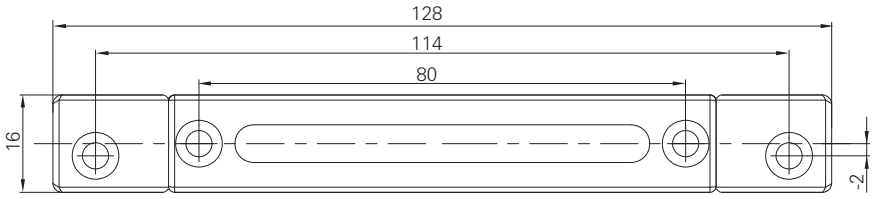
| SRW | [1] | [2] | [3] | [4] | [5] | [6] | BS |
|---|---|---|---|---|---|---|---|
| 1601 – 2000 | 433 | – | 109 | – | 364 | 306 | 8 / 15 |
| 2001 – 2400 | 433 | – | 509 | – | 364 | 706 | 8 / 15 |



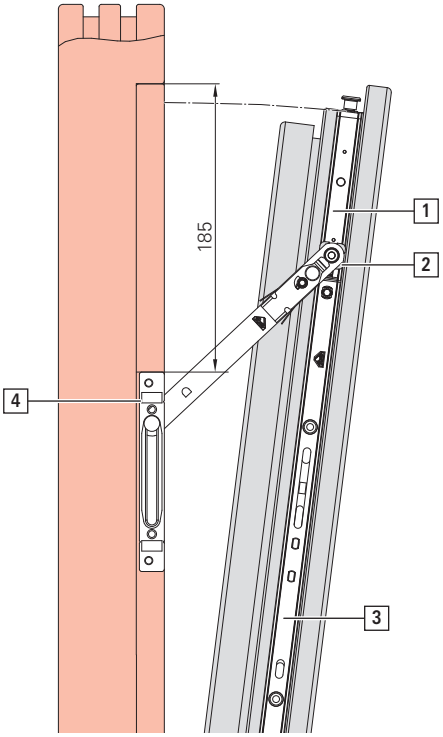

[A] Installation of tilt stay at the side

[B] Installation of tilt stay at the top

### Frame component dimensions



### Installation at the side with sash bearing cam at the coupling point

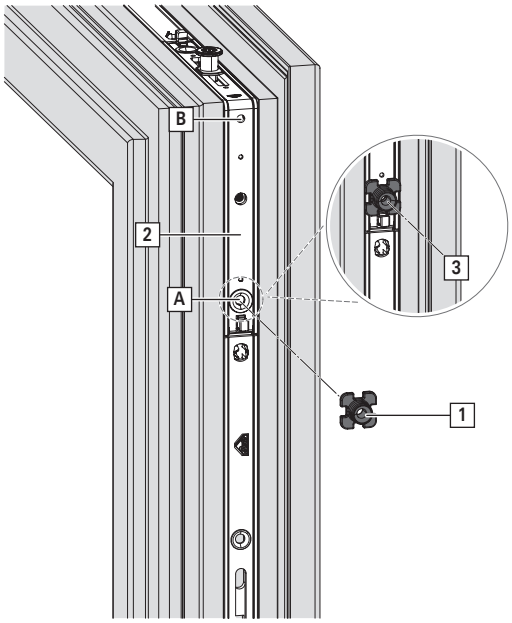



[1] Corner drive
[2] Sash bearing cam
[3] Centre lock
[4] Tilt stay frame component

## 8.9.6.2 Sash component

### Position at the side

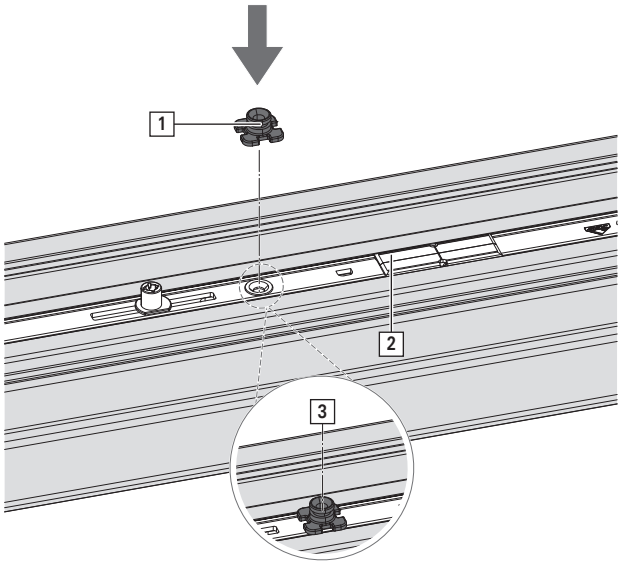
1. Place the sash component [1] on the corner drive [2] (position [A] or [B]).




2. Secure with screw [3].

### Position at the top

1. Place the sash component [1] on the espagnolette [2].

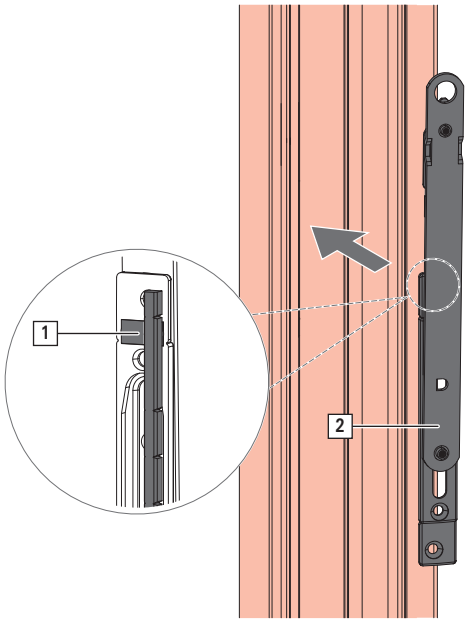



2. Secure with screw [3].

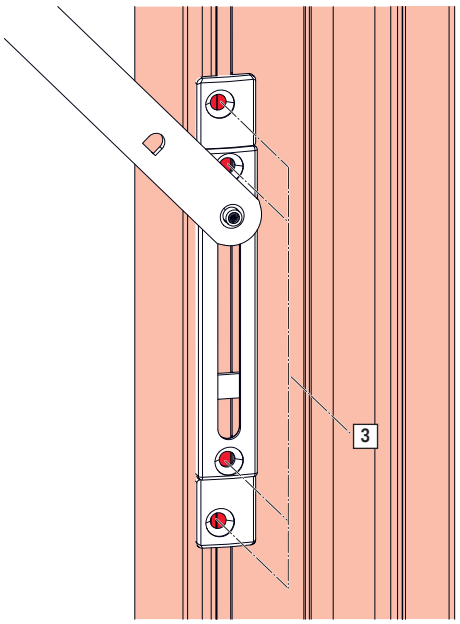
### 8.9.6.3 Frame component

1. Break the packer [1] apart in the centre.
2. Push the tilt stay [2] onto the packer.

> **INFO**
> With a smooth rebate, no packers are required.

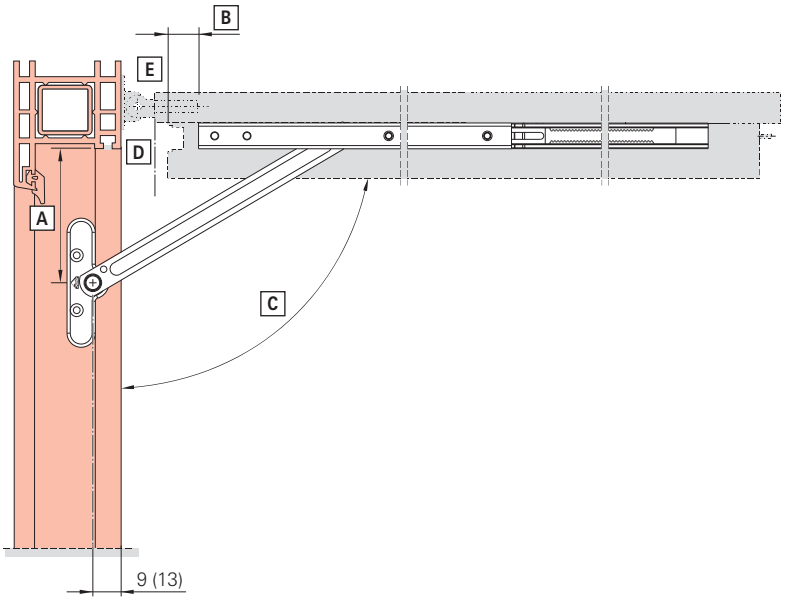



3. Position the tilt stay in the rebate.
4. Secure with four screws [3].



## 8.9.7 Arrestable brake stay

### 8.9.7.1 Installation dimensions

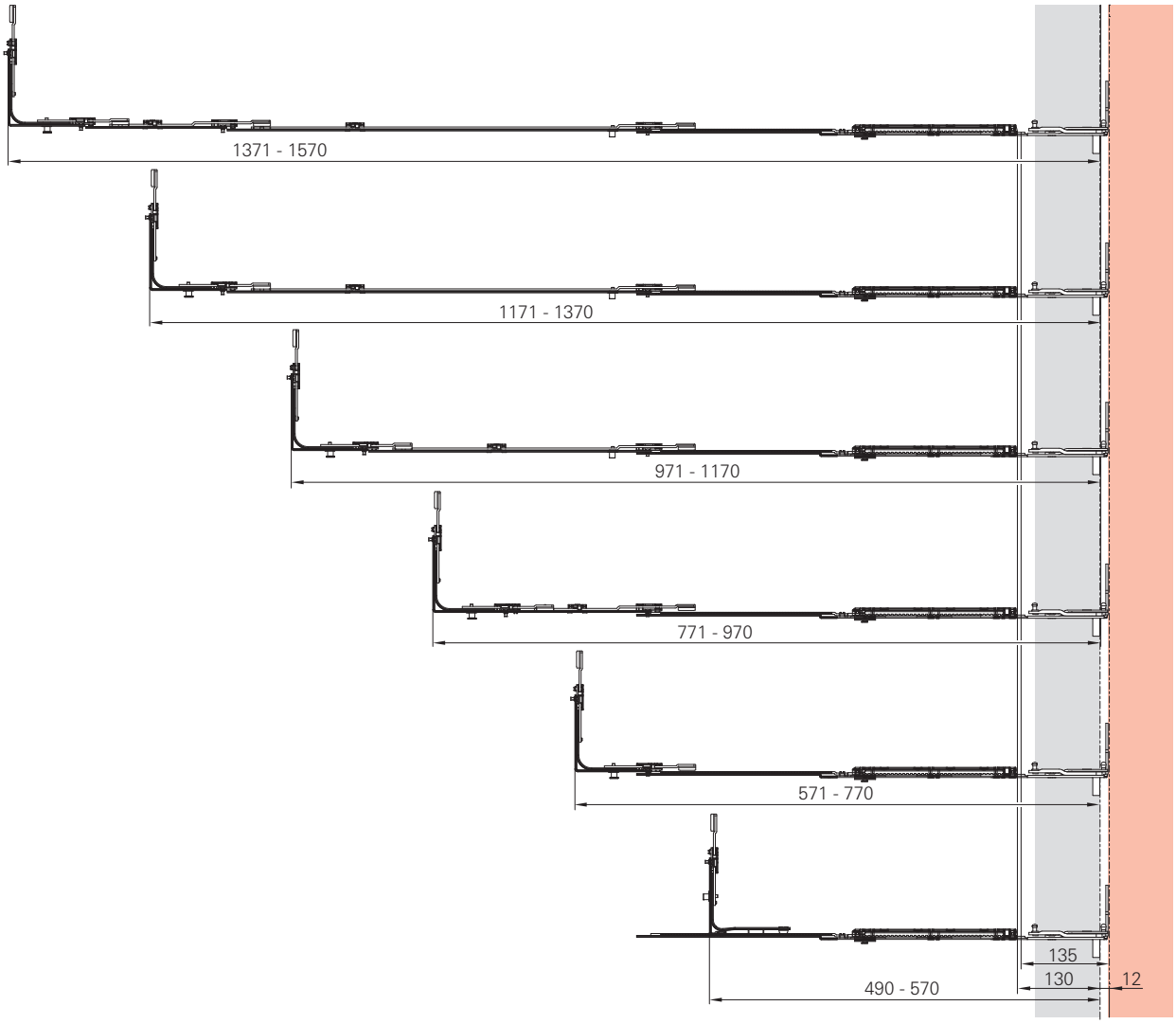



| Assignment | Meaning |
|---|---|
| [A] | Frame dimensions |
| [B] | Sash dimensions |
| [C] | Opening angle 90° |
| [D] | Overlap edge |
| [E] | Sash rebate edge |

**INFO**
Only the sash lifter and not the lifting mishandling device can be used in conjunction with the arrestable brake stay.

## 8.9.7.2 Arrestable brake stay

### Installation dimensions 490 – 1570 mm



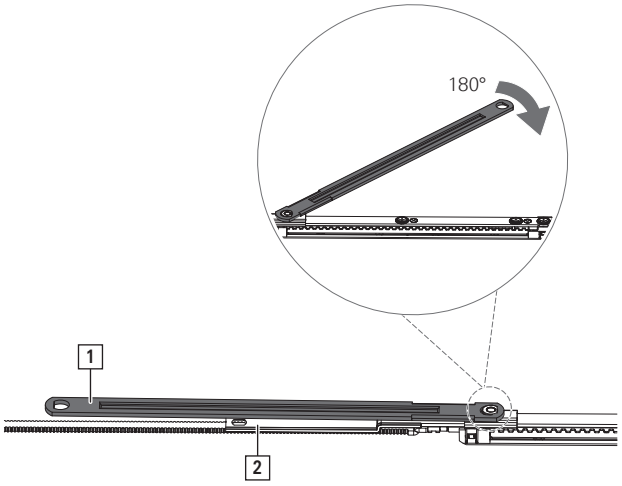

| Application range | Corner drive | Centre lock | Arrestable brake stay | Arm | Frame dimension | Sash dimension |
|---|---|---|---|---|---|---|
| 490 – 570 [55][56] | Special corner drive | – | 486820 | 492757 | 135 | 130 |
| 571 – 770 | Corner drive, standard | – | 486820 | 492757 | 135 | 130 |
| 771 – 970 | Corner drive, standard | CL 200 KU | 486820 | 492757 | 135 | 130 |
| 971 – 1170 | Corner drive, standard | CL 400 KU | 486820 | 492757 | 135 | 130 |
| 1171 – 1370 | Corner drive, standard | CL 600 KU | 486820 | 492757 | 135 | 130 |
| 1371 – 15760 | Corner drive, standard | CL 200 KU<br>CL 600 KU | 486820 | 492757 | 135 | 130 |

[55] Turn-Only sash only

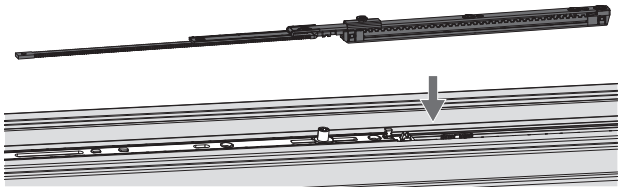
[56] Cropping the arrestable brake stay

### 8.9.7.3 Sash component

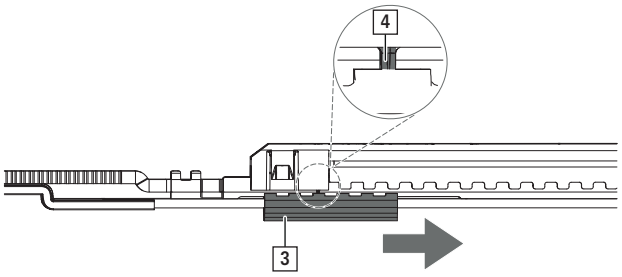
1. Place the scissor stay arm [1] on the arrestable brake stay [2].
   Turn the arm 180°. The arm is fixed in position.



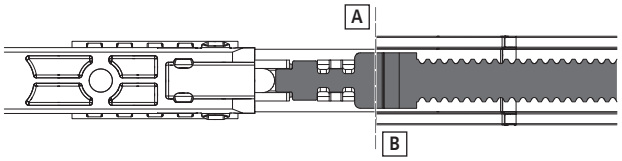

2. Position the arrestable brake stay on the sash and connect it to the centre lock or corner drive. For dimensions, see → *from page 297*.



3. Move the slider [3] in jerks to release the assembly fixture out of the final position. While doing so, strike the cam [4].

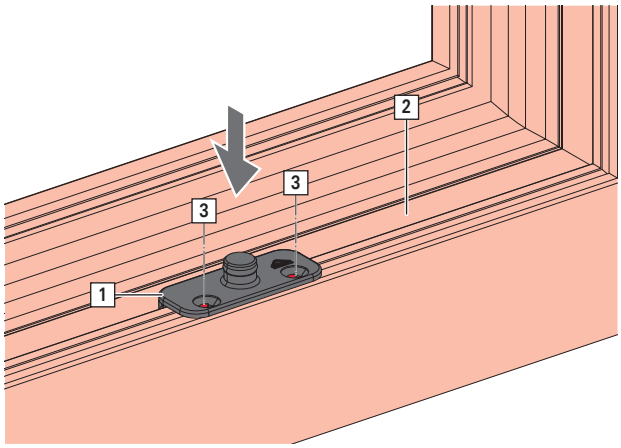



4. Once the centre fixing is undone, the centre position of the connecting rod can be adjusted by moving the offset of the connecting rod to the position of the punching on the floating mullion.
   [A] Punching on the floating mullion
   [B] Offset of the connecting rod



### 8.9.7.4 Frame component

1. Position the frame component [1] in the frame groove [2].

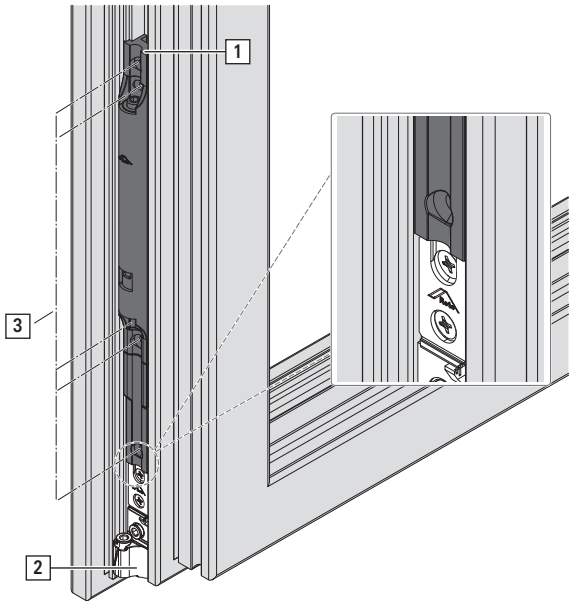



2. Fasten with two screws [3].

## 8.9.8 Load transfer

### 8.9.8.1 Sash component

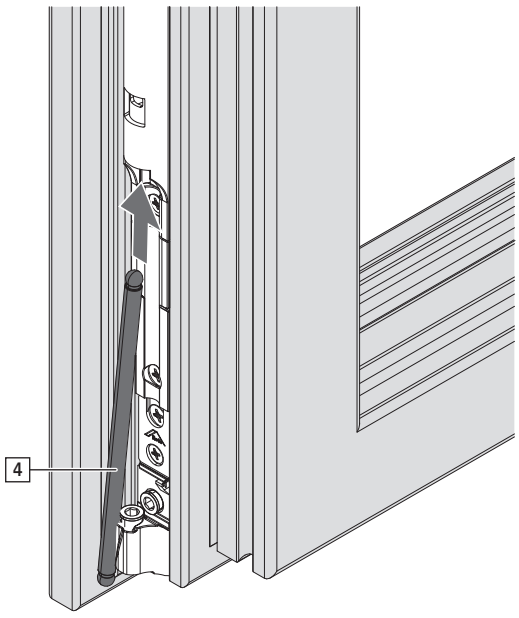
1. Insert the load transfer sash component [1] up to the stop to the corner hinge [2].




2. Fasten with five screws [3].

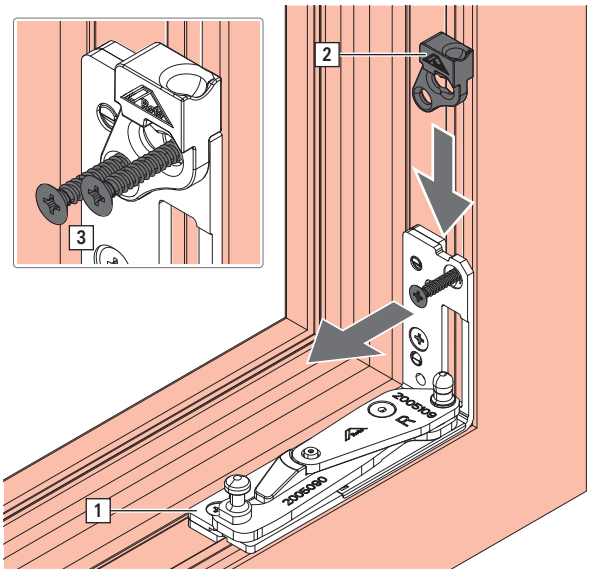
> **INFO**
> Tighten the screws to a maximum torque of 2 Nm.

3. Push the support rod [4] into the load transfer so that it clicks into place.



### 8.9.8.2 Frame component

1. Undo the top screw fixing from the pivot rest [1].




2. Place the load transfer frame component [2] on the pivot rest and fasten with two screws [3].

3. Join the load transfer frame component and sash component together → *from page 317*.

## 8.9.9 Turn restrictors

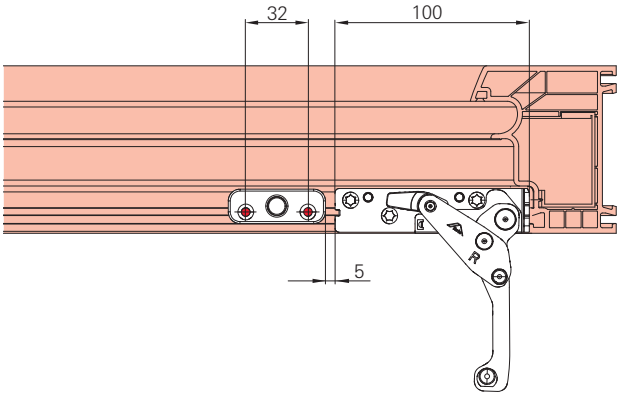
### 8.9.9.1 Drilling and routing dimensions

**INFO**

The turn restrictor is an additional component designed to provide extra convenience; it is not a security component.

**Frame component**

Positioning the 90° turn restrictor




**Sash component**

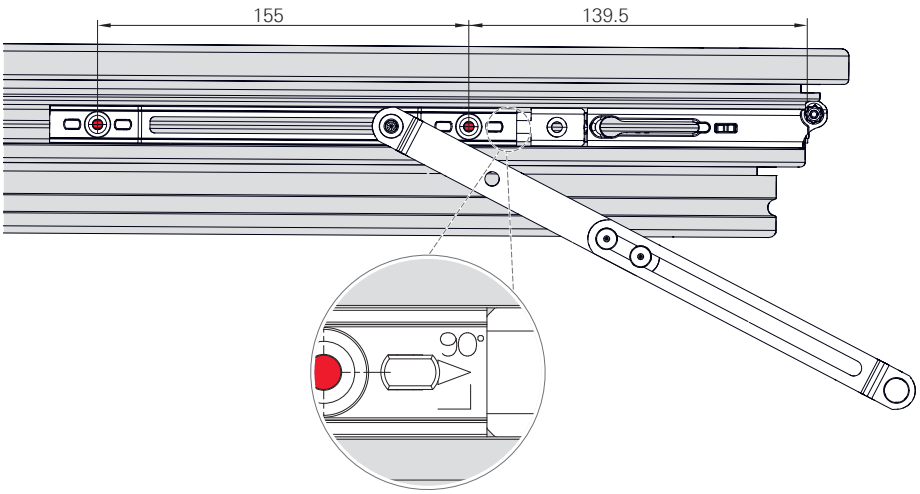
It is possible to install sash components with an angle of 90° or 95°. If load transfer is fitted, the sash component with an angle of 90° must be installed. For an opening width of 95°, fit the sash component the other way around.

**ATTENTION**

**Improper installation may cause property damage.**

Incorrect installation of the sash component when load transfer is fitted can cause a malfunction.

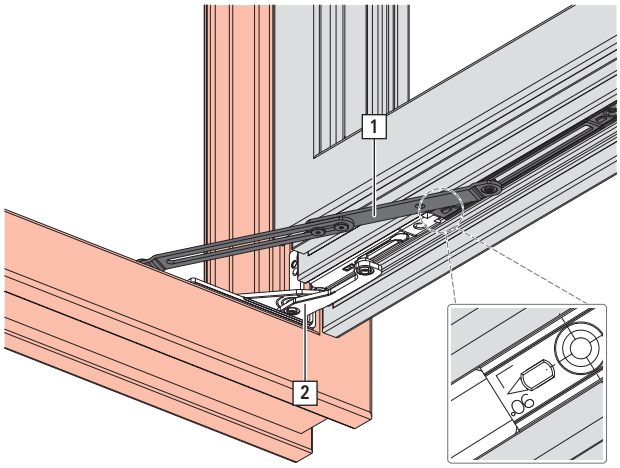
- The 90° imprint must point towards the corner hinge.



### 8.9.9.2 Sash component

1. Let the sash component [1] come into contact with the corner hinge [2].

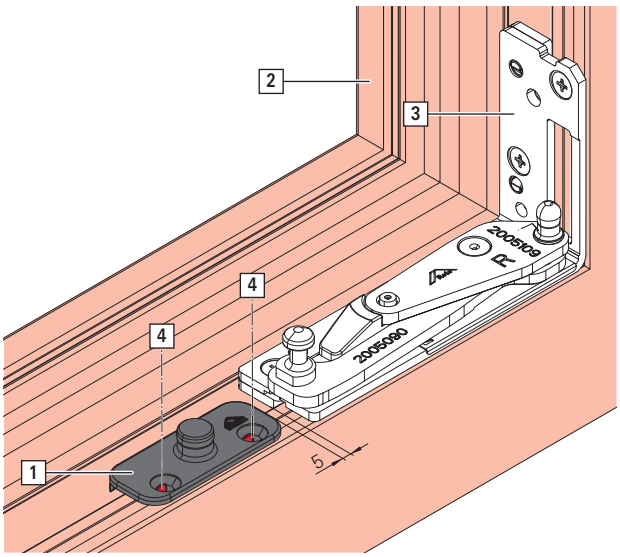
**ATTENTION**
**Improper installation may cause property damage.**
Incorrect installation of the sash component when load transfer is fitted can cause a malfunction.
- The 90° imprint must point towards the corner hinge.




2. Fasten with two screws.

### 8.9.9.3 Frame component

1. Place the frame component [1] on the frame [2].
   The distance between the pivot rest [3] and frame component is 5 mm.



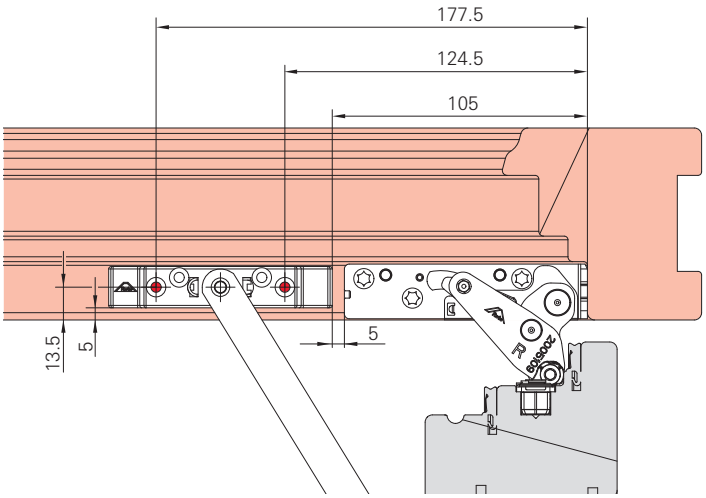

2. Fasten with two screws [4].

## 8.9.10 Turn restrictor 355

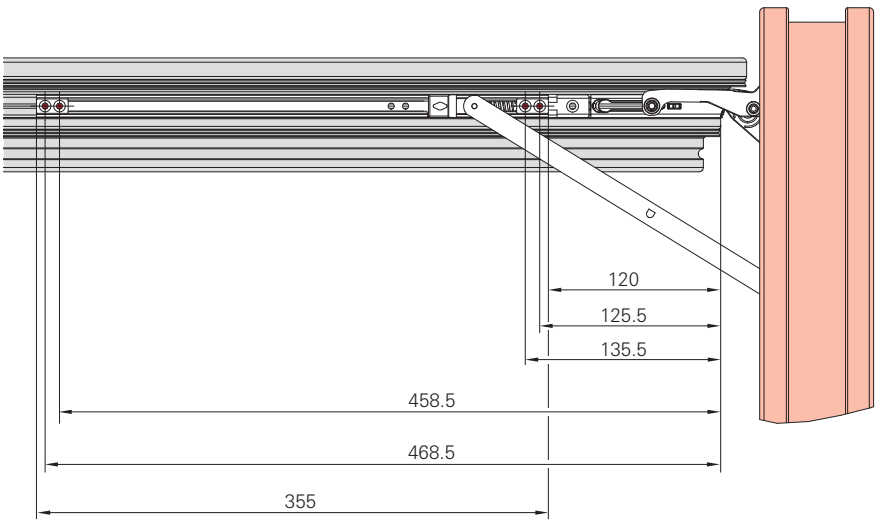
### 8.9.10.1 Drilling and routing dimensions

**INFO**
The turn restrictor is an additional component designed to provide extra convenience; it is not a security component.

**Frame component**




**Sash component**



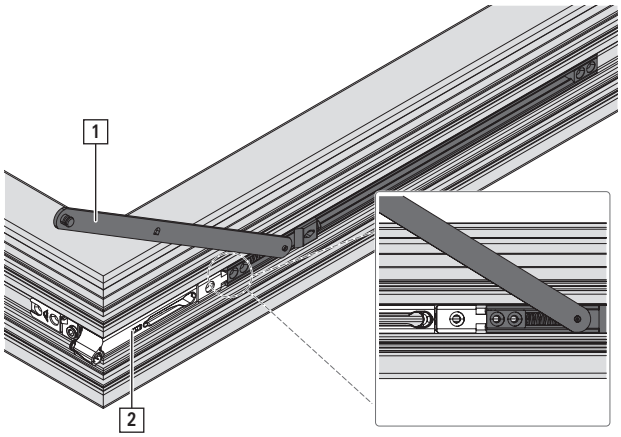
### 8.9.10.2 Sash component

**INFO**

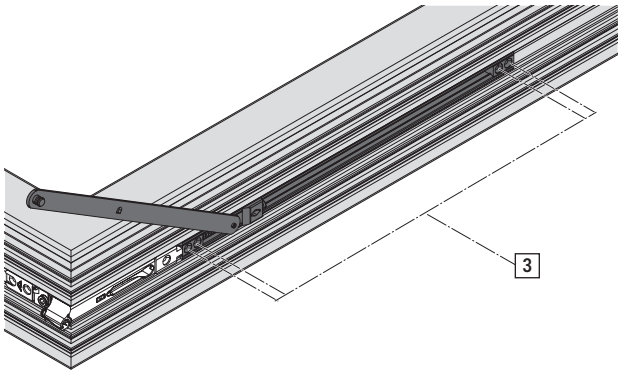
Can be used in conjunction with corner drive, standard, from SRW > 600 mm.

The corner drive must be cropped.

1. Let the sash component [1] come into contact with the corner hinge [2].



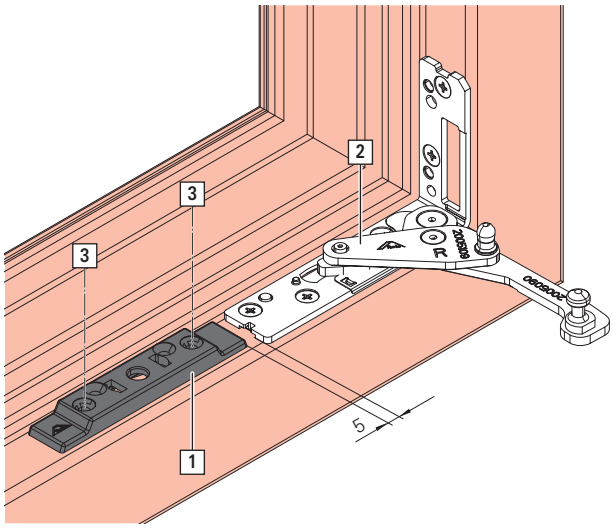

2. Fasten with four screws [3].




### 8.9.10.3 Frame component

1. Place the frame component [1] on the frame.

   The distance between the pivot rest [2] and frame component is 5 mm.

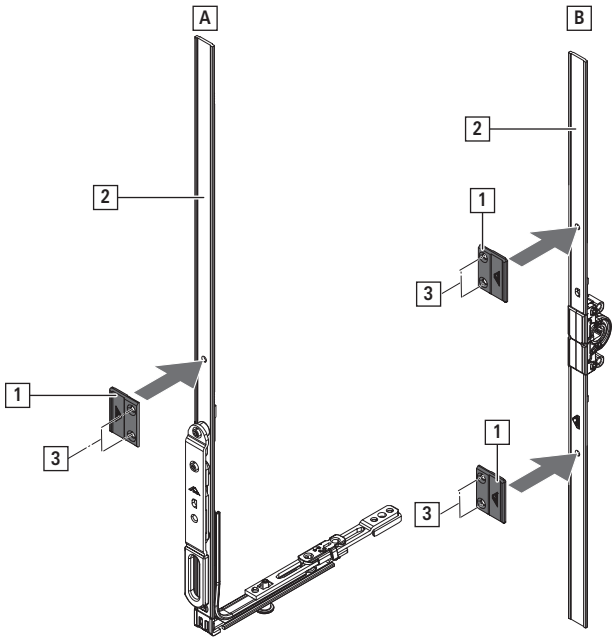



2. Fasten with two screws [3].

### 8.9.11 Fastening plate

In conjunction with lever-operated espagnolette, standard 2003815 [A] or with T&T espagnolette, centred / variable handle height 259717 [B].

1. Fit the fastening plate [1] to the espagnolette face-plate [2].




2. Fasten with two screws [3].

## 8.10 Joining the sash and frame

**CAUTION**

**Heavy loads pose the risk of injury and property damage.**

Lifting and carrying heavy loads in an uncontrolled manner may lead to physical injury and property damage.

- Transport and installation must be carried out by at least two people.
- Use transportation means. → *13 "Transport" from page 337*

## 8.10.1 Connecting the corner hinge to the pivot rest

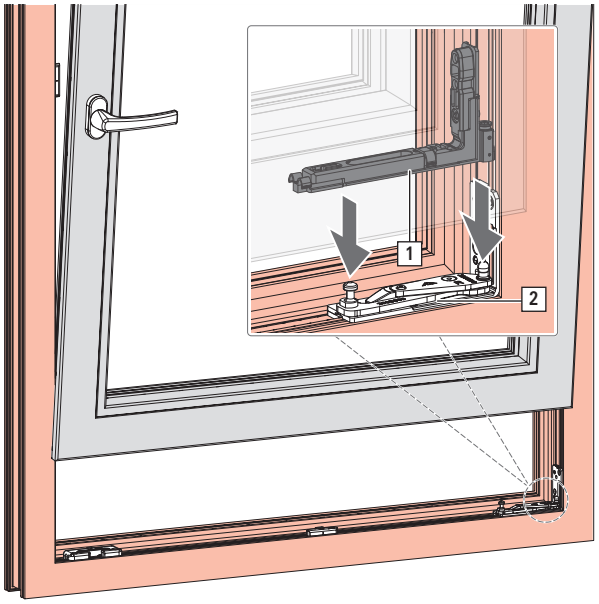
⇨ Pivot rest in initial position

1. Push down on the lifting mishandling device (if fitted).

2. Handle in turn position.

| Tilt&Turn hardware | TiltFirst hardware |
|---|---|
|  |  |

3. With the sash slightly tilted, guide it along the frame in a downwards direction until you feel the pivot rest [1] engage in the corner hinge [2].




4. Secure the sash to prevent it from falling.

**WARNING**
**An unsecured sash may pose a risk of death!**
The sash may fall during installation if it is not securely connected to the frame.
- ▶ Secure the sash to prevent it from falling, e.g. by using two people.

5. Connect the sash stay → *from page 309*.

## 8.10.2 Mounting the stay arm

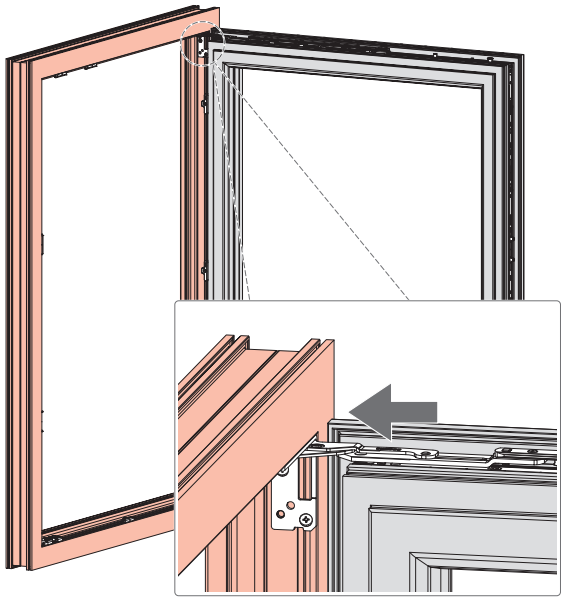
### 8.10.2.1 Mounting the stay arm – mounting bolt

⇨ The corner hinge and pivot rest are joined together → *from page 308*

1. Secure the sash to prevent it from falling.

**WARNING**
**An unsecured sash may pose a risk of death!**
The sash may fall during installation if it is not securely connected to the frame.
- Secure the sash to prevent it from falling, e.g. by using two people.

2. Turn the sash and stay arm to 90°. Push the sash slightly towards the frame at the top.



3. Push down on the lifting mishandling device (if fitted).

4. Move the handle to the tilt position.

Tilt&Turn hardware



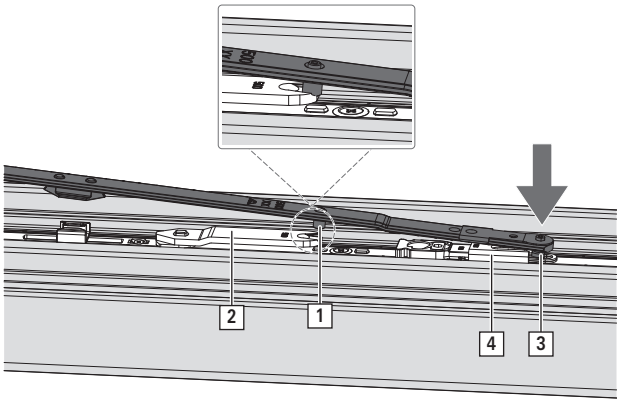
TiltFirst hardware



**INFO**
Under normal circumstances, this constitutes incorrect operation of the hardware, but it is a necessary step in this case.

5. Place the stay arm mounting bolt [1] on the stay guide supporting arm [2].

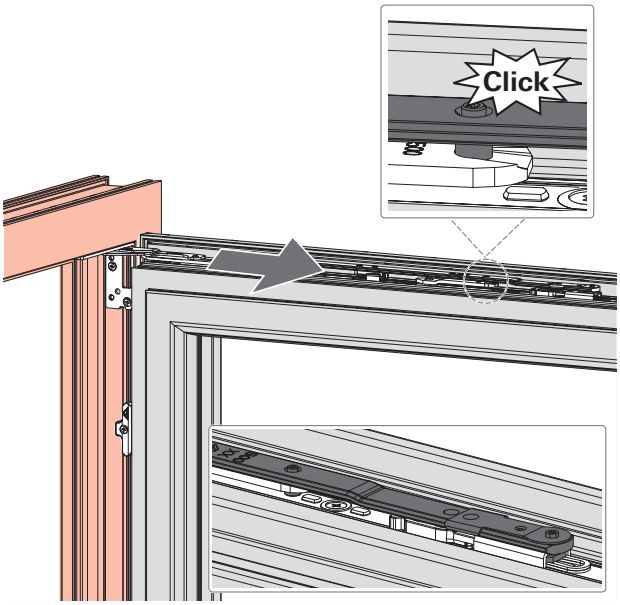
> **INFO**
> The mounting bolt must be at the depth of the supporting arm.




6. Push the bayonet bolt [3] in the front downwards so that it can extend underneath the mounting plate [4].

7. Pull the sash away from the frame until you hear the stay arm click into place.

> **WARNING**
> **Potential risk of death caused by the sash falling!**
> The sash may fall if the stay arm is not correctly positioned in the stay guide.
> - Check correct mounting.
>
>  The mounting bolt and the bayonet bolt must be locked in the stay guide.
> - The stay arm must audibly click into place.




8. Push down on the lifting mishandling device (if fitted).

9. Move the handle to the turn position.

Tilt&Turn hardware



TiltFirst hardware



## 8.10.2.2 Mounting the stay arm – mounting lock

⇨ The corner hinge and pivot rest are joined together → *from page 308*

1. Secure the sash to prevent it from falling.

**WARNING**
**An unsecured sash may pose a risk of death!**
The sash may fall during installation if it is not securely connected to the frame.
- Secure the sash to prevent it from falling, e.g. by using two people.

2. Turn the sash and stay arm to 90°.

3. Push down on the lifting mishandling device (if fitted).

4. Move the handle to the tilt position.
(Under normal circumstances, this constitutes incorrect operation of the hardware, but it is a necessary step in this case.)

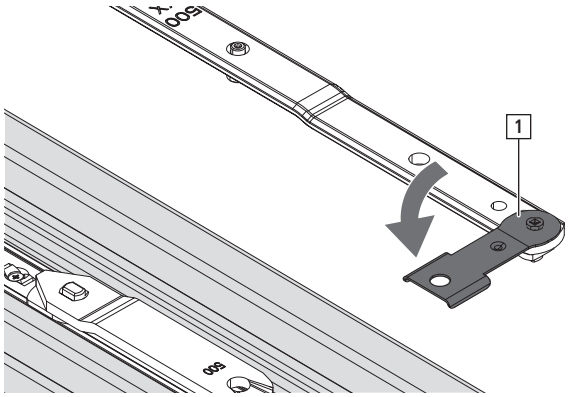
Tilt&Turn hardware



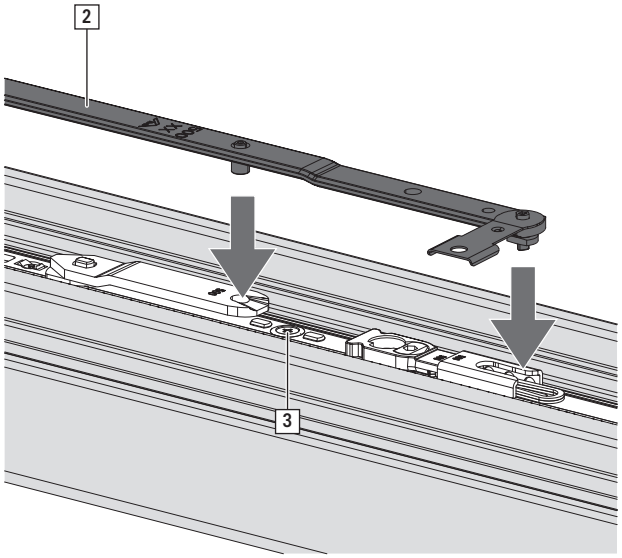
TiltFirst hardware



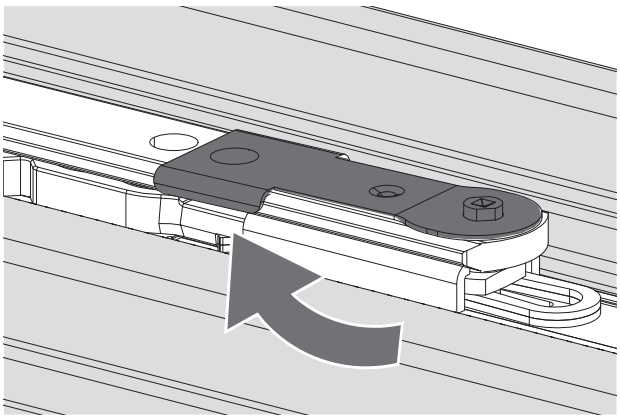
5. Turn the bayonet bolt 90° using the plate [1], lifting the plate slightly while doing so.



6. Position the stay arm [2] over the stay guide [3] and push it downwards so that the mounting bolt extends into the supporting arm and the bayonet bolt extends into the mounting plate.




7. Turn the bayonet bolt 90° using the plate so that the plate engages on the sash stay rod again.

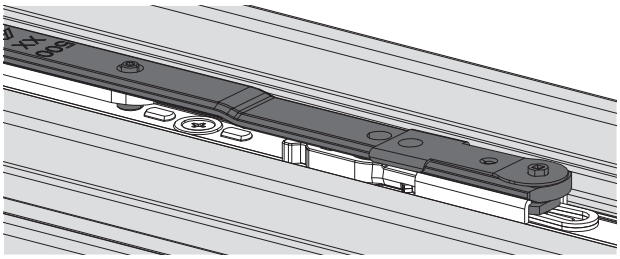


**INFO**
The plate must be easy to turn. If a lot of force is required or if it is jammed, check the position of the bolt in the mounting plate.

**WARNING**
**Potential risk of death caused by the sash falling!**
The sash may fall if the stay arm is not correctly positioned in the stay guide.
- ▶ Check correct mounting.

  The mounting bolt and the bayonet bolt must be locked in the stay guide.
- ▶ The stay arm must audibly click into place.

8. Check the mounting of the stay arm.



9. Push down on the lifting mishandling device (if fitted).

10. Move the handle to the turn position.

Tilt&Turn hardware



TiltFirst hardware



### 8.10.2.3 Mounting the rebate stay arm – mounting lock

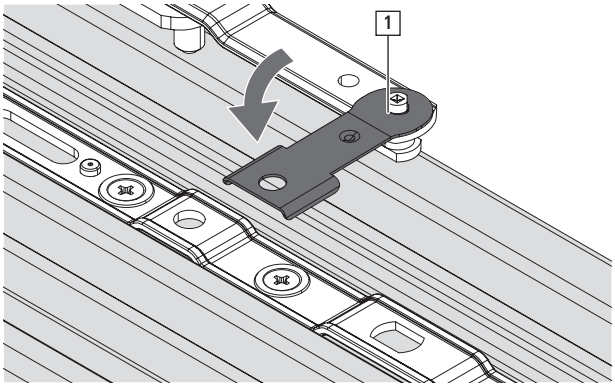
⇨ The corner hinge and pivot rest are joined together → *from page 308*

1. Secure the sash to prevent it from falling.

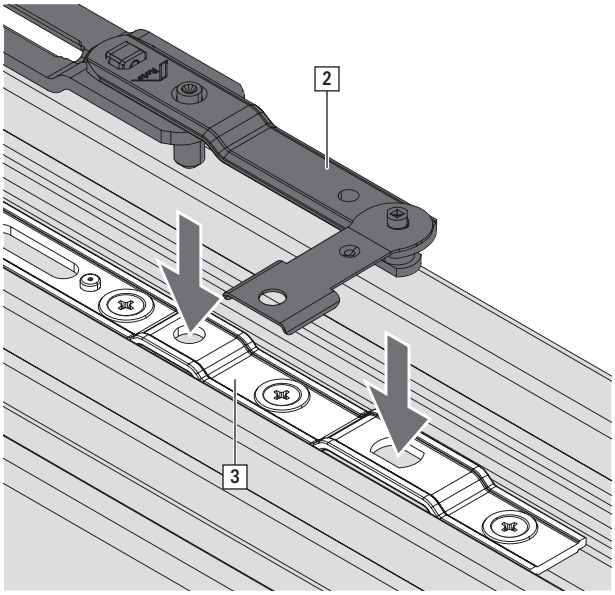
**WARNING**
**An unsecured sash may pose a risk of death!**
The sash may fall during installation if it is not securely connected to the frame.
- Secure the sash to prevent it from falling, e.g. by using two people.

2. Turn the sash and stay arm to 90°.

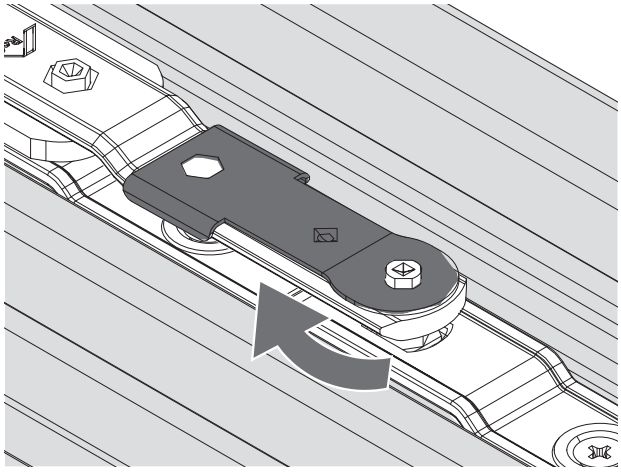
3. Turn the bayonet bolt 90° using the plate [1], lifting the plate slightly while doing so.




4. Position the rebate stay arm [2] over the stay guide [3] and push it downwards so that the mounting bolt extends into the supporting arm and the bayonet bolt extends into the holes provided.



5. Turn the bayonet bolt 90° using the plate so that the plate engages on the sash stay rod again.

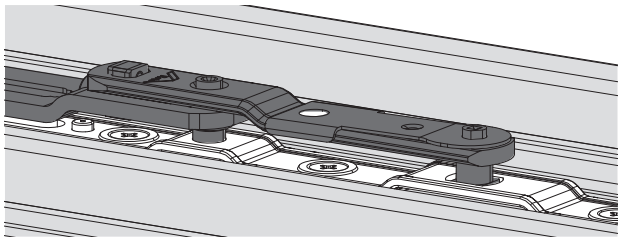


**INFO**
The plate must be easy to turn. If a lot of force is required or if it is jammed, check the position of the bolt in the mounting plate.

**WARNING**
**Potential risk of death caused by the sash falling!**
The sash may fall if the stay arm is not correctly positioned in the stay guide.
- ▶ Check correct mounting.

  The mounting bolt and the bayonet bolt must be locked in the stay guide.
- ▶ The stay arm must audibly click into place.

6. Check the mounting of the rebate stay arm.



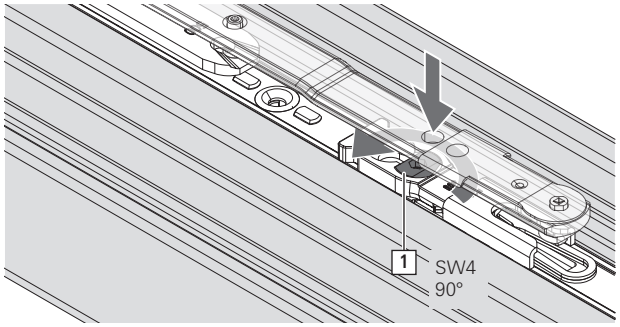
### 8.10.2.4 Setting the tilt depth

On delivery, the tilt depth is preset to 140 mm.

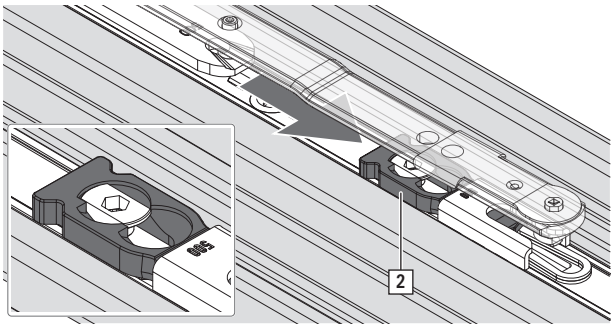
**INFO**
With SRH < 600 mm, set the tilt depth to 80 mm.

1. Turn the screw [1] in the stay guide 90° anticlockwise.
   Tool: size 4 hex key

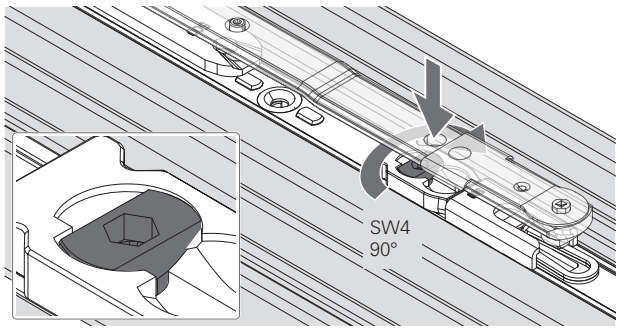
   **INFO**
   The screw must be easy to turn.




2. Push the tilt restrictor [2] forwards as far as it will go.




3. Turn the screw back clockwise 90°. The tilt restrictor is locked.

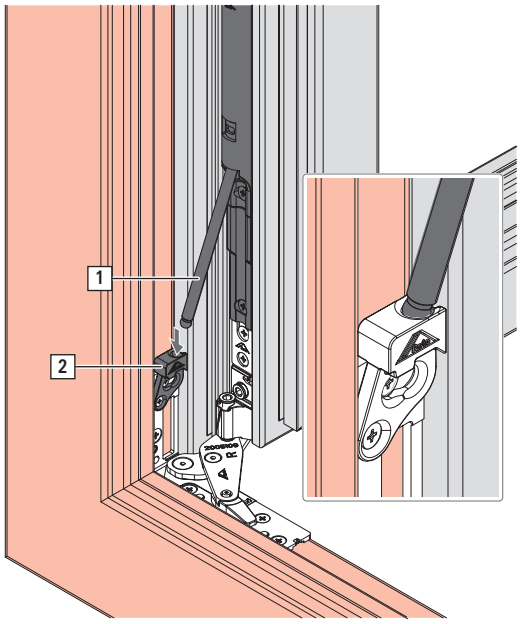


## 8.10.3 Load transfer

⇨ Sash mounted.

1. Open the sash 90°.

2. Connect the support rod [1] to the sash component and insert into the recess in the frame component [2].



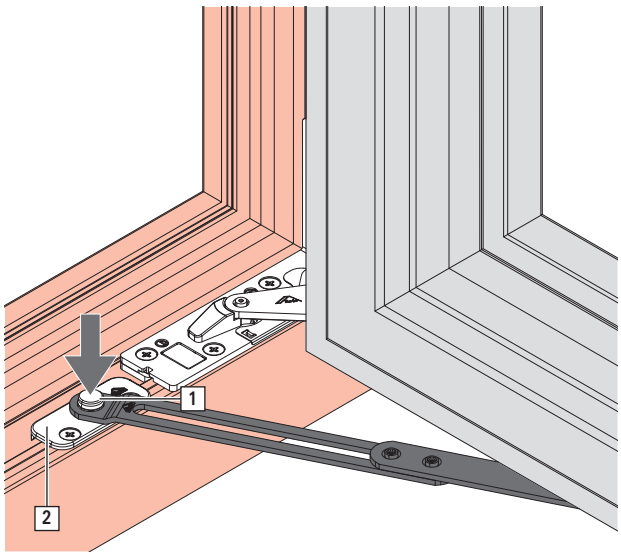

3. Set the load transfer → *from page 324*.

## 8.10.4 Turn restrictor 195

⇨ Sash mounted.

1. Open the sash.

2. Push the hole at the end of the sash component over the rubber ring [1] of the bolt on the frame component [2].

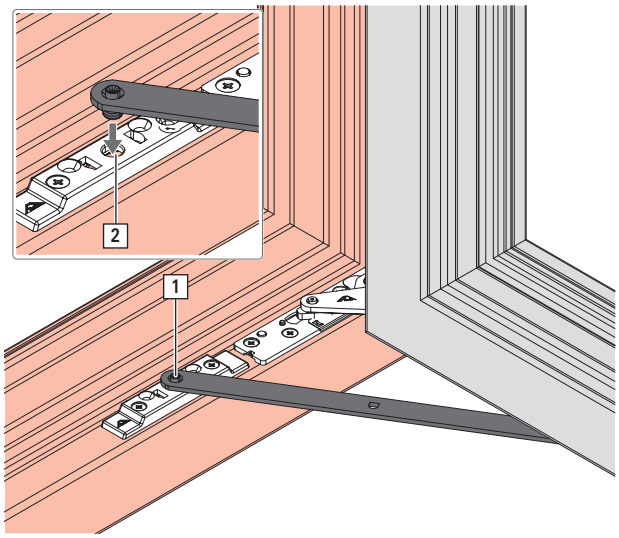


## 8.10.5 Turn restrictor 355

⇨ Sash mounted.

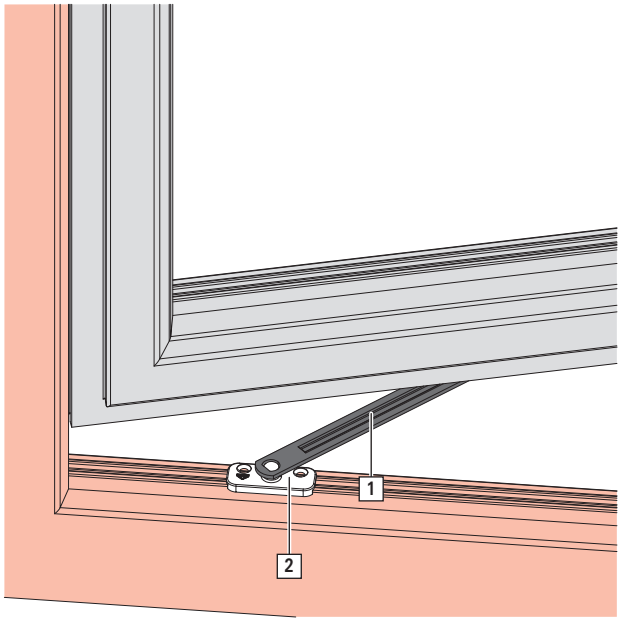
1. Open the sash.

2. Insert the bolt [1] into the mount of the frame component [2].




## 8.10.6 Arrestable brake stay

1. Mount the scissor stay arm [1] in the frame component [2].



## 8.11 Performance test

A quick performance test must be performed on all elements to ensure that their components fulfil their intended function.

**Time**

- After production (once the sash and frame have been fully assembled and glazed).
- On site / on the construction site (after the Tilt&Turn element has been fully installed in the masonry).

**To be carried out by**

**Tilt&Turn hardware**

1. Move the sash to the turn position.
2. Then close the sash.
3. Move the sash to the tilt position end stop.
4. Then close the sash.

**Turn-Only hardware**

1. Move the sash to the turn position.
2. Then close the sash.

**Tilt-Only hardware**

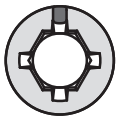
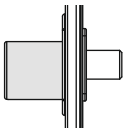
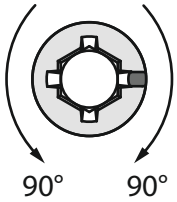
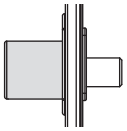
1. Move the sash to the tilt position end stop.
2. Then close the sash.

# 9 Adjustment

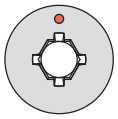
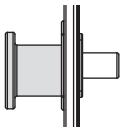
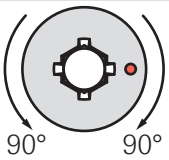
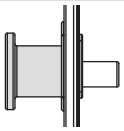
**INFO**
Roto hardware components may only be adjusted by authorised professionals when the element is installed.

## 9.1 Locking cam

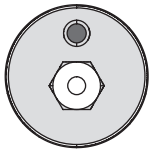
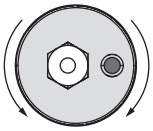
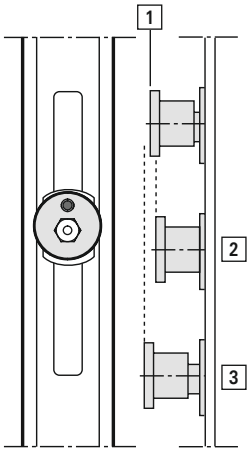
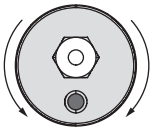
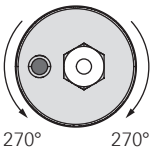
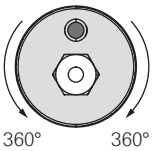
### E cam

| E cam | Adjustment distance | Gasket compression adjustment [mm] | Side view |
|---|---|---|---|
|  | | |  |
| |  | ±0.8 mm |  |

### P cam

| P cam | Adjustment distance | Gasket compression adjustment [mm] | Side view |
|---|---|---|---|
|  | | |  |
| |  | ±0.8 mm |  |

### V cam

| V cam | Adjustment distance | Gasket compression adjustment [mm] | Height adjustment [mm] | Side view |
|---|---|---|---|---|
|  | | | +1.5 mm<br>-0.8 mm | |
| |  <br>90° 90° | ±0.8 mm | ±0.125 mm |  <br>[1] 0 = initial position<br>[2] -0.8 mm max. adjustment<br>[3] +1.5 mm max. adjustment |
| |  <br>180° 180° | | ±0.25 mm | |
| |  <br>270° 270° | ±0.8 mm | ±0.375 mm | |
| |  <br>360° 360° | | ±0.5 mm | |

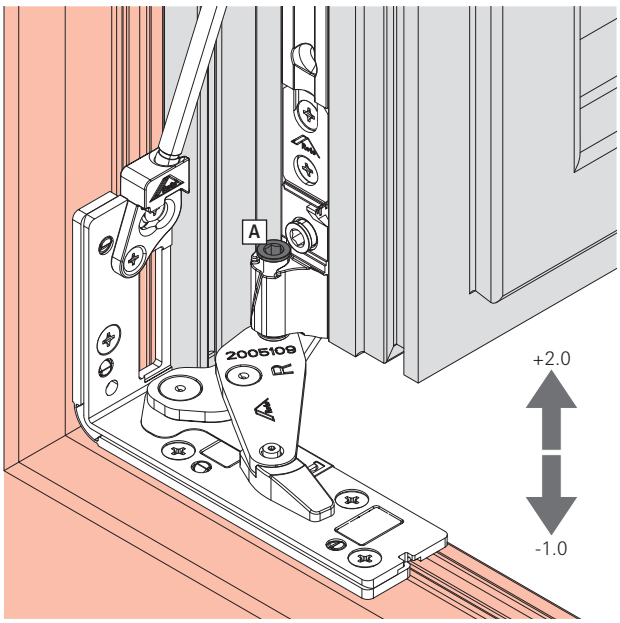
## 9.2 Pivot rest and corner hinge

### Height adjustment

1. Opening the sash

2. Height adjustment +2.0 / -1.0 mm via screw [A] in the corner hinge.
   Tool: 4 mm hex key.

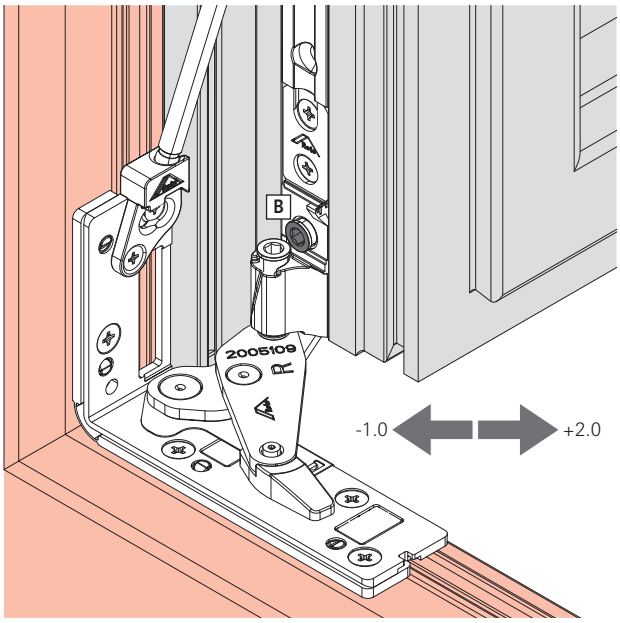
> **INFO**
> Readjust the load transfer after adjusting the height.



### Lateral adjustment

1. Open the sash.

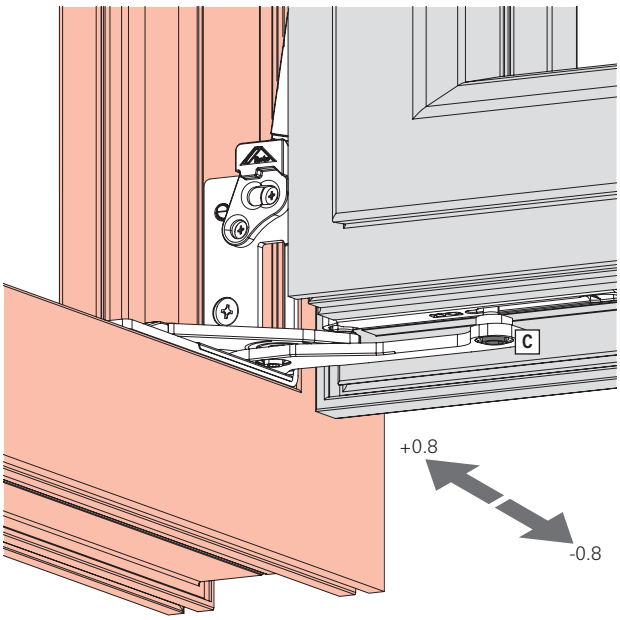
2. Lateral adjustment +2.0 / -1.0 mm via screw [B] in the corner hinge.
   Tool: 4 mm hex key.




### Gasket compression adjustment

1. Open the sash.

2. Gasket compression adjustment ±0.8 mm via eccentric [C] in the pivot rest.
   Tool: 4 mm hex key.

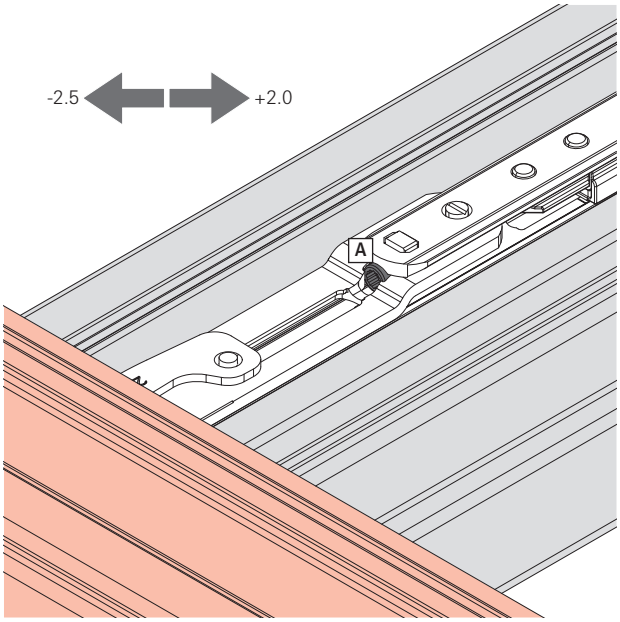


## 9.3 Sash stay

### Lateral adjustment

1. Open the sash.

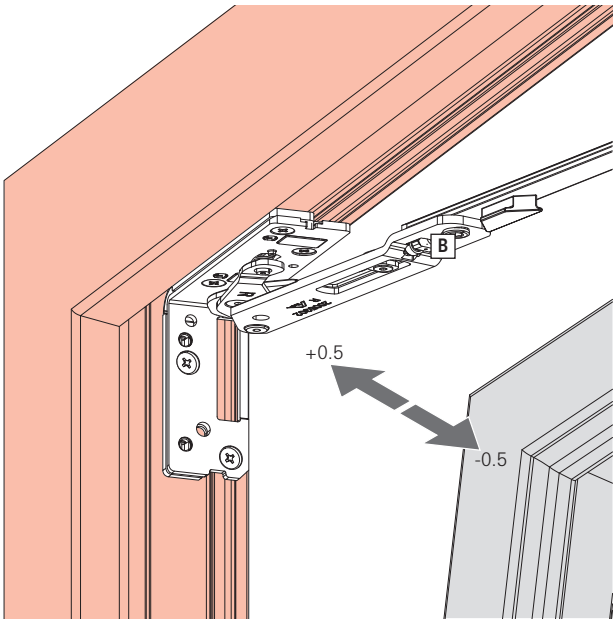
2. Lateral adjustment -2.5 / +2.0 mm via screw in the sash stay [A].
   Tool: 4 mm hex key.




### Gasket compression adjustment

1. Move the sash to the tilt position.

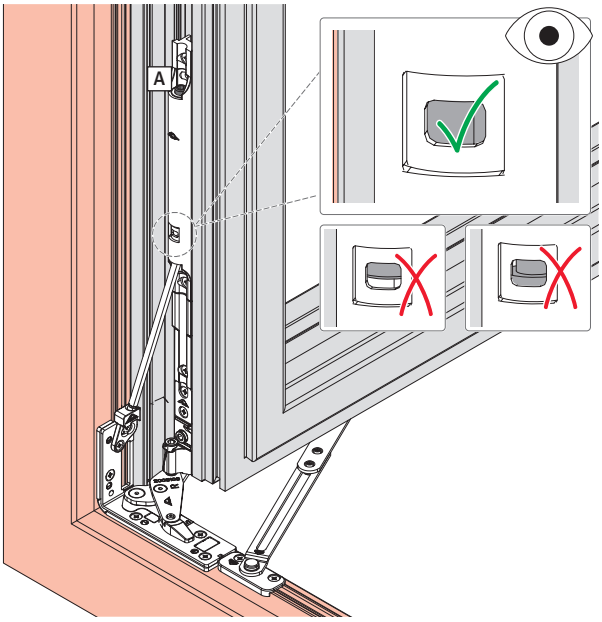
2. Gasket compression adjustment ±0.5 mm via eccentric [B] in the sash stay.
   Tool: 4 mm hex key.



## 9.4 Load transfer

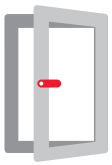
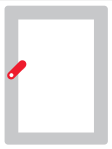
1. Open the sash 90°.

2. Turn the adjusting screw [A] in until the entire silver screw head can be seen in the inspection window.
   Tool: 4 mm hex key



# 10 Operation

## 10.1 Handle position with Tilt&Turn hardware

| Handle position | Sash position | Meaning |
|---|---|---|
|  |  | Sash in closed position. |
|  |  | Sash in turned, open position. |
|  |  | Sash in night ventilation position. |
|  |  | Sash in tilted, open position. |

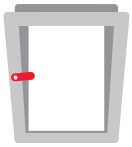
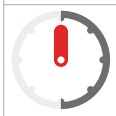
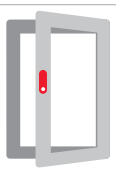
**Security striker for tilt ventilation (TiltSafe)**

**INFO**

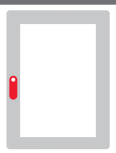
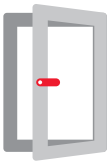
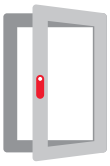
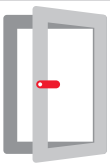
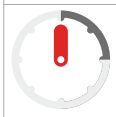
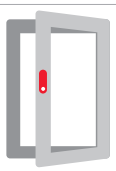
RC 2 protection cannot be achieved in the 135° handle position (night ventilation). To achieve RC 2 protection:

1. Tilt the window
2. Lock the handle
3. Remove the key.

## 10.2 Handle position with TiltFirst hardware

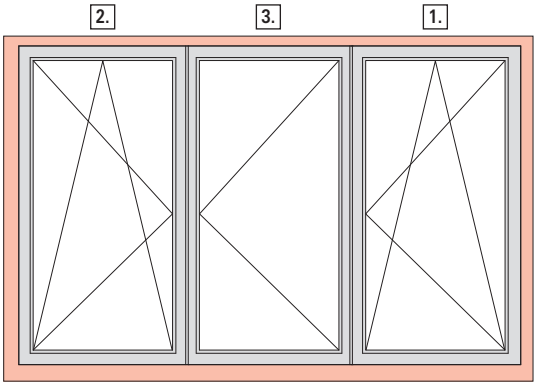
| Handle position | Sash position | Meaning |
|---|---|---|
|  |  | Sash in closed position. |
|  |  | Sash in tilted, open position. |
|  |  | Sash in turned, open position. |

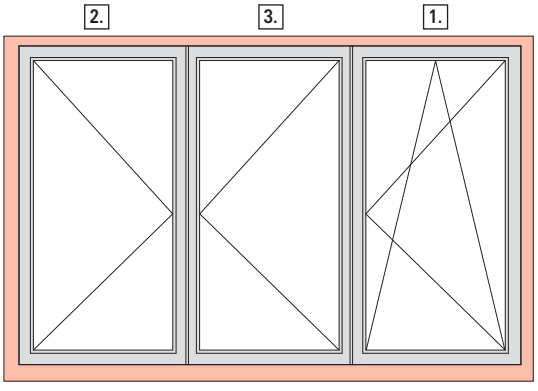
## 10.3 Handle position for arrestable brake stay

| Handle position | Sash position | Meaning |
|---|---|---|
|  |  | Sash in closed position. |
|  |  | Sash in turned, open position. |
|  |  | Sash in fixed position. |
|  |  | Release the fixed position. |
|  |  | Sash in turned, open position. |

## 10.4 Operating sequence

Both outer sashes must always be opened first in order to open the centre sash. Always open the centre sash last.



## 10.5 Fault assistance

| Fault | Cause | Corrective action | To be carried out by |
|---|---|---|---|
| Handle is difficult to turn. | Frame components have not been greased. | Grease the frame components. | ☐ |
| | Handle is damaged. | Replace the handle. | ■ |
| | Handle screwed into place too tightly. | Undo the screw fixing slightly. | ■ |
| | Sash components with slanting screws. | Screw the sash components in straight. | ■ |
| | Sash components are damaged. | Replace the sash components. | ■ |
| | Incorrect striker positions. | Adapt the striker positions. | ■ |
| | Sash stay gasket compression is too strong (build-up on gasket). | Adjust the sash stay gasket compression or clean the gasket. | ■ |
| | Gasket compression is too strong. | Reduce the gasket compression using the cam setting. | ■ |
| Handle cannot be turned 180°. | Sash components hinged or installed incorrectly. | Check the setting in the turn position (potentially rehang – start from the T&T espagnolette). | ■ |
| Sash falls into the tilt position when in the turn position. | Excessive clearance at the top. | Check the fit of the corner hinge. | ■ |
| | | Check the fit of the pivot rest. | ■ |
| | | Adjust the corner hinge so that it is positioned higher (pay attention to the tilt striker). | ■ |
| Sash falls into the turn position when in the tilt position. | Tilt striker damaged. | Replace the tilt striker. | ■ |
| Sash scrapes in the tilt position. | Insufficient clearance at the top. | Lower the corner hinge (pay attention to the tilt striker). | ■ |
| Locking cam is rubbing against the striker. | Incorrect striker position. | Adapt the striker position. | ■ |

☐ = May be carried out by a specialist company or the end user

■ = **Must** be carried out by a specialist company

# 11 Maintenance

**CAUTION**

**Performing maintenance work incorrectly can lead to injuries.**

Performing maintenance incorrectly can lead to injuries.

- Ensure that there is sufficient space for installation before starting work.
- Ensure that the installation site is clean and tidy.
- Always have hardware adjustment and replacement work performed by a specialist company.
- Secure the sash against unintentionally opening or closing.
- Do not unhinge the sash for maintenance.

**ATTENTION**

**Incorrect or improper testing may cause property damage.**

Incorrect or improper testing of the hardware may cause the element to malfunction.

- Have the hardware checked by a specialist company when installed.
- If defects need to be remedied, have the element unhinged and remounted by a specialist company.

**INFO**

The manufacturer must draw the attention of builders and end consumers to these maintenance instructions.

Roto Frank Fenster- und Türtechnologie GmbH recommends the manufacturer conclude a maintenance agreement with their end users.

No legal claims can be derived from the following recommendations; their application is to be based on the specific individual case.

| | Responsibility | |
|---|---|---|
| **Maintenance interval** | ☐ | → *from page 328* |
| **Cleaning** | | → *from page 329* |
| Clean hardware | ☐ | |
| **Care** | | → *from page 329* |
| Lubricate movable parts | ☐ | |
| Lubricate locking points | ☐ | |
| **Performance test** | | → *from page 331* |
| Check that hardware components are fitted securely | ☐ | |
| Inspect hardware components for wear | ☐ | |
| Check that movable parts work properly | ☐ | |
| Check that locking points work properly | ☐ | |
| Check ease of movement | ■ | |
| **Repair** | | → *from page 331* |
| Retighten screws | ■ | |
| Replace damaged components | ■ | |

☐ = May be carried out by a specialist company or the end user

■ = **Must** be carried out by a specialist company

## 11.1 Maintenance intervals

**ATTENTION**

**Failure to adhere to maintenance intervals may cause property damage.**

The maintenance interval for all tasks relating to the hardware components is **annually** at the least. In hospitals, schools and hotels, the maintenance interval is **six-monthly**.

Regular maintenance is necessary in order to maintain the proper and smooth-running operation of the hardware and to prevent premature wear or even defects.

- Determine and adhere to the appropriate maintenance interval in accordance with the ambient conditions.

## 11.2 Cleaning

**ATTENTION**

**Using incorrect cleaning agents and sealing compounds may cause property damage.**

Cleaning agents and sealing compounds may damage the surfaces of components and gaskets.

- Do not use aggressive or flammable liquids, acidic cleaners or abrasive cleaners.
- Only use mild, pH-neutral cleaning agents that have been diluted.
- Apply a thin protective film to the components, for example using a cloth soaked in oil.
- Avoid aggressive vapours (e.g. produced by formic acid, acetic acid, ammonia, amine compounds, ammonia compounds, aldehyde, carbolic acid, chlorine, tannic acid) around the element.
- Do not use any acetic acid-crosslinking or acid-crosslinking sealing compounds or those with the aforementioned constituents as both direct contact with the sealing compound and its fumes can corrode the surface of the components.

### Cleaning the hardware

- Clean deposits and contaminants off the hardware using a soft cloth.
- Lubricate movable parts and locking points after cleaning. → *11.3 "Care" from page 329*
- Apply a thin protective film to the hardware, for example using a cloth soaked in oil.

## 11.3 Care

**ATTENTION**

**Using incorrect lubricants may cause property damage.**

Substandard lubricants can prevent the hardware from working properly.

- Use high-quality lubricants.
- Only use resin-free and acid-free lubricants.
- Use appropriate lubricant in more challenging climatic conditions. Note the manufacturer specifications.

**ATTENTION**

**Cleaning agents and lubricants may pollute the environment.**

Leaking or excess cleaning agents and lubricants may pollute the environment.

- Remove any leaking or excess cleaning agents and lubricants.
- Dispose of cleaning agents and lubricants separately and properly.
- Observe the applicable directives and national laws.

Ease of movement can be improved by lubricating or adjusting the hardware. All functional hardware components must be lubricated on a regular basis.

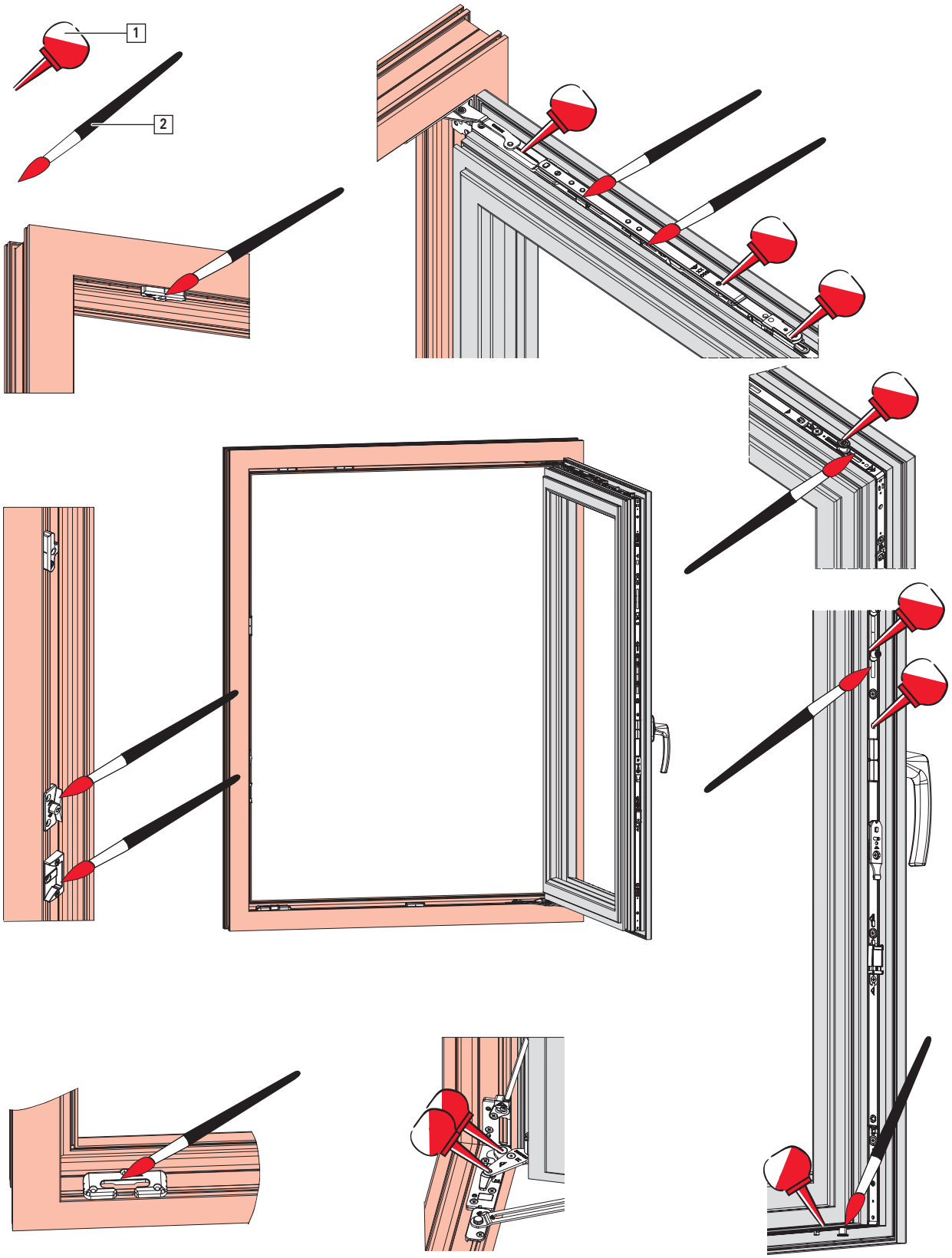
### Recommended lubricants

- Roto NX / NT grease
  Material number: 782881

**INFO**

The figure displays the positioning of potential lubrication points. The figure does not necessarily match the installed hardware. The quantity of lubrication points varies depending on the size and design of the element.

## 11.3.1 Lubrication points




[1] Oil

[2] Grease

## 11.4 Performance test

**WARNING**

**Improper repair work may pose a risk of death!**

Improper maintenance may prevent the element from working properly and make it less safe to use.

- Always have repairs performed by a specialist company.

Check for proper operation:

- Inspect hardware components for damage, deformation and a firm fit.
- Check that windows or balcony doors run smoothly by opening and closing them.
- Check the window or balcony door gaskets for elasticity and fit.
- Check closed windows or balcony doors to ensure that they are leakproof.
- Locking and unlocking torque max. 10 Nm. The test can be performed using a torque wrench.

Have malfunctions remedied by a specialist company.

## 11.5 Repair

**WARNING**

**Improper repair work may pose a risk of death!**

Improper maintenance may prevent the element from working properly and make it less safe to use.

- Always have repairs performed by a specialist company.

**ATTENTION**

**Improper screw fixings may cause property damage.**

Loose or faulty screws can prevent the hardware from working properly.

- Check that the individual screws are secure and seated correctly.
- Tighten or replace loose or faulty screws.
- Use only the suggested screws.

Repair work includes replacing and repairing components and is only necessary if components have become damaged after wear or as a result of external circumstances. The hardware must be secured reliably in order to ensure that the element works properly and is safe to use.

The following tasks must only be performed by a specialist company:

- All adjustment work on the hardware,
- Replacing hardware or hardware components,
- Installing and removing windows, doors or balcony doors

The specialist company must observe the following:

- Perform the necessary repair work properly, according to generally recognised engineering practice and in accordance with the applicable regulations.
- Do not perform makeshift repairs on worn or damaged components.
- Only use original or approved spare parts for repairs.

# 12 Dismantling

**WARNING**
**Improper dismantling may pose a risk of death!**
The sash may fall during dismantling.
- Secure the sash to prevent it from falling, e.g. by using two people.
- Always have dismantling work performed by a specialist company.

**CAUTION**
**Physical strain may cause injury and damage to health.**
Carrying and lifting heavy loads for extended periods leads to physical injury in the long term.
- When carrying or lifting loads, maintain an ergonomically correct posture. The maximum permissible load is 25 kg for men and 10 kg for women.

**INFO**
Unless otherwise stated, dismantling is performed in reverse order to installation.

## 12.1 Unhinging a sash without load transfer

1. Move the handle to the turn position.

Tilt&Turn hardware



TiltFirst hardware



2. Open the sash.

3. Push down on the lifting mishandling device (if fitted).
   Move the handle to the tilt position.

Tilt&Turn hardware



TiltFirst hardware



**INFO**
Under normal circumstances, this constitutes incorrect operation of the hardware, but it is a necessary step in this case.

4. Secure the sash to prevent it from falling.

**WARNING**
**An unsecured sash may pose a risk of death!**
The sash may fall during installation if it is not securely connected to the frame.
- Secure the sash to prevent it from falling, e.g. by using two people.

5. Unhinge the sash stay → *from page 335*.

6. Push down on the lifting mishandling device and move the handle to the turn position.

Tilt&Turn hardware

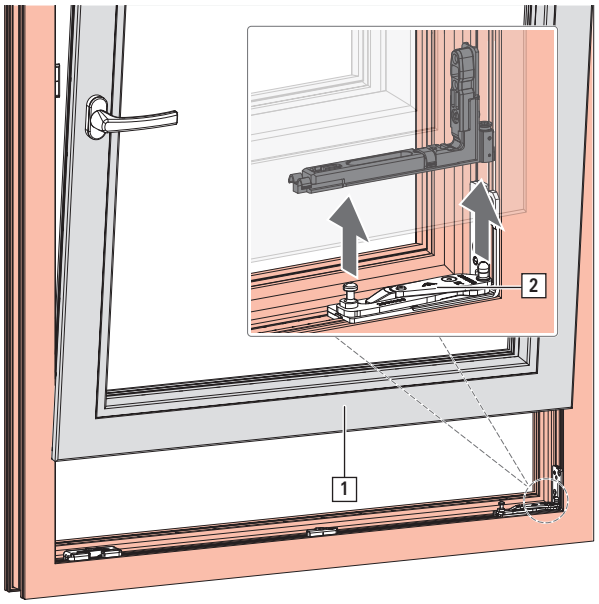


TiltFirst hardware



7. Close the sash.

8. With the sash [1] slightly tilted, lift it out of the pivot rest [2].




## 12.2 Unhinging a sash with load transfer

1. Move the handle to the turn position.

Tilt&Turn hardware



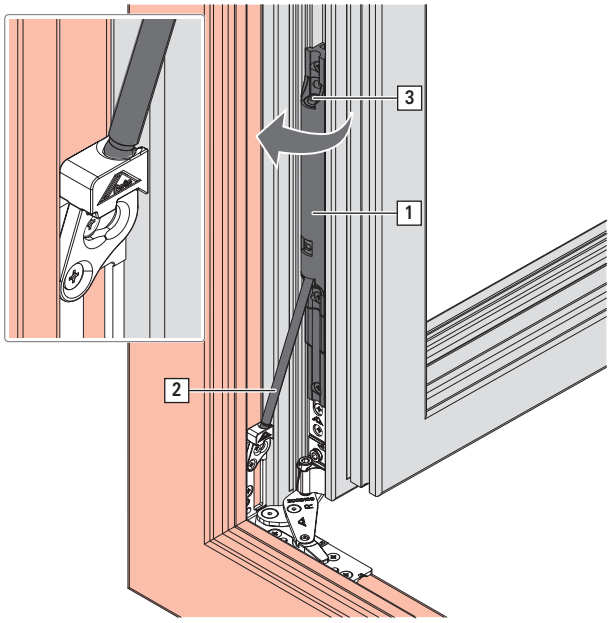
TiltFirst hardware



2. Open the sash.

   Relieve the load on the load transfer [1] until the support rod [2] lies loosely in the frame component.

   To do so, unscrew the load transfer adjusting screw [3] until the spring is fully released (the support rod becomes loose).




**INFO**
If the spring is not fully released, the sash cannot be rehinged.

3. Remove the support rod from the recess in the frame component.

4. Push down on the lifting mishandling device (if fitted).

   Move the handle to the tilt position.

| Tilt&Turn hardware | TiltFirst hardware |
|---|---|
|  |  |

**INFO**
Under normal circumstances, this constitutes incorrect operation of the hardware, but it is a necessary step in this case.

5. Secure the sash to prevent it from falling.

**WARNING**
**An unsecured sash may pose a risk of death!**
The sash may fall during installation if it is not securely connected to the frame.
- ▸ Secure the sash to prevent it from falling, e.g. by using two people.

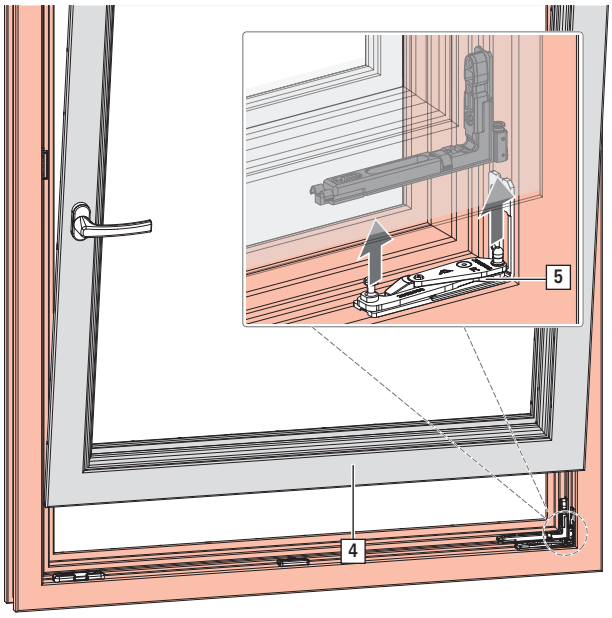
6. Unhinge the sash stay → *from page 335*.

7. Push down on the lifting mishandling device and move the handle to the turn position.

| Tilt&Turn hardware | TiltFirst hardware |
|---|---|
|  |  |

8. Close the sash.

9. With the sash [4] slightly tilted, lift it out of the pivot rest [5].

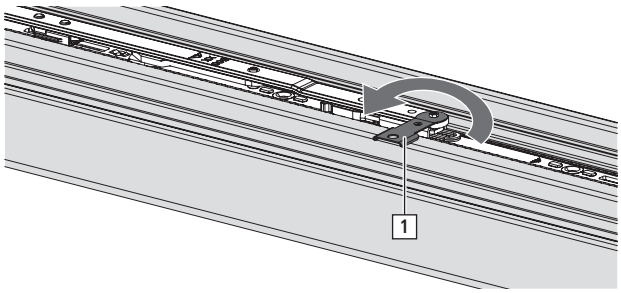



## 12.3 Unhinging the sash stay

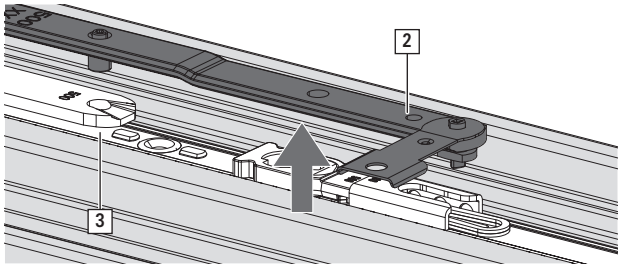
⇨ Sash is in the tilt position.

1. Turn the bayonet plate [1] 90° while lifting it slightly.

**WARNING**
**An unsecured sash may pose a risk of death!**
The sash may fall during dismantling if it is no longer connected to the frame.
- Secure the sash to prevent it from falling, e.g. by using two people.




2. Detach the stay arm [2] from the stay guide [3].



3. Push down on the lifting mishandling device (if fitted).

4. Move the handle to the turn position.

Tilt&Turn hardware

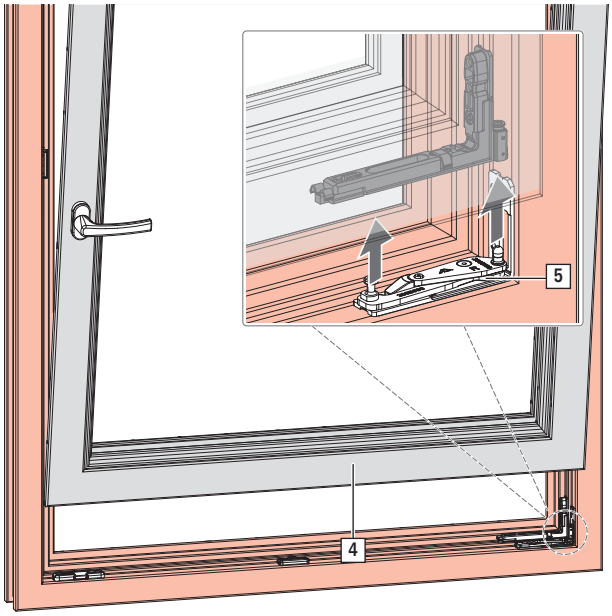


TiltFirst hardware



5. Close the sash.

6. With the sash [4] slightly tilted, lift it out of the pivot rest [5].




## 12.4 Hardware components

### Removing hardware components

1. Undo all screw connections.

2. Remove the hardware components.

3. Dispose of the hardware components properly.

# 13 Transport

## 13.1 Transporting elements and hardware

**DANGER**

**Improper transport poses a risk of death!**

Improper procedures for transporting, loading or unloading elements may cause serious injuries and glass breakage as a result of the elements swinging open, falling or becoming overloaded.

- Note the applicable accident prevention regulations.
- Note force application points and reaction forces.
- Prevent the sash from opening uncontrollably.
- Avoid jerky movements.
- Use suitable transportation means and protective devices.
- Watch out for protruding components.
- Transport heavy loads with two people and use suitable transportation means (such as an industrial truck).

**CAUTION**

**Trapped limbs may result in injuries.**

The transported goods can skid, open, close or fall during transportation tasks. This can result in limbs being trapped and seriously injured.

- Never reach near the scissor stays.
- Close the sash after installation and secure it in place for transport.
- Wear safety gloves and protective footwear.

**CAUTION**

**Physical strain may cause injury and damage to health.**

Carrying and lifting heavy loads for extended periods leads to physical injury in the long term.

- When carrying or lifting loads, maintain an ergonomically correct posture. The maximum permissible load is 25 kg for men and 10 kg for women.

Hardware is supplied to the specialist company as complete sets. The components are packaged accordingly for each scope of delivery. The instructions for safely transporting the hardware are described below.

Observe the following basic instructions when transporting hardware:

- Transport larger scopes of delivery using appropriate transportation means (such as industrial trucks).
- Note the transport weight in order to select appropriate transportation means.
- Ensure that the transport process is careful and appropriate for the material and that components are protected against dirt during transport.
- Immediately check the delivery for completeness and transport damage on receipt.

**INFO**

Submit a complaint about any defects as soon as they are identified. Claims for damages may only be made within the reclamation period.

Use the following transportation means for support when transporting, loading and unloading larger scopes of delivery:

- Industrial trucks, e.g. forklifts, telescopic handlers, pallet trucks
- Lifting equipment, e.g. transport nets, carry straps, round slings
- Protective devices, e.g. edge protection, spacer blocks

**INFO**
Industrial trucks and lifting devices may only be operated by qualified persons.

**INFO**
Lifting equipment and protective devices may only be used if they are in full working order.

## 13.2 Storing the hardware

Store all hardware components as follows until they are installed:

- Dry and protected
- On a level surface
- Protected against sunlight

# 14 Disposal

**ATTENTION**

**Incorrect disposal may pollute the environment.**

Pieces of hardware are raw materials.

- Dispose of hardware for environmentally friendly material re-utilisation as mixed scrap.

## 14.1 Disposing of packaging

The hardware is supplied as complete sets together with the packaging. Once unpacked, the installation company or builder is responsible for disposing of the packaging properly. The packaging materials are produced in accordance with current environmental protection standards. The materials can be recycled separately.

Follow the basic instructions below for the proper disposal of packaging:

- Do not dispose of packaging in household waste.
- Hand over packaging at local waste collection points or recycling centres.
- Observe the national regulations on the disposal of recyclable materials.
- Contact the local authorities if necessary.

## 14.2 Disposing of hardware

Once the hardware is finished with, the end user or builder is responsible for properly disposing of the windows, doors or balcony doors and the hardware, including any accessories. Hardware is produced in accordance with current environmental protection standards. The materials can be recycled separately.

Follow the basic instructions below for the proper disposal of hardware:

- Observe the information and specifications for disposal contained in the other applicable documents.
- Separate hardware components from windows, doors or balcony doors.
- Do not dispose of hardware in household waste.
- Hand over hardware at local waste collection points or recycling centres.
- Observe the national regulations on the disposal of recyclable materials.
- Contact the local authorities if necessary.

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