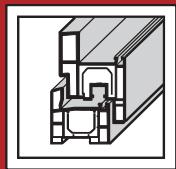
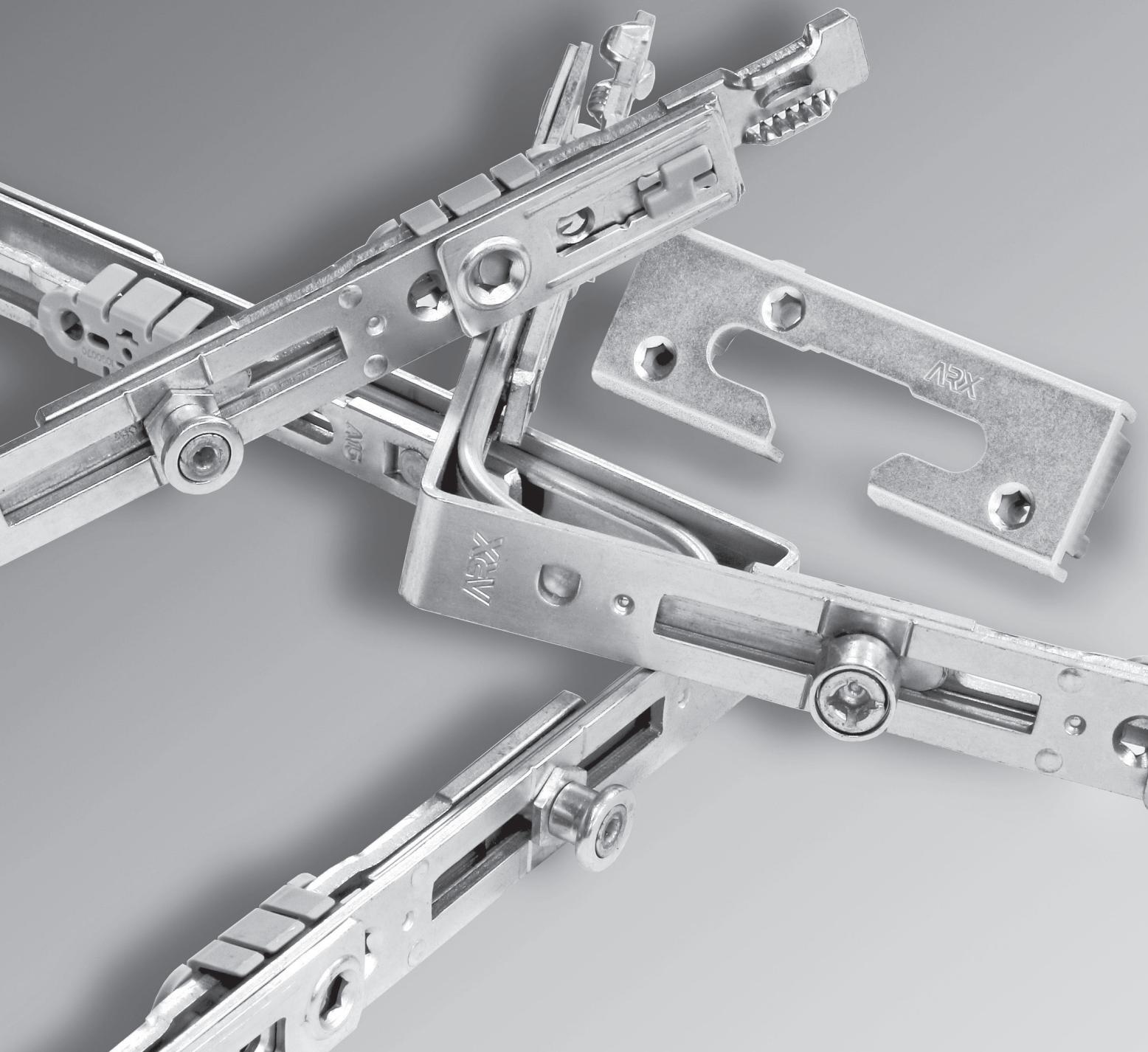




The Perfect Move



ARX spin

High-quality, durable and simple
Hardware for PVC profiles

Hardware **ARXspin** for PVC profiles
Catalogue of products 2020

Photographed by:
Kovinoplastika Lož d.o.o.

All the information in the following brochure has been carefully selected and verified. In the time of ever-growing technical progress and improvements, necessary changes constantly take place. We therefore thank you for your understanding, as we can not be held responsible for the correctness and completeness of the brochure content due to the reasons mentioned above. We reserve all the rights, especially the right to reproduce and transmit all parts of this publication.

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Kovinoplastika Lož d.o.o.,
Lož, Cesta 19. oktobra 57,
SI-1386 Stari trg pri Ložu
tel.: +386 1 70 95 100,
fax: +386 1 70 95 553
e-mail: info@kovinoplastika.si,
www.kovinoplastika.si

Manufacturer



KOVINOPLASTIKA LOŽ



Kovinoplastika Lož d.o.o. is an international company with a longstanding tradition; its aim is to meet the customers' demand for functional quality products. We are organized as a limited liability company with three profit centers and several own sales network companies in Europe and the world.

The operations which are performed in accordance with the international certificates obtained, our knowledge and modern technologies, result in a successful performance in all our core product lines.

We are developing business excellence and making investments in the development in all the strategic areas. Our products and services are marketed under trademarks which are managed by ourselves and with the help of our partners.

Besides its distinctive quality, the building hardware of Kovinoplastika Lož has an excellent quality-to-price ratio, providing Kovinoplastika Lož with a fast and effective strategy of winning market positions both in the European Union and other European countries.

The **ARX** building hardware made by Kovinoplastika Lož - turn & tilt hardware for windows are the most distinguished. It is available on selected international markets, where Kovinoplastika Lož markets its products and effectively manages them with its own subsidiaries, whereas the others are managed by maintaining long-lasting and successful partnerships with local companies.

It must be pointed out that Kovinoplastika Lož was the first company in the world, which developed and patented the system of multi-point door locks, operating on the lever principle.

Besides managing production development and marketing all the programmes of building hardware, Kovinoplastika Lož ranks successfully among the top kitchen sink suppliers and gastronom dishes for professional kitchens under our own trademark **ALVEUS**.

Compatibility of components to ensure reliability of operation



The ARX building hardware is new hardware for windows, balcony doors and door locks, being a product of our own development. We are an European hardware manufacturer from Slovenia, with extensive experience in the field of development, production and marketing of the most complex hardware for windows and doors.

The ARX building hardware is fully reliable and adjusted to hard climate; it combines the following features:

Innovation of functional solutions

- High-quality material
- High quality production and installation of individual hardware sets by using highly automated production
- Hardware is easy to maintain, providing a simple and environmentally friendly degradation
- A wide range of use
- Long-term operation and simple installation
- Provides a highly automated hardware installation to the sash and window frame
- Proper surface protection ARXCoat, providing good anti-corrosion durability and a trendy silver appearance, all due to the hot-dip galvanizing process

With a thoroughly made - out design, the ARX building hardware will add a new value to your windows and balcony doors.

Manufacturer's standards and certificates

In January 1994, Kovinoplastika Lož acquired the ISO 9001 compliance certification. After that in 2002, the company was successfully recertified and acquired the ISO 9001:2000.

In 2009, Kovinoplastika Lož acquired an important certificate - ISO/TS 16949, proving appropriate compliance certification for implementing appropriate environmental policy.

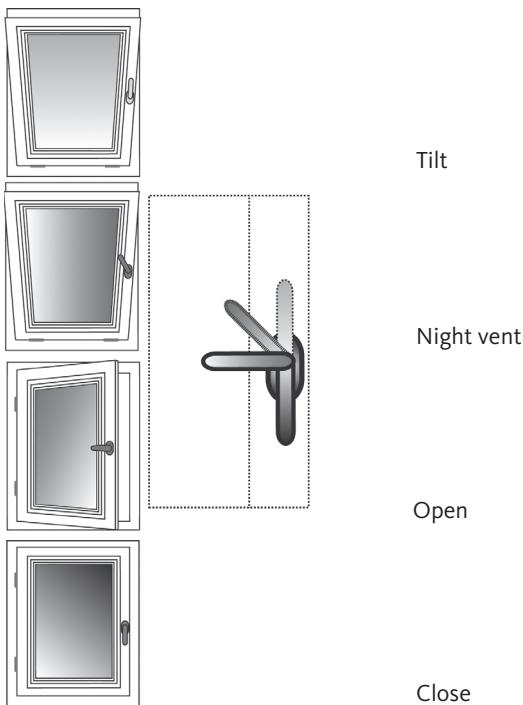
Kovinoplastika Lož was the first big industrial company in Slovenia to gain the ISO 14001 compliance certification for implementing appropriate environmental policy.

Based on successfully finished tests has Kovinoplastika Lož d.o.o. in November 2014 received also certificate about accordance of building fittings ARX spin with regulations in EU.



Product warranty and liability - turn only, turn & tilt hardware

Position of sash and lever



According to the instructions of the Quality Association for Locks and Hardware (Gütegemeinschaft Schlosser und Beschläge), the VHBH Directive, issued on 11.12.2009 and the manufacturer's responsibility for its products, defined in the Consumer Protection Act (Consumer Protection Act of the Republic of Slovenia, paragraph 2, §4-11a), the following information about the turn-only and tilt&turn hardware for sashes must be observed. Failure to comply with the following information exempts the manufacturer from liability.

1. Product information and stipulated application

1.1 Quality Assurance Association for Locks and Hardware
(Gütegemeinschaft Schlosser und Beschläge) published in the VHBH Directive states that turn-only and tilt-and-turn hardware is hardware for turnable and tiltable sashes for windows in building construction.

- This hardware is used for:
- bringing windows and sashes of windows, by activation of a handle, into a turning position,
- bringing windows and sashes of windows into a tilting position restricted by means of a scissor stay version.

Turn-only and turn&tilt hardware is used for installation in windows and balcony doors which are to be vertically installed, made from timber, PVC, aluminium or steel, and their corresponding combination.

According to the definition above, the regular function of the turn-only and turn & tilt hardware is closing the windows and sashes and opening them in different airing positions. When the sash is closed, the resistance of a gasket normally needs to be overcome.

1.2 Misuse – exclusion of liability

Misuse is not compliant with the basic purpose of hardware. Anti-theft windows and balcony doors for wet spaces and installation in aggressive and corrosive climate require special hardware with particularly defined characteristics, adjusted to individual building case.

1.3 Restrictions on the use

Open windows, sashes and balcony doors only have protective function and do not provide window fissure sealing, safety in heavy rain or snow, sound and thermal insulation and anti-theft protection. In windy weather and in case of draught, windows and sashes must be closed and bolted. Windy weather and draught logically mean that a window, a sash or balcony doors open and close automatically and uncontrollably in one of the open positions due to air pressure or whirlwind. The only way to make a window, sash or balcony doors fixedly open, is to install additional hardware elements.

1.4 Use in case of special requirements

Wind resistance of the closed and bolted window depends on the actual structure of window and balcony doors. In case a window (or a sash or balcony door) has to endure wind load, according to the DIN EN 12210 standards (in particular pressure test p3), suitable hardware compilations are to be matched in relation to the respective window design and frame material, and each case individually agreed upon.

Anti-theft windows and balcony doors for wet spaces and installation in aggressive and corrosive climate require special hardware with particularly defined characteristics, adjusted to individual building case.

In general, the turn-only, turn&tilt and tilt&slide hardware meet the requirements according to the DIN 18025 standards, applicable to open-type buildings. To this end, particular agreements and adjustments regarding the appropriate hardware structure and its installation on windows and balcony doors are required.

Product warranty and liability - turn only, turn & tilt hardware

2. Misuse of the product

Misuse of the turn&tilt and slide hardware for window and balcony doors (i.e. the use, non-compliant with intended use of the product) includes the following:

- inserting obstacles in the opening vicinity between the frame and sash and thus preventing the proper specified use,
- if, contrary to the instructions of use, the window or the sash is uncontrollably pushed toward the window reveals (e.g. because of the wind), causing damage or destruction of hardware, sash material or other parts of the window and the sash,
- additional load on the windows or balcony door sashes (if, for example, children swing on the windows or balcony door sashes),
- inserting a hand or an object into the rebate between the window and the sash when closing the window or balcony doors (risk of injury).

3. Product warranty

Kovinoplastika Lož is one of the leading manufacturers of building hardware in the European Union; the quality of the company's product is based on a 60-year tradition in development, production and ensuring quality according to the acquired ISO 9001: 2000 certificate.

We also declare that for the period of 10 years, all the spare parts of the ARX building hardware can be repaired or replaced by the experts, provided that the sash and the window frame or balcony doors have not been damaged. A 10-year period of providing spare parts or equivalent replacement parts starts with the beginning of eventual termination of the ARX building hardware production. Hardware servicing, replacement and repair services, repair time and travel expenses, arising from ensuring the above mentioned services are payable according to the price list of services, provided by Kovinoplastika Lož d.o.o. The hardware structure may only consist of the hardware elements from the ARX building hardware programme. In case of inappropriately performed hardware installation and/or inappropriate use of non-original additional parts, which have not been confirmed by the manufacturer, the latter assumes no responsibility. In order to fixate the hardware professionally, »Implementation regulations for the fixing of supporting hinge-sided hardware components« must be followed.

3.1 Product warranty – exclusion of liability

For functional problems or hardware damage and therefore corresponding trouble of the windows or balcony doors equipped with such hardware, being the subject of insufficient tender or failing to follow the installation rules or application diagram, the hardware manufacturer is not to be held responsible.

Warranty is applicable only to original parts of the ARX building hardware.

4. Product characteristics – manufacturer's instructions for use

4.1 Maximum sash weights

The maximum sash weight for individual hardware installation must not be exceeded. The construction element with the smallest possible permissible load defines the maximum weight of the sash. Application diagrams and component classification must be considered.

4.2 Sash sizes

Application diagrams show the relationship between the permissible sash rebate heights, depending on various glass weights i.e. total glass weight. The calculated sash dimensions in the rebate or the sash formats (portrait and/or landscape format), as well as the maximum sash weight must not be exceeded under any circumstances.

4.3 Hardware combination

The manufacturer's regulations, regarding the combination of hardware (i.e. the application of additional stay arms, the hardware design for anti-theft windows and balcony door sashes), must be followed.

4.4 Hardware functionality

Permanent hardware functionality can be ensured by consistently following the rules below:

- Professional installation of hardware components must be performed according to the attached instructions for installation,
- hardware assembly in the process of window installation is to be done professionally,
- the window manufacturer must deliver the instructions for use and maintenance to the user, along with the guidelines regarding product warranty,
- hardware as a whole can only consist of the original ARX building hardware; any product warranty is excluded for simultaneously using hardware parts, not originally belonging to the ARX building hardware.

Product warranty and liability - turn only, turn & tilt hardware

5. Product maintenance

Hardware components, important for safety, must be checked at least once a year for fitting tightness and tight fitting. If necessary, the fixing screws can be additionally fastened and the component parts replaced. The following maintenance work must be performed at least once a year:

- Greasing and functional control of all the movable parts and all the locking points of the turn-only and tilt&turn hardware.
- only the cleaning and maintenance agents, which do not reduce the anti-corrosion hardware protection, may be used.

Hardware a – particularly in the vicinity of the pivot rest and the scissor-stay, as well as replacement parts and the unhinging & hinging of the active sash – must be provided by highly-qualified experts. In case of surface treatment for windows and balcony doors (e.g. varnishing), all the hardware components must be excluded from treatment; they must also be protected against potential contamination, caused by surface treatment.

5.1 Maintaining the quality of surface treatment

In normal climate, the hot-dip galvanized coating is not damaged by corrosion, as long as condensed water is not produced in hardware parts or if the condensed water quickly dries up.

In order to maintain long-lasting quality of surface treatment and prevent adverse corrosion effects, the instructions below must be followed:

- Hardware and window rebates must be thoroughly aired (particularly during the construction phase) by making sure that the elements mentioned are not exposed to moisture and condensed water,
- hardware must be protected against any covers or contamination with building materials (e.g. roughcast, dust, cement and the like),
- aggressive vapours in the window rebate (e.g. formic acid and acetic acid, ammonia, amino- and ammonium compounds, aldehyde, phenol, tannic acid etc.) may quickly lead to corrosion of hardware components in combination with a small amount of condensed water; in case of aggressive vapours, thorough airing of rebates on the windows and balcony doors must be provided; this is particularly important for windows and balcony doors made of oak and other types of wood, containing a large amount of tannic acid,
- gaskets with acetic acid or acidic net structure or gaskets, containing the above mentioned ingredients must not be used, as the direct contact with the gasket and its vapours may corrode the hardware surface,
- hardware can only be cleaned with soft, ph-neutral cleaning agent in diluted form; aggressive, acidiferous cleaners or abrasive cleaning agents, containing the above mentioned ingredients, must not be used at any time.

6. Information and instructions

In order to carry out duties of informing and giving instructions and performing maintenance according to »Consumer Protection Act«, the following publications are available:

- »Catalogues« for designers and authorized dealers
- »Installation instructions« and »factory drawings« for manufacturers of windows and balcony doors,
- »Instructions for maintenance and cleaning« and »Instructions for use« for investors and users.

In order to ensure the functionality of the turn-only, turn&tilt and slide hardware for windows and balcony doors, the following rules must be observed:

- The designers are required to obtain information from the manufacturer or the authorized dealer, regarding the products, and act accordingly,
- the authorized dealers must pay attention to product information and the information mentioned herein, along with installation instructions, factory drawings and instructions for maintenance and cleaning; they must obtain instructions for use from the manufacturer and pass them on to manufacturers of windows and balcony doors,
- the manufacturers of windows and balcony doors must consider all the relevant product information and ask the manufacturer or authorized dealer for maintenance and
- cleaning instructions in particular, along with instructions for use and pass them on to investors and users.

All information regarding turn&tilt, turn or tilt only hardware systems for windows and balcony doors made of PVC should be observed. In case of non-compliance the manufacturer is exempt from liability.

High-quality, durable and simple

ARX Spin is a system of turn&tilt hardware fittings. Its technology enables effortless turning and tilting of window sashes with a single handle operation. ARX Spin hardware can be operated very conveniently and is also available in a high-security version. The system can be fitted to a wide range of window sizes and allows for simple integration of components during fabrication process.

The ARX spin turn and tilt building hardware is fully reliable and adjusted to hard climate; it combines the following features:



ARXCoat – High quality surface protection

ARXCoat surface protection gives excellent appearance to building hardware and simultaneously ensures long-term and durable surface.

It maintains very high corrosion resistance in severe conditions and extreme climate, exceeding Grade 5 of BS EN1670 (480 hours exposure to salt spray), thereby guaranteeing long-term and simple use without any maintenance trouble.

How have we accomplished this? Through a special technological process that consists of electroplated zinc coating and low-temperature thick-layer passivation, followed by application of organic sealant to increase the anti-corrosion properties.



Stay guide with integrated anti-slam lock

Integrated tilt lock keeps the sash in tilted position, thus preventing sash slamming in windy conditions. It can be moved into alternative position, to reduce the tilt opening from 140 mm to 80 mm.



R – Cam

R-Cams incorporate a regulatory function which allows installer or user to optimize the window compression by +/-1,2mm, thereby improving the sealing properties of windows and balcony doors. Moreover, the R-Cams provide smoother operation to window users who only need to apply a minimum force in order to operate the handle.



RS – Cam

RS Cams provide superior level of security at closing points (due to their mushroom shape). Their height adjusts automatically to fit the air-gap between sash and frame. The compression can be regulated by +/-0.8mm – with hex key (size 2.5) or with spanner (size 10). The rolling cam enables smoother and easier closing operation. RS-Cams are optional on all ARX Spin sash components. They can be used in combination with both security strikers or standard strikers (if used with standard strikers, they don't provide higher security).



Night vent

Night Vent is provided to allow gentle circulation of air through its gap in case of hot weather or in order to prevent glass condensation, or even mould forming. The window handle is set at the 45 degree angle between the two open positions – SEE PAGE 98.

High-quality, durable and simple

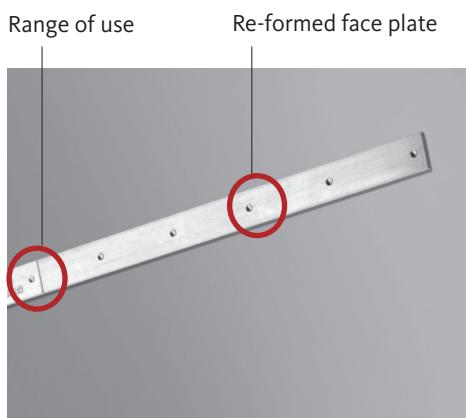
A wide range of products

ARX Spin hardware is available in extensive variety of components, which can be combined into a number of turn&tilt solutions. ARX Spin therefore easily meets desires and requirements of different customers. For instance, a wide range of corner drives and shoot-bolts provides an excellent product choice to both very demanding and less stringent security requirements.



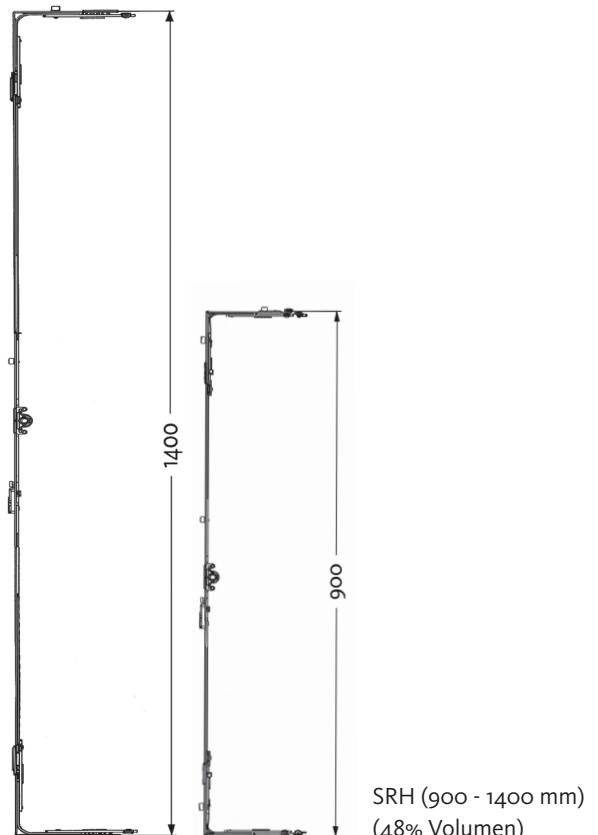
Uniform length of redesigned espagnolettes

A special feature of ARX Spin hardware is also uniform length of its espagnolettes. A one-size espagnolette can fit a range of sash dimension, covering up to 50% of total requirement. Each espagnolettes can be cropped within the marked cut-off area.



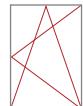
Reduced friction between driving rod and faceplate

The espagnolettes have been redesigned to reduce the contact between the gearplate and faceplate, thereby reducing potential damage to surface protection.



The explanation of symbols, diagrams and tables

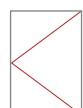
In the part describing the ARX Spin, different symbols, diagrams and tables are used in order to provide a clear picture and demonstration of the hardware application. The meanings are as follows:



Turn & Tilt sash

L (mm)

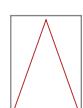
Material Length



Turn only sash

MS (mm)

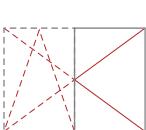
Mishandling device position



Tilt only sash

OHG

Opposing hardware groove



Turn and tilt / turn only sash

BS

Back set



Sash weight max. 100 kg



Locking **R** cam position



Application range:
Sash rebate width 250 - 1400 mm
Sash rebate height 320 - 2400 mm



Locking **RS** cam position



Number of strikers



Sash rebate height



Number of screws



Sash rebate width



Locking cam **R**



Handle height



NV - night vent

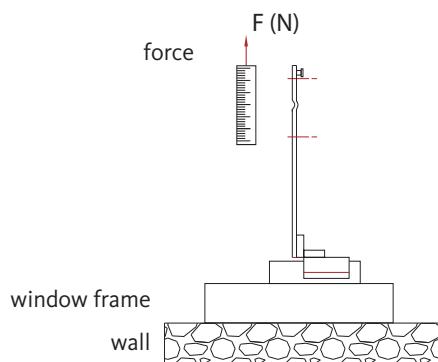


Warning

Regulation of product warranty

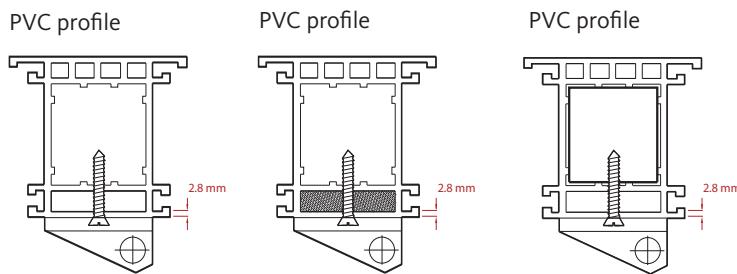
In order to fix hardware components, silver galvanized, steel construction screws of 3,5/4,0 x.... are used. The window manufacturer must ensure sufficient fixing of hardware components. If necessary, the manufacturer of construction screws may also be included in the process of installing hardware.

sash weight (Kg)	F (N)
60	1650
70	1900
80	2200
90	2450
100	2710
110	3000
120	3250
130	3500
140	3900
150	4200
160	4400
170	4710
180	5000
190	5300
200	5500



When fixing safety relevant bearing hardware components (scissor stay bearing and pivot rest), the vertical tractive force on the sash level must reach the values according to the following table (the tractive force values in dependence of the sash weight according to directive TBDK).

The values in the table for sashes up to 80 kg in weight are normally achieved if high-quality screws are used for fixing and the fixing on the profile is performed through at least two profile walls. The thickness of the first profile wall must be at least 2.8 mm. For sash weights over 80 kg a supplementary fixing into the reinforcement profile or profile insertions in accordance with the profile system, is necessary. Required values can be achieved without additional measures by using the bearing parts on sashes up to 100 kg in weight.



Gaskets with acetic net structure must not be used, as their use may lead to corrosion of hardware components. Guidelines regarding the window glazing technique must be followed.

Use of related hardware types

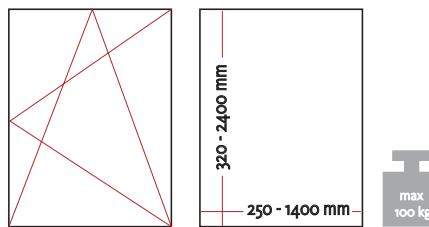
Different options within the individual hardware system (e.g. tilt hardware) must be considered according to the product information, purpose, misuse, product characteristics, maintenance and information and instructions, in regard to the characteristics of the hardware assembly.

TURN & TILT Hardware

Fixed & Centered / variable Handle Height - Basic

1 T&T ESPAGNOLETTE BS 14,5 mm

Sash rebate height	Handle height	Lenght	Material Nr.
320 - 460 ⁴⁾	120	320	1083081
461 - 600	170	460	1083082
601 - 800	263	660	1083083
801 - 1000	413	860	1083084
801 - 1000	413	860	1 R 1083085
1001 - 1200	513	1060	1 R 1083086
1201 - 1400	563	1260	1 R 1083087
1401 - 1600	563	1460	1 R 1083088
1601 - 1800	563	1660	1 R 1083089
1601 - 1800	1000	1660	1 R 1083090
1801 - 2000	1000	1860	2 R 1083091
2001 - 2200	1000	2060	2 R 1083092
2201 - 2400	1000	2260	2 R 1083093



2 T&T ESPAGNOLETTE M BS 14,5 mm

Sash rebate height	Handle height	Lenght	Material Nr.
420 - 620 ⁴⁾	210 - 310	340	1083117
600 - 1000	300 - 500	720	1 R 1088473
900 - 1400	450 - 700	1120	1 R 1098964
1401 - 1800	701 - 900	1520	1 R 1098965
1601 - 2000	801 - 1000	1720	2 R 1098966
2001 - 2400	1001 - 1200	2120	2 R 1098967

6 STAY ARM SYSTEM 12/20-13

Sash rebate width	Type/Lenght	Pos.	Material Nr.
250 - 410	150	L	1123306
250 - 410	150	R	1123307
411 - 610	250	L	1083016
411 - 610	250	R	1083017
611 - 810	350	L	1083018
611 - 810	350	R	1083019
811 - 1400	500	L	1083020
811 - 1400	500	R	1083021

6 STAY ARM SYSTEM 12/22-13

Sash rebate width	Type/Lenght	Pos.	Material Nr.
250 - 410	150	L	1131554
250 - 410	150	R	1131555
411 - 610	250	L	1083030
411 - 610	250	R	1083031
611 - 810	350	L	1083032
611 - 810	350	R	1083033
811 - 1400	500	L	1083034
811 - 1400	500	R	1083035

6a COVER CAP STAY ARM SEE PAGE 58

7 STAY BEARING 100 kg with pin 1083250

7a STAY BEARING Ø6 130 kg with pin 1105598

7b COVER CAP STAY BEARING SEE PAGE 58

8 CENTRE LOCK

Sash rebate width	Sash rebate height	Lenght	Material Nr.
801 - 1200	801 - 1200	500/550	2 R 1083058
1201 - 1400	1201 - 1600	800/850	2 R 1083059
/	1601 - 2200	1500/1550	3 R 1083060
/	2201 - 2400	1950/2000	4 R 1083064

9 CORNER HINGE 100 kg 1083241

9a CORNER HINGE Ø6 130 kg 1083242

9b COVER CAP CORNER HINGE SEE PAGE 58

10 CORNER PIVOT REST 100 kg 1083247

10a CORNER PIVOT REST Ø6 130 kg 1105596

10b COVER CAP CORNER PIVOT REST - flat SEE PAGE 58

10c COVER CAP CORNER PIVOT REST SEE PAGE 58

11 T&T STRIKER SEE PAGE 61

12 STRIKER SEE PAGE 64

13 MISHANDLING DEVICE - sash 1093907

14 MISHANDLING DEVICE - frame SEE PAGE 65

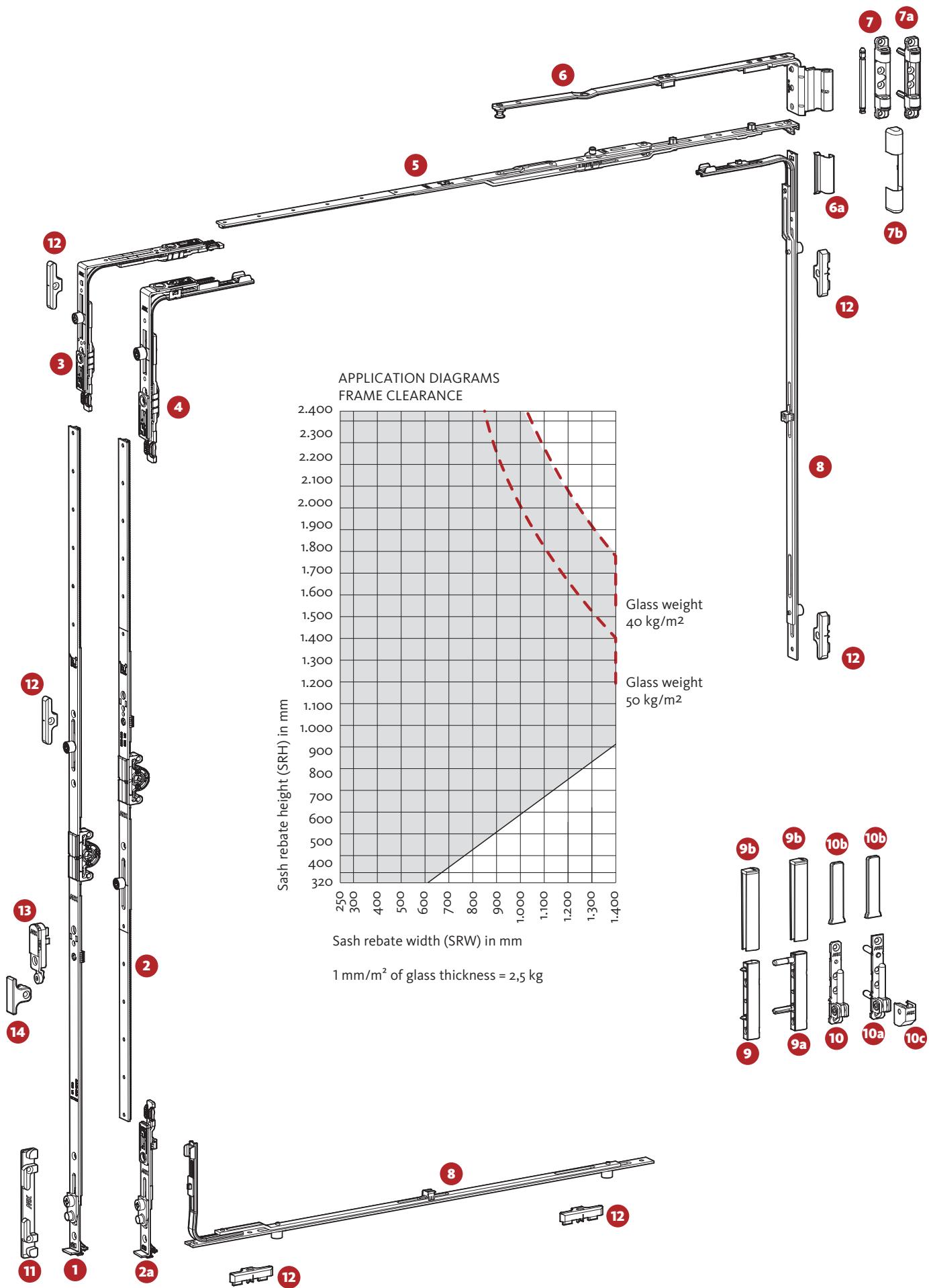
¹⁾ NV = night vent

²⁾ SRW = 250 - 340; with short corner drive

³⁾ Without shema

⁴⁾ Mishandling device not available

Parts review

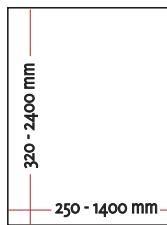
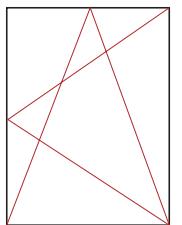


TURN & TILT Hardware

Fixed & Centered / variable Handle Height - Standard

1 T&Ti ESPAGNOLETTE BS 14,5 mm

Sash rebate height	Handle height	Lenght	Material Nr.
320 - 460 ^{3) 4)}	120	320	1105430
461 - 600	170	460	1083094
601 - 800	263	660	1083095
801 - 1000	413	860	1 R 1083096
1001 - 1200	513	1060	1 R 1083097
1201 - 1400	563	1260	1 R 1083098
1401 - 1600	563	1460	1 R 1083099
1601 - 1800	563	1660	1 R 1083100
1801 - 2000	1000	1860	2 R 1083101
2001 - 2200	1000	2060	2 R 1083102
2201 - 2400	1000	2260	2 R 1083103



2 T&T ESPAGNOLETTE M BS 14,5 mm

Sash rebate height	Handle height	Lenght	Material Nr.
420 - 620 ⁴⁾	210 - 310	340	1083117
600 - 1000	300 - 500	720	1 R 1088473
900 - 1400	450 - 700	1120	1 R 1098964
1401 - 1800	701 - 900	1520	1 R 1098965
1601 - 2000	801 - 1000	1720	2 R 1098966
2001 - 2400	1001 - 1200	2120	2 R 1098967

6 STAY ARM

SYSTEM 12/20-13

Sash rebate width	Type/Lenght	Pos.	Material Nr.
250 - 410	150	L	1123306
250 - 410	150	R	1123307
411 - 610	250	L	1083016
411 - 610	250	R	1083017
611 - 810	350	L	1083018
611 - 810	350	R	1083019
811 - 1400	500	L	1083020
811 - 1400	500	R	1083021

6 STAY ARM

SYSTEM 12/22-13

Sash rebate width	Type/Lenght	Pos.	Material Nr.
250 - 410	150	L	1131554
250 - 410	150	R	1131555
411 - 610	250	L	1083030
411 - 610	250	R	1083031
611 - 810	350	L	1083032
611 - 810	350	R	1083033
811 - 1400	500	L	1083034
811 - 1400	500	R	1083035

6a COVER CAP STAY ARM

SEE PAGE 58

7 STAY BEARING 100 kg with pin

1083250

7a STAY BEARING Ø6 130 kg with pin

1105598

7b COVER CAP STAY BEARING

SEE PAGE 58

8 CENTRE LOCK

Sash rebate height	Type/Lenght	Material Nr.
801 - 1200	500/550	2 R 1083058
1201 - 1600	800/850	2 R 1083059
1601 - 2200	1500/1550	3 R 1083060
2201 - 2400	1950/2000	4 R 1083064

9 CENTRE LOCK

Sash rebate width	Type/Lenght	Material Nr.
801 - 1200	400	1 R 1083061
1201 - 1400	600	1 R 1083062

10 CORNER HINGE 100 kg

1083241

10a CORNER HINGE Ø6 130 kg

1083242

10b COVER CAP CORNER HINGE

SEE PAGE 58

11 CORNER PIVOT REST 100 kg

1083247

11a CORNER PIVOT REST Ø6 130 kg

1105596

11b COVER CAP CORNER PIVOT REST-flat

SEE PAGE 58

11c COVER CAP CORNER PIVOT REST

SEE PAGE 58

12 T&Ti STRIKER SECURITY

SEE PAGE 62

13 STRIKER

SEE PAGE 64

14 MISHANDLING DEVICE - sash

1093907

15 MISHANDLING DEVICE - frame

SEE PAGE 65

1) NV = night vent

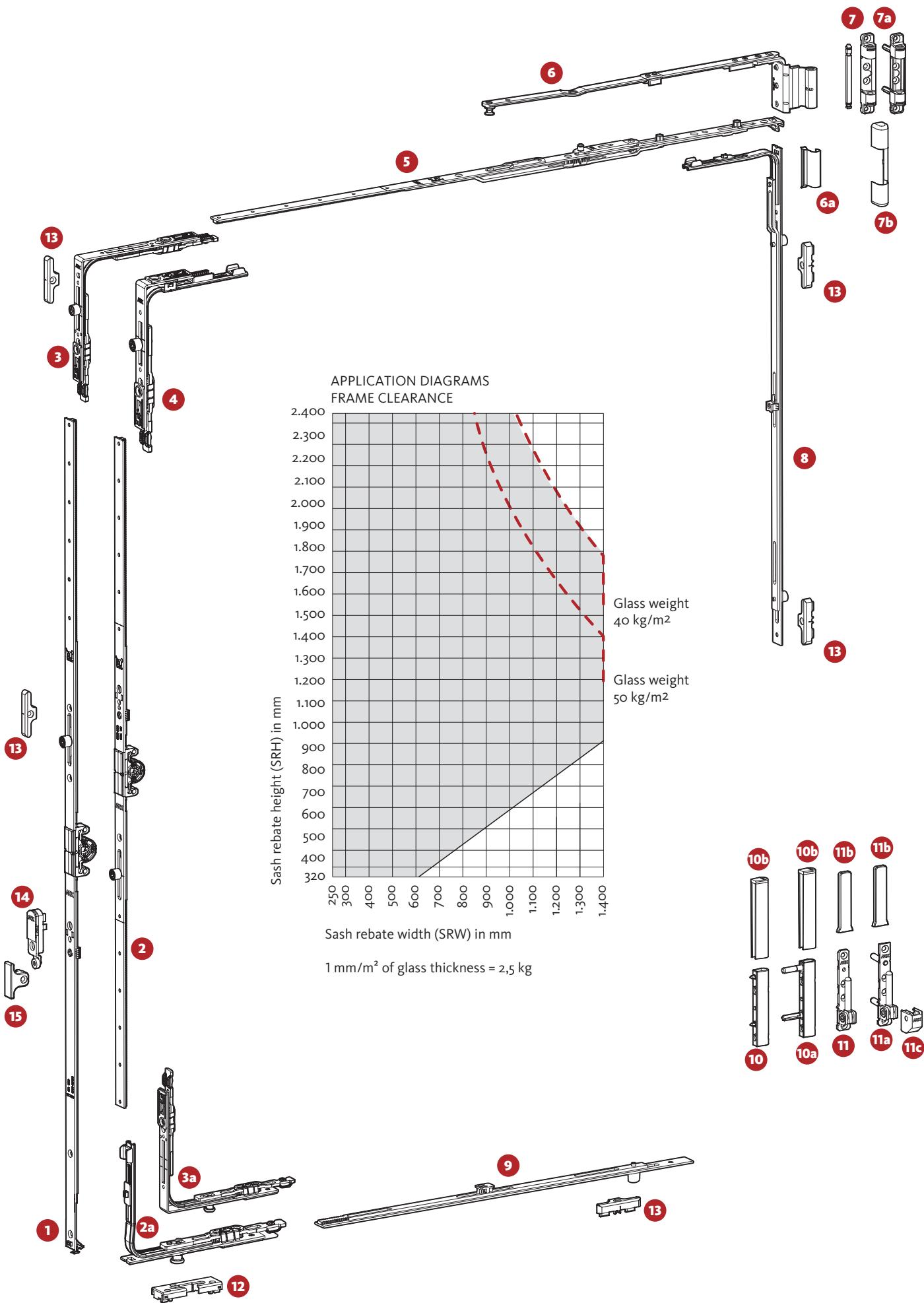
2) SRW = 250 - 340; with short corner drive

3) With integrated T&T corner drive 1R

4) Mishandling device not available

5) Without shema

Parts review

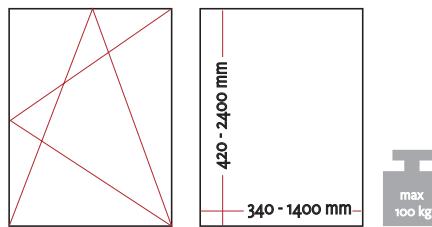


TURN & TILT Hardware

Fixed & Centered / variable Handle Height - RC 1 SECURITY

1 T&T ESPAGNOLETTE KV BS 14,5 mm

Sash rebate height	Handle height	Lenght	Material Nr.
550 - 690	259	410	1118431
601 - 800	263	520	1115131
801 - 1000	413	720	1115132
801 - 1000	413	720	1 R 1115133
1001 - 1200	513	920	1 R 1115134
1201 - 1400	563	1120	1 R 1115135
1401 - 1600	563	1320	1 R 1115136
1601 - 1800	563	1520	1 R 1115137
1601 - 1800	1000	1520	1 R 1115167
1801 - 2000	1000	1720	2 R 1115138
2001 - 2200	1000	1920	2 R 1115139
2201 - 2400	1000	2120	2 R 1115140



8 CORNER PIVOT REST Ø6 130 kg

1105596

8a COVER CAP CORNER PIVOT REST-flat

SEE PAGE 58

8b COVER CAP CORNER PIVOT REST

SEE PAGE 58

9 CENTRE LOCK

Sash rebate width	Lenght	Material Nr.
340 - 540	200 1 R	1101005
541 - 740	400 1 R	1101006
741 - 940	600 1 R	1101012
941 - 1140	600 EX 1 R + 200 1 R	1102900+1101005
1141 - 1340	600 EX 1 R + 400 1 R	1102900+1101006
1341 - 1400	600 EX 1 R + 600 1 R	1102900+1101012

9a CENTRE LOCK

Sash rebate height	Lenght	Material Nr.
800 - 1200	400 1 R	1083061
1201 - 1600	600 1 R	1083062
1601 - 2000	600 EX 1 R + 600 1 R	1102900+1083062
2001 - 2200	2 x 600 EX 1 R + 400 1 R	2x1102900+1083061
2201 - 2400	2 x 600 EX 1 R + 600 1 R	2x1102900+1083062

10 T&T CORNER DRIVE 180

1 RS 1100987

11 T&Ti STRIKER SECURITY

SEE PAGE 62

12 SECURITY STRIKER

SEE PAGE 63

13 STRIKER

SEE PAGE 64

14 MISHANDLING DEVICE - sash

1093907

15 MISHANDLING DEVICE - frame

SEE PAGE 65

16 ARX HANDLE - lockable

SEE PAGE 103

17 GROOVE SPACER

1116028

2 T&T ESPAGNOLETTE M BS 14,5 mm

Sash rebate height	Handle height	Lenght	Material Nr.
420 - 620 ¹⁾	210 - 310	340	1083117
600 - 1000	300 - 500	720	1 R 1088473
900 - 1400	450 - 700	1120	1 R 1098964
1401 - 1800	701 - 900	1520	1 R 1098965
1601 - 2000	801 - 1000	1720	2 R 1098966
2001 - 2400	1001 - 1200	2120	2 R 1098967

3 CORNER DRIVE

1 RS

1100983

4 SASH STAY GUIDE

Sash rebate width	Type/Lenght	Material Nr.
340 - 410	150 - 290	1123308
411 - 610	250 - 470	1083038
611 - 810	350 - 670	1083039
811 - 1010	500 - 870	1 R 1083040
1011 - 1210	500 - 1070	1 R 1083041
1211 - 1410	500 - 1270	1 R 1083042

5 STAY ARM

SYSTEM 12/20-13

Sash rebate width	Type/Lenght	Pos.	Material Nr.
340 - 410	150	L	1123306
340 - 410	150	R	1123307
411 - 610	250	L	1083016
411 - 610	250	R	1083017
611 - 810	350	L	1083018
611 - 810	350	R	1083019
811 - 1400	500	L	1083020
811 - 1400	500	R	1083021

5a COVER CAP STAY ARM

SEE PAGE 58

6 STAY BEARING Ø6 130 kg with pin

1105598

6a COVER CAP STAY BEARING

SEE PAGE 58

7 CORNER HINGE Ø6 130 kg

1083242

7b COVER CAP CORNER HINGE

SEE PAGE 58

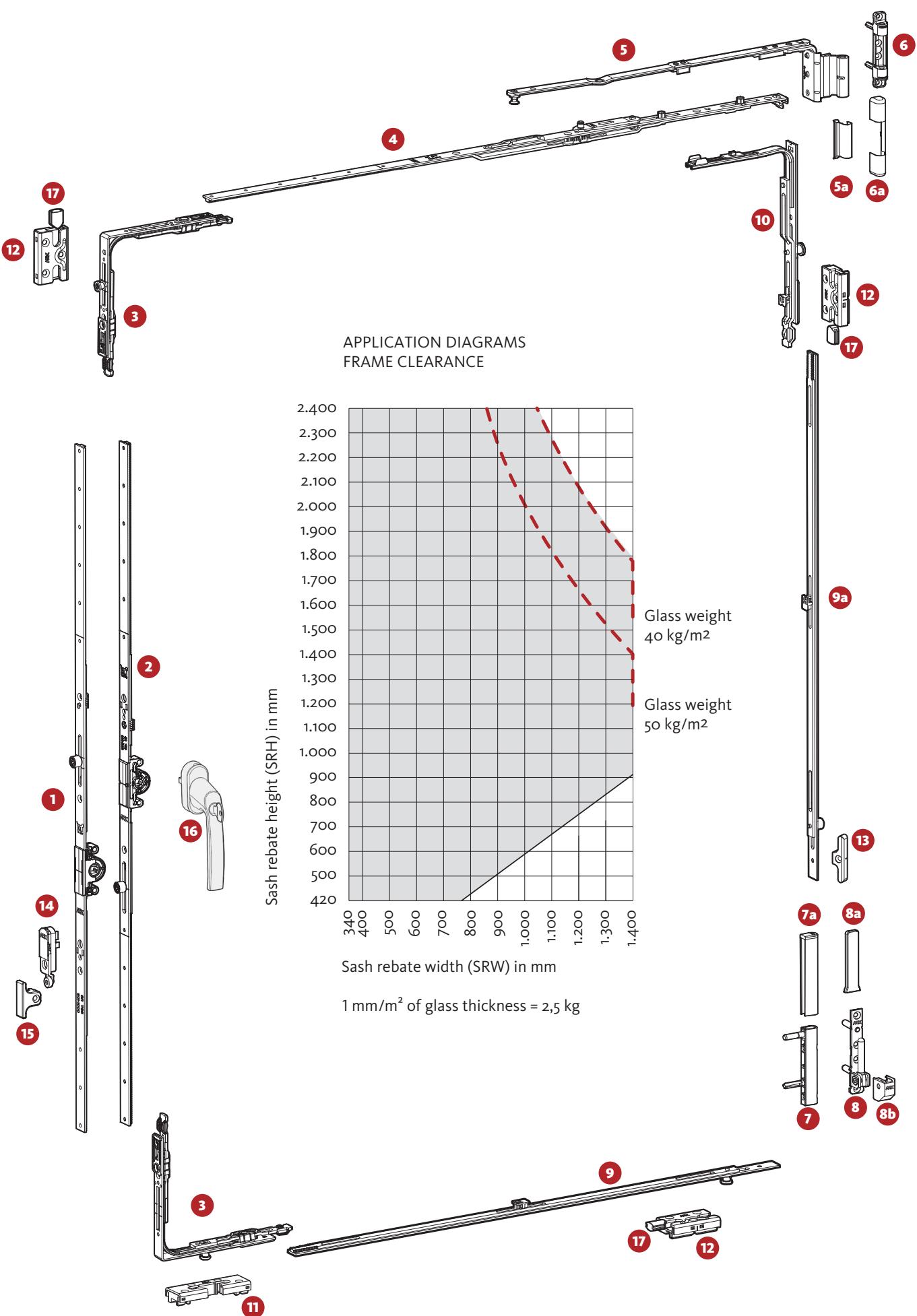
¹⁾ Mishandling device not available

* 4 safety locking points,
* lockable handle is necessary,
* groove spacer is necessary,

* for second sash RC1, see pages 24, 25,

* for double sash window, position the RS cam on the upper corner drive into vertical position.

Parts review

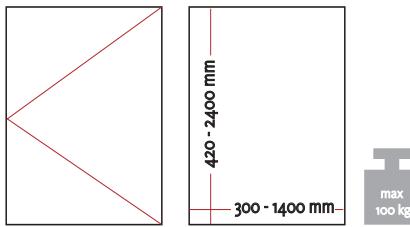


TURN Hardware

Centered / variable Handle Height

1 T&T ESPAGNOLETTE M BS 14,5 mm

Sash rebate height	Handle height	Lenght	Material Nr.
420 - 620 ¹⁾	210 - 310	340	1083117
600 - 1000	300 - 500	720	1 R 1088473
900 - 1400	450 - 700	1120	1 R 1098964
1401 - 1800	701 - 900	1520	1 R 1098965
1601 - 2000	801 - 1000	1720	2 R 1098966
2001 - 2400	1001 - 1200	2120	2 R 1098967



2 ESPAGNOLETTE M BS 14,5 mm

Sash rebate height	Handle height	Lenght	Material Nr.
180 - 250 ¹⁾	90 - 125	180	1 R 1083163
251 - 500 ¹⁾	126 - 250	500	1 R 1083164
501 - 900	251 - 450	900	2 R 1083165
901 - 1400	451 - 700	1400	3 R 1083166
1401 - 1900	701 - 950	1900	4 R 1083167
1901 - 2400	951 - 1200	2400	4 R 1083168

13 CORNER PIVOT REST 100 kg 1083247

13a CORNER PIVOT REST Ø6 130 kg 1105596

13b COVER CAP CORNER PIVOT REST - flat SEE PAGE 58

13c COVER CAP CORNER PIVOT REST SEE PAGE 58

14 STRIKER SEE PAGE 64

15 MISHANDLING DEVICE - sash 1093907

3 MISHANDLING DEVICE - frame SEE PAGE 65

4 TILT LOCK BOLT 140 1 R 1102394

5 TILT LOCK BOLT 140/90 1 R 1102395

6 CENTRE LOCK

Sash rebate width	Type/Lenght	Material Nr.
801 - 1200	500 - 550	2 R 1083058
1201 - 1400	800 - 850	2 R 1083059

7 REBATE STAY ARM

SYSTEM	Pos	Material Nr.
12/20-9	L	1083265
	R	1083264
12/20-13	L	1083263
	R	1083262
12/22-13	L	1083266
	R	1083267

7a COVER CAP STAY ARM SEE PAGE 58

8 STAY BEARING 100 kg with pin 1083250

8a STAY BEARING Ø6 130 kg with pin 1105598

8b COVER CAP STAY BEARING SEE PAGE 58

9 CENTRE STRIKER 1083304

9a CENTRE STRIKER CAP - sash SEE PAGE 64

9b CENTRE STRIKER CAP - frame SEE PAGE 64

10 CONCEALED STRIKER CLOSER - sash 1083296

11 CONCEALED STRIKER CLOSER - frame SEE PAGE 66

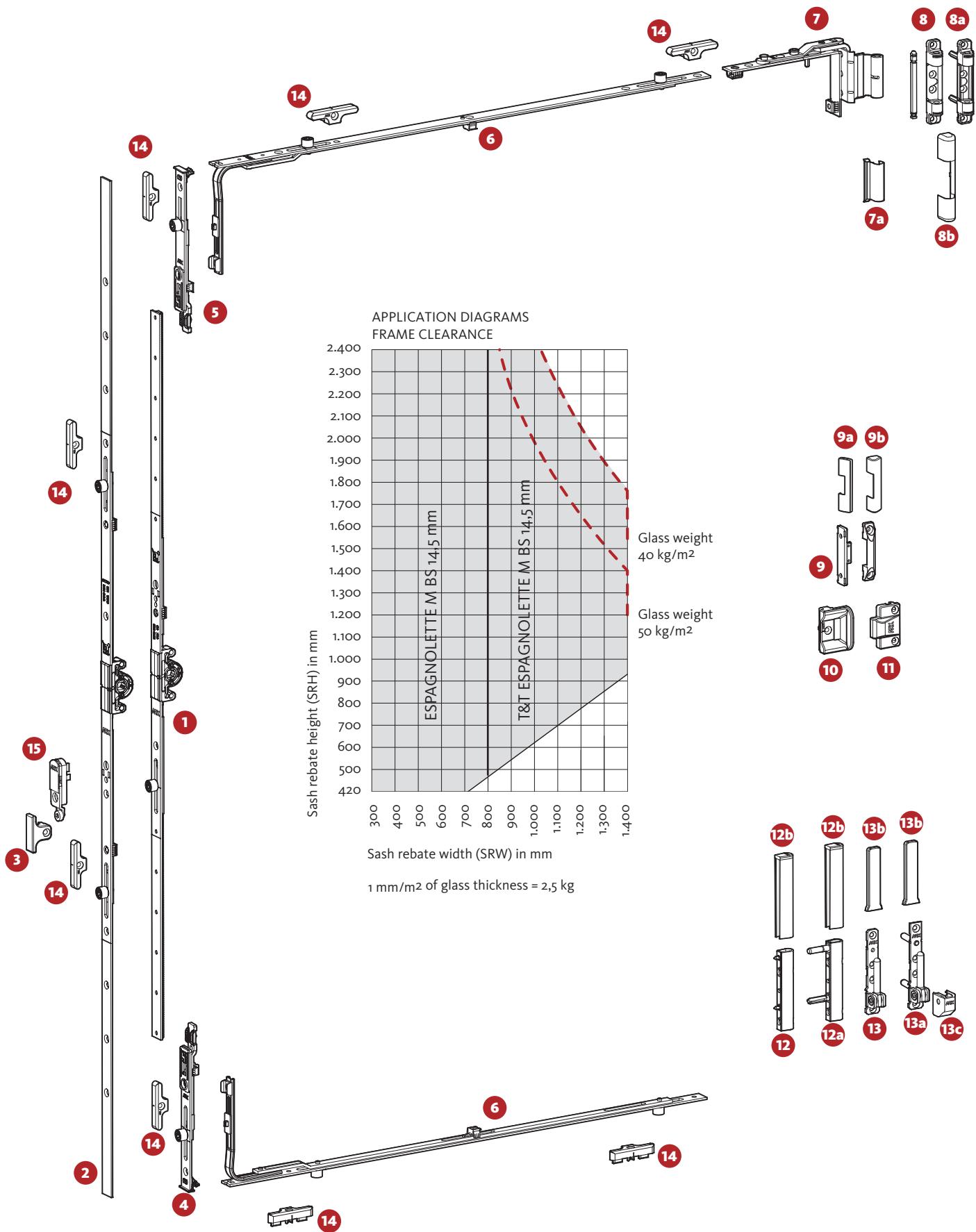
12 CORNER HINGE 100 kg 1083241

12a CORNER HINGE Ø6 130 kg 1083242

12b COVER CAP CORNER HINGE SEE PAGE 58

¹⁾ Mishandling device not available

Parts review

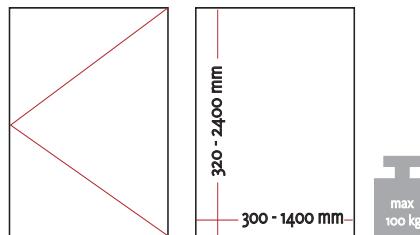


TURN Hardware

Fixed Handle Height

1 T&T ESPAGNOLETTE BS 14,5 mm

Sash rebate height	Handle height	Lenght	Material Nr.
320 - 460 ¹⁾	120	320	1083081
461 - 600	170	460	1083082
601 - 800	263	660	1083083
801 - 1000	413	860	1083084
801 - 1000	413	860	1 R 1083085
1001 - 1200	513	1060	1 R 1083086
1201 - 1400	563	1260	1 R 1083087
1401 - 1600	563	1460	1 R 1083088
1601 - 1800	563	1660	1 R 1083089
1601 - 1800	1000	1660	1 R 1083090
1801 - 2000	1000	1860	2 R 1083091
2001 - 2200	1000	2060	2 R 1083092
2201 - 2400	1000	2260	2 R 1083093
2201 - 2400	1000	2260	2 R 1083093



8 STAY BEARING 100 kg with pin 1083250

8a STAY BEARING Ø6 130 kg with pin 1105598

8b COVER CAP STAY BEARING SEE PAGE 58

9 CENTRE STRIKER 1083304

9a CENTRE STRIKER CAP - sash SEE PAGE 64

9b CENTRE STRIKER CAP - frame SEE PAGE 64

10 CONCEALED STRIKER CLOSER - sash 1083296

11 CONCEALED STRIKER CLOSER - frame SEE PAGE 66

12 CORNER HINGE 100 kg 1083241

12a CORNER HINGE Ø6 130 kg 1083242

12b CORNER CAP CORNER HINGE SEE PAGE 58

13 CORNER PIVOT REST 100 kg 1083247

13a CORNER PIVOT REST Ø6 130 kg 1105596

13b COVER CAP CORNER PIVOT REST-flat SEE PAGE 58

13c COVER CAP CORNER PIVOT REST SEE PAGE 58

14 STRIKER SEE PAGE 64

2 ESPAGNOLETTE BS 14,5 mm

Sash rebate height	Handle height	Lenght	Material Nr.
400 - 500 ¹⁾	170	500	2 R 1083129
501 - 600	170	600	2 R 1083130
601 - 700	263	700	2 R 1083131
701 - 800	263	800	2 R 1083132
801 - 900	413	900	2 R 1083133
901 - 1000	413	1000	2 R 1083134
1001 - 1100	513	1100	3 R 1083135
1101 - 1200	513	1200	3 R 1083136
1201 - 1300	563	1300	3 R 1083137
1301 - 1400	563	1400	3 R 1083138
1401 - 1500	563	1500	3 R 1083139
1501 - 1600	563	1600	3 R 1083140
1601 - 1700	563	1700	3 R 1083141
1701 - 1800	563	1800	4 R 1083142
1801 - 2000	1000	2000	4 R 1083143
2001 - 2200	1000	2200	4 R 1083144
2201 - 2400	1000	2400	4 R 1083145

3 MISHANDLING DEVICE - sash 1093907

4 MISHANDLING DEVICE - frame SEE PAGE 65

5 TILT LOCK BOLT 140/90 1 R 1102395

6 CENTRE LOCK

Sash rebate width	Type/Lenght	Material Nr.
801 - 1200	500 - 550	2 R 1083058
1201 - 1400	800 - 850	2 R 1083059

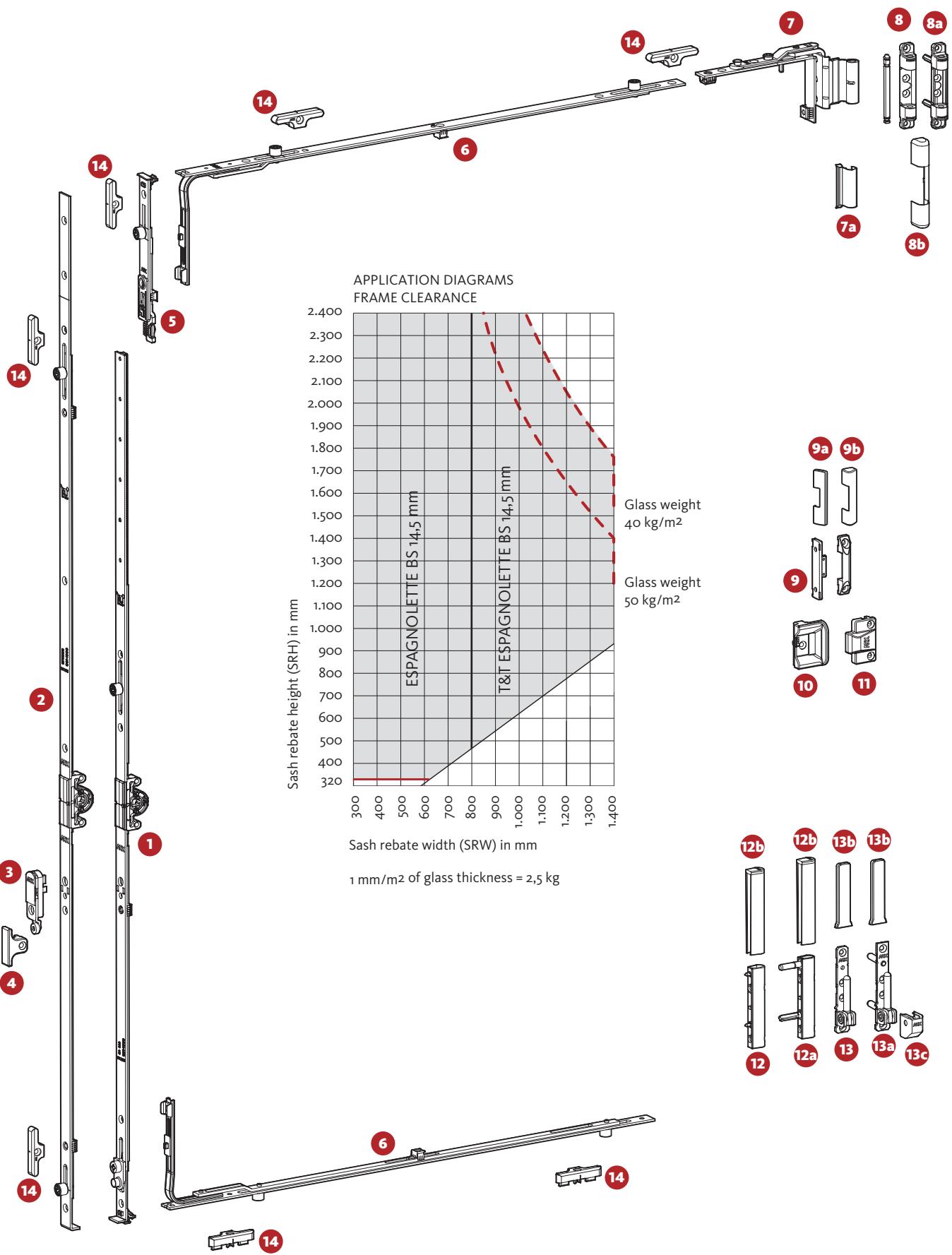
7 REBATE STAY ARM

SYSTEM	Pos.	Material Nr.
12/20-9	L	1083265
12/20-9	R	1083264
12/20-13	L	1083263
12/20-13	R	1083262
12/22-13	L	1083266
12/22-13	R	1083267

7a COVER CAP STAY ARM SEE PAGE 58

¹⁾ Mishandling device not available

Parts review

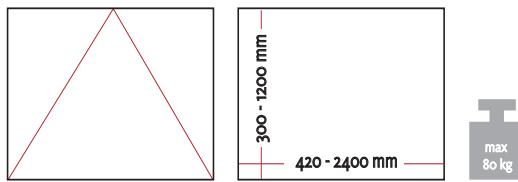


TILT Hardware

Centered / variable Handle Width

1 ESPAGNOLETTE M BS 14,5 mm

Sash rebate width	Handle width	Lenght	Material Nr.
180 - 250	90 - 125	180	1 R 1083163
251 - 500	126 - 250	500	1 R 1083164
501 - 900	251 - 450	900	2 R 1083165
901 - 1400	451 - 700	1400	3 R 1083166
1401 - 1900	701 - 950	1900	4 R 1083167
1901 - 2400	951 - 1200	2400	4 R 1083168



2 T&T ESPAGNOLETTE M BS 14,5 mm

Sash rebate width	Handle width	Lenght	Material Nr.
420 - 620	210 - 310	340	1083117
600 - 1000	300 - 500	720	1 R 1088473
900 - 1400	450 - 700	1120	1 R 1098964
1401 - 1800	701 - 900	1520	1 R 1098965
1601 - 2000	801 - 1000	1720	2 R 1098966
2001 - 2400	801 - 1000	2120	2 R 1098967

3 TILT LOCK BOLT 140

1 R 1102394

4 TILT LOCK BOLT 140/90

1 R 1102395

5 CENTRE LOCK

Sash rebate height	Type/Lenght	Material Nr.
801 - 1200	500 - 550	2 R 1083058

6 REBATE CENTRE HINGE 12/20-9 adjustable

1083269

REBATE CENTRE HINGE 12/20-13 adjustable

1083268

REBATE CENTRE HINGE 12/22-13 adjustable

1083270

6a COVER CAP STAY ARM

SEE PAGE 58

7 STAY BEARING 100 kg with pin

1083250

7a COVER CAP STAY BEARING

SEE PAGE 58

8 STRIKER

SEE PAGE 64

9 TILT STAY GROOVE ¹⁾

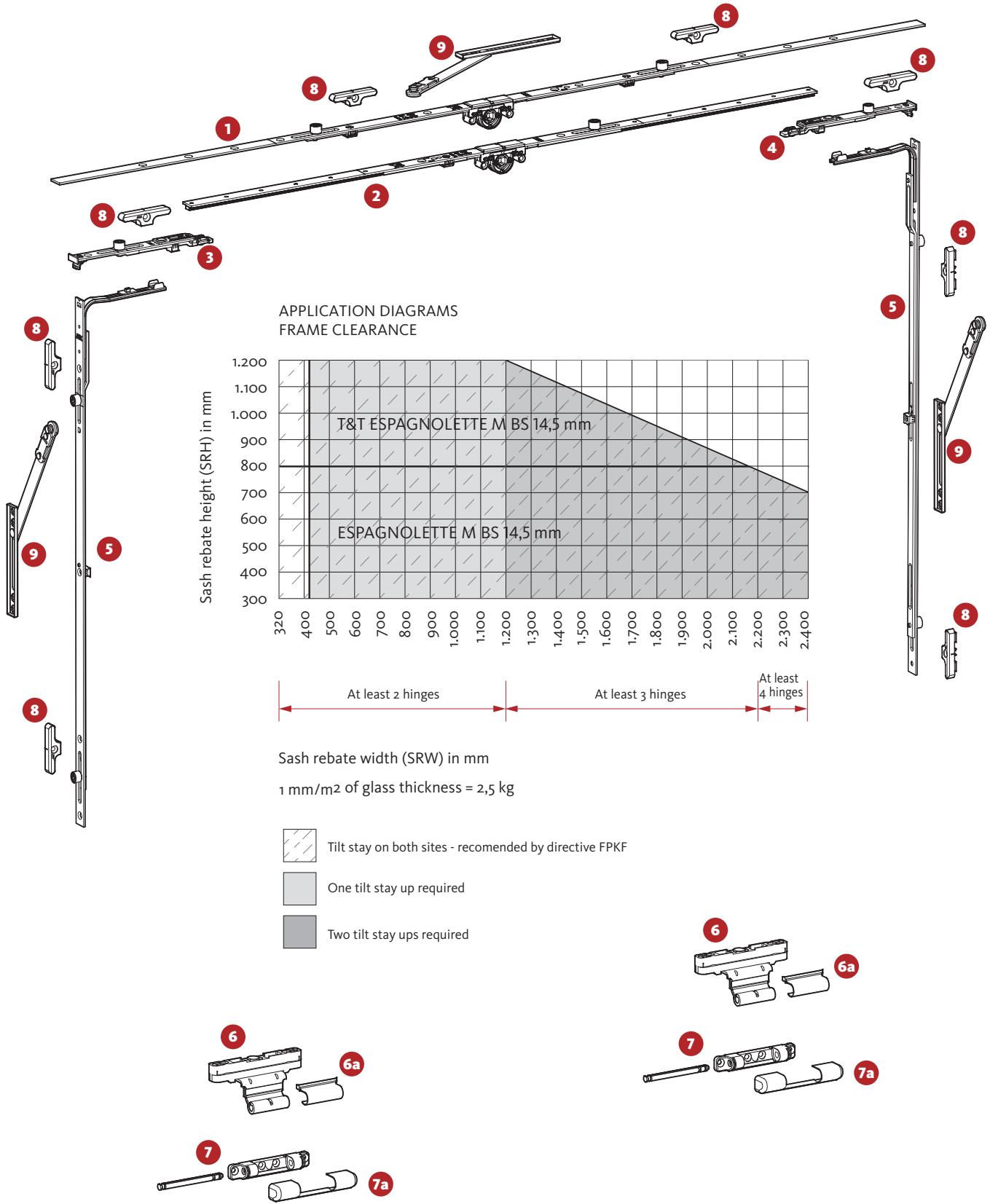
1099154

TILT STAY

1099152

¹⁾ Without sheme

Parts review

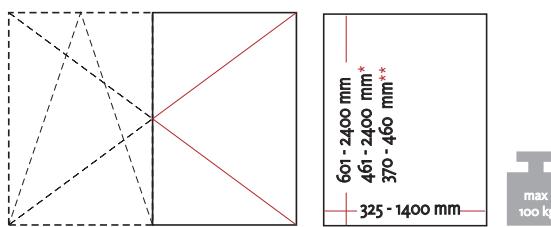


TURN Hardware Second Sash

Fixed & Centered / Variable Handle Height

1 FRENCH WINDOW ESPAGNOLETTE - Fixed handle-height-OHG

Sash rebate height	Handle height	Lenght	Material Nr.
601 - 800 ³⁾	335	660	1083174
801 - 1000	490	860	1 R 1083175
1001 - 1200	335	1060	1 R 1083176
1201 - 1400	335	1260	1 R 1083177
1401 - 1600	335	1460	1 R 1083178
1601 - 1800	335	1660	1 R 1083179
1801 - 2000	640	1860	2 R 1083180
2001 - 2200	640	2060	2 R 1083181
2201 - 2400	640	2260	2 R 1083182



2 FRENCH WINDOW ESPAGNOLETTE M Centered/Variabile handle-height-OHG ²⁾

Sash rebate height	Handle height	Lenght	Material Nr.
500 - 680 ³⁾	290 - 380	400	1098116
600 - 1000 ³⁾	387 - 586	720	1 R 1098120
800 - 1000 ³⁾	587 - 686	720	1 R 1098121
900 - 1400	350 - 550	1120	1 R 1098122
900 - 1400	350 - 550	1120	2 R 1099308
1401 - 1800 ⁴⁾	350 - 550	1520	1 R 1098123
1801 - 2000 ⁴⁾	350 - 550	1720	2 R 1098124
2001 - 2400 ⁴⁾	350 - 550	2120	2 R 1098125

8 CORNER PIVOT REST 100 Kg 1083247

8a CORNER PIVOT REST Ø6 130 Kg 1105596

8b COVER CAP CORNER PIVOT REST - flat SEE PAGE 58

8c COVER CAP CORNER PIVOT REST SEE PAGE 58

9 STRIKER SEE PAGE 64

10 STRIKER - second sash SEE PAGE 61

11 STRIKER OHG 1083207

11a ADDITIONAL STRIKER FOR FR. WIN. ESP. ⁴⁾ 1100213

12 CENTRE STRIKER 1083304

12a CENTRE STRIKER CAP - sash SEE PAGE 64

12b CENTRE STRIKER CAP - frame SEE PAGE 64

13 CONCEALED STRIKER CLOSER - sash 1083296

14 CONCEALED STRIKER CLOSER - frame SEE PAGE 66

15 MISHANDLING DEVICE

FRAME OHG FOR FRENCH WIN. ESPAGNOLETE 1083295
MISHANDLING DEVICE - OHG 1083293

16 CENTRE LOCK

Sash rebate width	Type/Lenght	Material Nr.
801 - 1200	500/550	2 R 1083058
1201 - 1400	800/850	2 R 1083059

17 CENTRE LOCK

Sash rebate width	Type/Lenght	Material Nr.
801 - 1200	400	1 R 1083061
1201 - 1400	600	1 R 1083062

2a T&T EXTENSION FRENCH ESPAGNOLETTTE M11 mm 1102621

3a T&T SHOOTBOLT ¹⁾ 1083252

3b SHOOTBOLT WITH STRIKER ¹⁾ 1083253

3c SHOOTBOLT WITHOUT STRIKER 1083254

3d SHOOTBOLT 140/11 ⁵⁾ 1103211

4 CORNER DRIVE 1 R 1103158

5 REBATE STAY ARM

SYSTEM	Pos.	Material Nr.
12/20-9	L	1083265
	R	1083264
12/20-13	L	1083263
	R	1083262
12/22-13	L	1083266
	R	1083267

5a COVER CAP STAY ARM SEE PAGE 58

6 STAY BEARING 100 kg with pin 1083250

6a STAY BEARING Ø6 130 kg with pin 1105598

6b COVER CAP STAY BEARING SEE PAGE 58

7 CORNER HINGE 100 Kg 1083241

7a CORNER HINGE Ø6 130 Kg 1083242

7b COVER CAP CORNER HINGE SEE PAGE 58

* with 3a (T&T Shootbolt) and 3b (Shootbolt with striker)

** with 3a (T&T Shootbolt) and 3c (Shootbolt without striker)

1) 3a, 3b is possible to connect with centre lock **16**

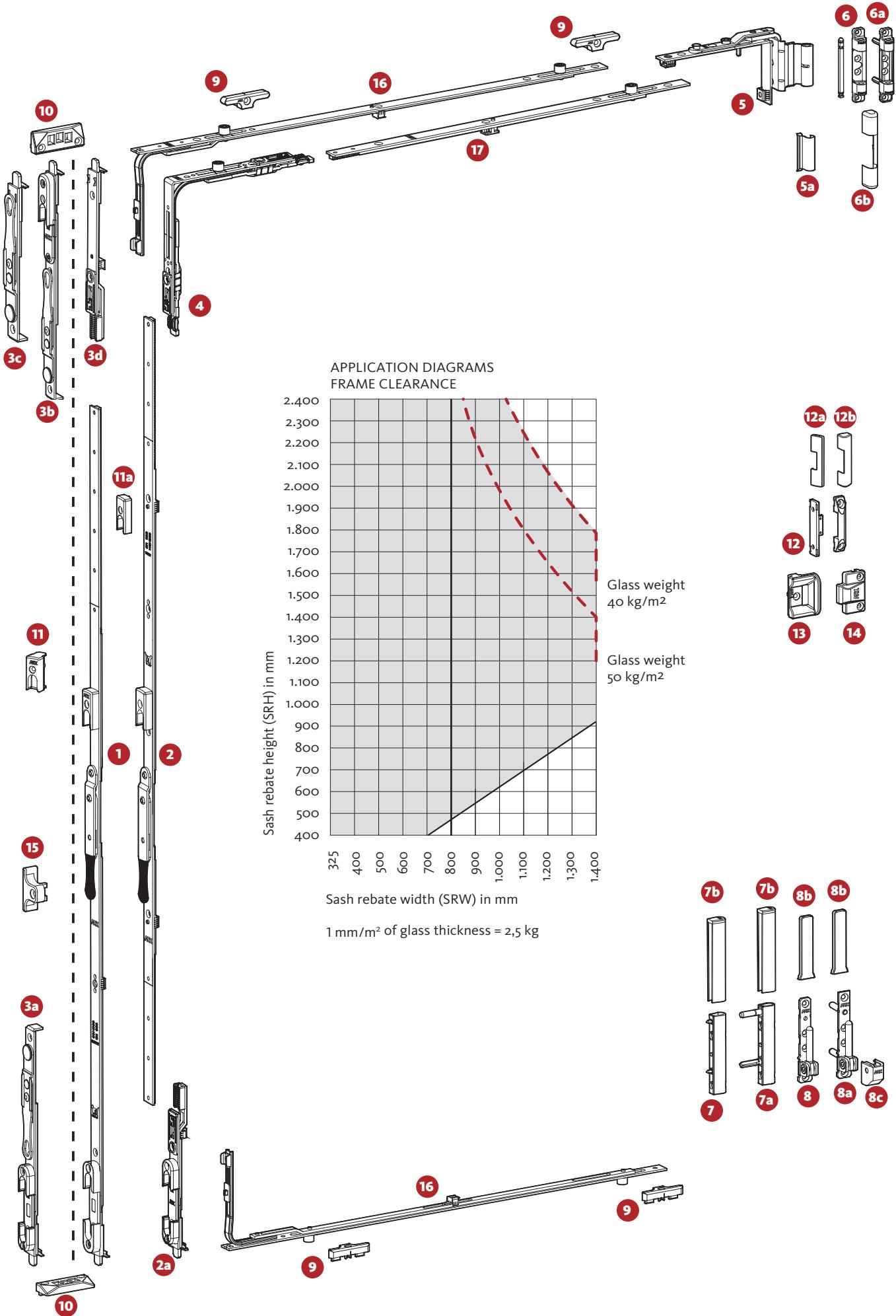
2) Compatible with T&T espagnolette M, Backset 14,5 mm

3) Mishandling device not available

4) For French window espagnolette with additional locking cam.
Striker 1100213 can be installed onto French window espagnolette.

5) Used for second sash with width up to 800 mm.

Parts review

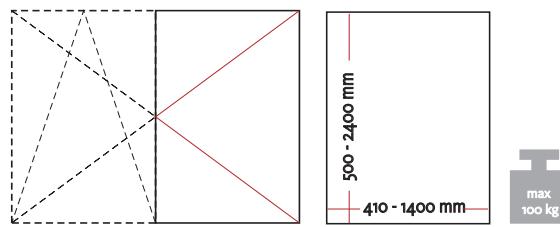


TURN Hardware Second Sash

Fixed & Centered / Variable Handle Height - RC 1 SECURITY

1 T&T FRENCH WINDOW ESPAGNOLETTE KV - Fixed HH

Sash rebate height	Handle height	Lenght	Material Nr.
550 - 690 ¹⁾	230	410	1118420
601 - 800	335	520	1118421
801 - 1000	490	720	1 R 1118423
1001 - 1200	335	920	1 R 1118424
1201 - 1400	335	1120	1 R 1118425
1401 - 1600	335	1320	1 R 1118426
1601 - 1800	335	1520	1 R 1118427
1801 - 2000	640	1720	1 R 1118428
2001 - 2200	640	1920	2 R 1118429
2201 - 2400	640	2120	2 R 1118430



2 T&T FRENCH WINDOW ESPAGNOLETTE M - Centered / variable HH

Sash rebate height	Handle height	Lenght	Material Nr.
500 - 680 ¹⁾	290 - 380	400	1098116
600 - 1000 ¹⁾	387 - 586	720	1 R 1098120
800 - 1000 ¹⁾	587 - 686	720	1 R 1098121
900 - 1400	350 - 550	1120	1 R 1098122
900 - 1400	350 - 550	1120	2 R 1099308
1401 - 1800	350 - 550	1520	1 R 1098123
1801 - 2000	350 - 550	1720	2 R 1098124
2001 - 2400	350 - 550	2120	2 R 1098125

3 CORNER DRIVE

1 RS 1100983

4 SASH STAY GUIDE - Turn only

Sash rebate width	Type/Lenght	Material Nr.
410 - 610	250 / 470	1105855
611 - 810	350 / 670	1105856
811 - 1010	500 / 870	1105857
1011 - 1211	350 / 670 + 400	1105856+1102897
1211 - 1400	500 / 870 + 400	1105857+1102897

5 STAY ARM

SYSTEM 12/20-13

Sash rebate width	Type/Lenght	Material Nr.
410 - 610	250	L 1083016
410 - 610	250	R 1083017
611 - 810	350	L 1083018
611 - 810	350	R 1083019
811 - 1400	500	L 1083020
811 - 1400	500	R 1083021

5a COVER CAP STAY ARM

SEE PAGE 58

6 STAY BEARING Ø6 130 kg with pin

1105598

6a COVER CAP STAY BEARING

SEE PAGE 58

7 CORNER HINGE Ø6 130 kg

1083242

7a COVER CAP CORNER HINGE

SEE PAGE 58

8 CORNER PIVOT REST Ø6 130 kg

1105596

8a COVER CAP CORNER PIVOT REST-flat

SEE PAGE 58

8b COVER CAP CORNER PIVOT REST

SEE PAGE 58

9 CENTRE LOCK

Sash rebate width	Lenght	Material Nr.
410 - 540	200 1 R	1101005
541 - 740	400 1 R	1101006
741 - 940	600 1 R	1101012
941 - 1140	600 EX 1 R + 200 1 R	1102900+1101005
1141 - 1340	600 EX 1 R + 400 1 R	1102900+1101006
1341 - 1400	600 EX 1 R + 600 1 R	1102900+1101012

9a CENTRE LOCK

Sash rebate height	Lenght	Material Nr.
800 - 1200	400 1 R	1083061
1201 - 1600	600 1 R	1083062
1601 - 2000	600 EX 1 R + 600 1 R	1102900+1083062
2001 - 2200	2 x 600 EX 1 R + 400 1 R	2x1102900+1083061
2201 - 2400	2 x 600 EX 1 R + 600 1 R	2x1102900+1083062

10 T&T CORNER DRIVE 180

1 RS 1100987

11 SECURITY STRIKER

SEE PAGE 63

12 STRIKER

SEE PAGE 64

13 MISHANDLING DEVICE - for espagnolette

1083295

14 GROOVE SPACER

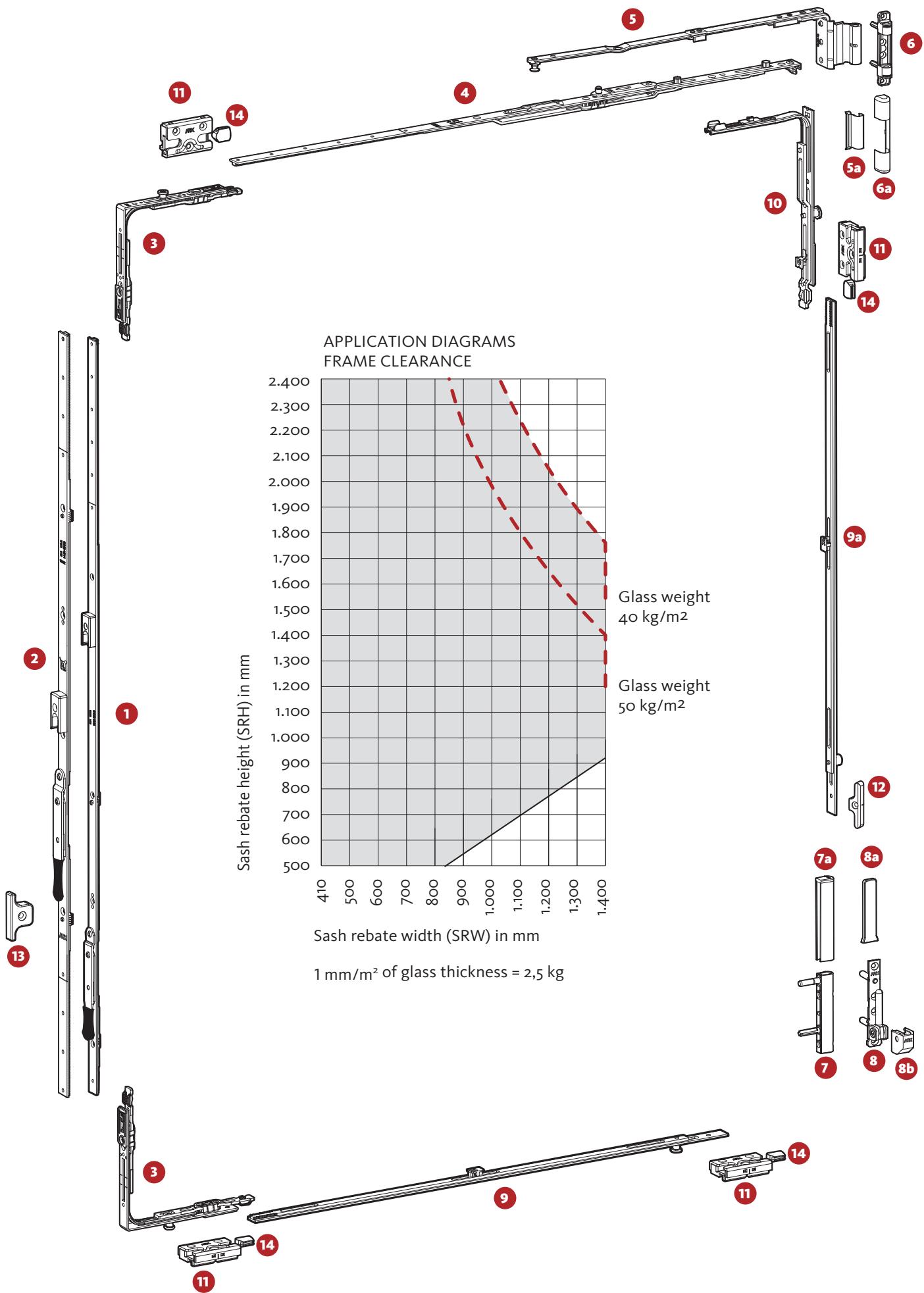
1116028

¹⁾ Mishandling device not available

* 4 safety locking points,
* groove spacer is necessary.

* for primary sash RC1, see pages 14, 15.

Parts review

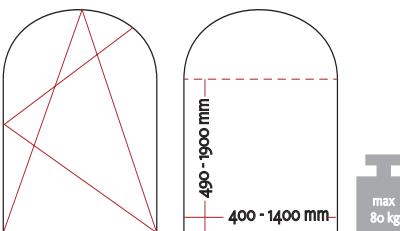


TURN & TILT Hardware - ARCHED

Centered / variable Handle Height

1 T&T ESPAGNOLETTE M BS 14,5 mm

Sash rebate height	Handle height	Lenght	Material Nr.
490 - 620 ¹⁾	245 - 310	340	1083117
600 - 1000	300 - 500	720	1 R 1088473
900 - 1400	450 - 700	1120	1 R 1098964
1401 - 1800	701 - 900	1520	1 R 1098965
1601 - 1900	801 - 1000	1720	2 R 1098966



2 CORNER DRIVE

1 RS 1100983

3 CENTRE LOCK ARCHED WINDOW

Sash rebate width	Type/Lenght	Material Nr.
801 - 1400	590	2 R 1103143

4 SET / ARCHED WINDOW

SYSTEM	Pos.	Material Nr.
12/20-9 ²⁾	L/R	1 R 1103144
12/20-13 ²⁾	L/R	1 R 1103147
12/22-13 ²⁾	L/R	1 R 1103148

4a COVER CAP STAY ARM

SEE PAGE 58

5 STAY BEARING 100 kg with pin

1083250

5a COVER CAP STAY BEARING

SEE PAGE 58

6 CENTRE LOCK PITCHED / ARCHED - vertical

Sash rebate height	Type/Lenght	Material Nr.
490 - 700	380	1083071
701 - 900	580	1 R 1083072
901 - 1100	780	1 R 1083073
1101 - 1300	980	1 R 1083074
1301 - 1500	1180	2 R 1083075
1501 - 1700	1380	2 R 1084924
1701 - 1900	1580	2 R 1084925

7 CORNER DRIVE 140 mm

1 R 1103166

8 CORNER HINGE Ø6 130 kg

1083242

8a COVER CAP CORNER HINGE

SEE PAGE 58

9 CORNER PIVOT REST

1083247

9a COVER CAP CORNER PIVOT REST - flat

SEE PAGE 58

9b COVER CAP CORNER PIVOT REST

SEE PAGE 58

10 CENTRE LOCK PITCHED / ARCHED - horizontal

Sash rebate width	Type/Lenght	Material Nr.
400 - 650	370	1083076
651 - 900	620	1 R 1083077
901 - 1150	870	1 R 1083078
1151 - 1400	1120	2 R 1083079

11 T&Ti STRIKER SECURITY

SEE PAGE 62

12 STRIKER

SEE PAGE 64

13 MISHANDLING DEVICE - sash

1093907

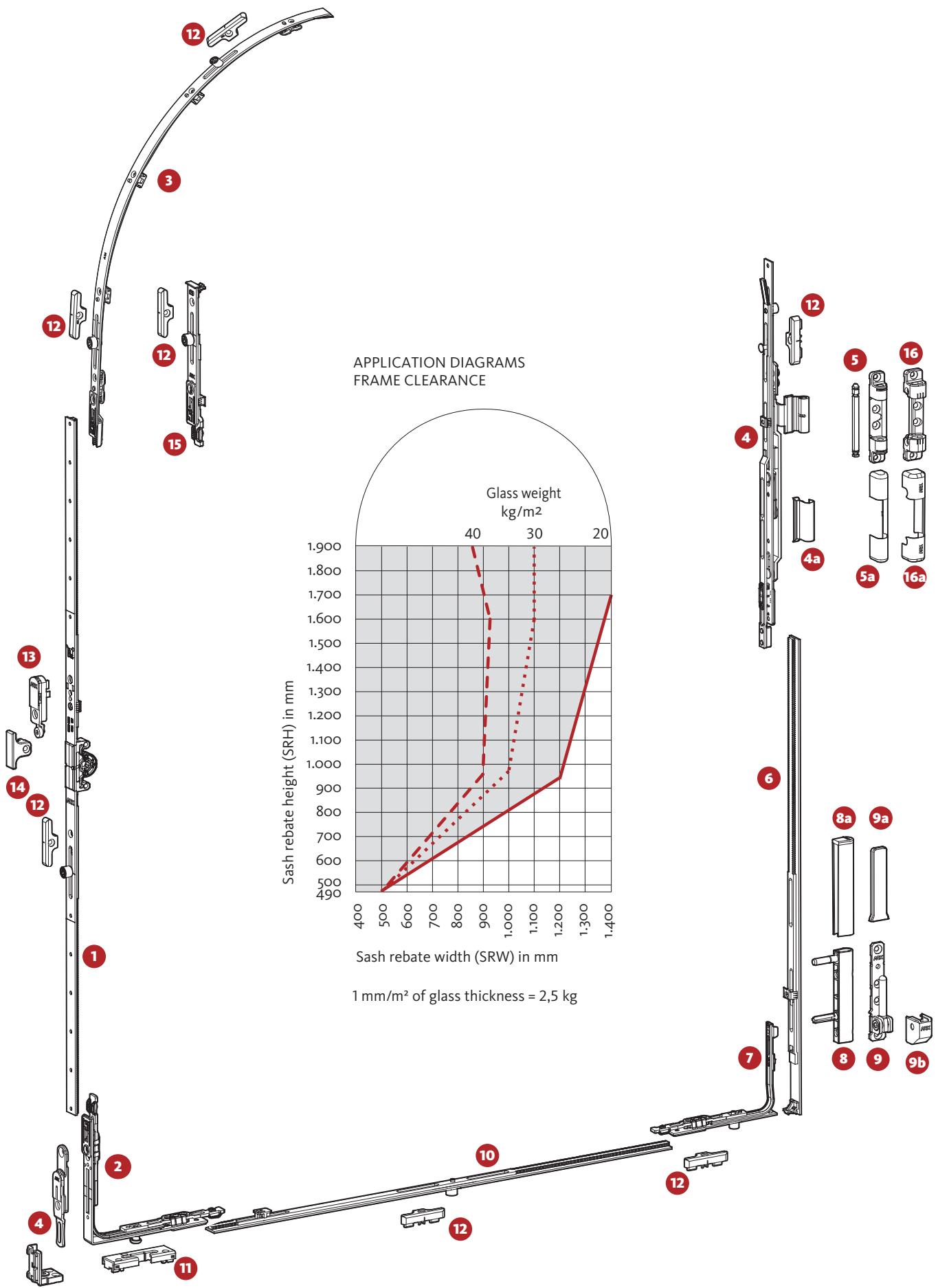
14 MISHANDLING DEVICE - frame

SEE PAGE 65

¹⁾ Mishandling device not available

²⁾ SET PITCHED / ARCHED - see page 50.

Parts review

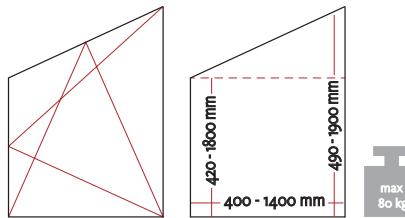


TURN & TILT Hardware - PITCHED

Centered / variable Handle Height

1 T&T ESPAGNOLETTE M BS 14,5 mm

Sash rebate height	Handle height	Lenght	Material Nr.
420 - 620 ¹⁾	245 - 310	340	1083117
600 - 1000	300 - 500	720	1 R 1088473
900 - 1400	450 - 700	1120	1 R 1098964
1401 - 1800	701 - 900	1520	1 R 1098965



2 CORNER DRIVE 140 mm

1 R 1103166

3 CORNER DRIVE

1 RS 1100983

4 SET / ARCHED WINDOW

SYSTEM	Pos.	Material Nr.
12/20-9 ²⁾	L/R	1 R 1103144
12/20-13 ²⁾	L/R	1 R 1103147
12/22-13 ²⁾	L/R	1 R 1103148

4a COVER CAP STAY ARM

SEE PAGE 58

5 STAY BEARING 100 kg with pin

1083250

5a COVER CAP STAY BEARING

SEE PAGE 58

6 CENTRE LOCK PITCHED / ARCHED - vertical

Sash rebate height	Type/Lenght	Material Nr.
490 - 700	380	1083071
701 - 900	580	1 R 1083072
901 - 1100	780	1 R 1083073
1101 - 1300	980	1 R 1083074
1301 - 1500	1180	2 R 1083075
1501 - 1700	1380	2 R 1084924
1701 - 1900	1580	2 R 1084925

7 CENTRE LOCK

Sash rebate width	Type/Lenght	Material Nr.
801 - 1200	400	1 R 1083061
1201 - 1400	600	1 R 1083062

8 CORNER HINGE Ø6 130 kg

1083242

8a COVER CAP CORNER HINGE

SEE PAGE 58

9 CORNER PIVOT REST

1083247

9a COVER CAP CORNER PIVOT REST - flat

SEE PAGE 58

9b COVER CAP CORNER PIVOT REST

SEE PAGE 58

10 CENTRE LOCK PITCHED / ARCHED - horizontal

Sash rebate width	Type/Lenght	Material Nr.
400 - 650	370	1083076
651 - 900	620	1 R 1083077
901 - 1150	870	1 R 1083078
1151 - 1400	1120	2 R 1083079

11 T&Ti STRIKER SECURITY

SEE PAGE 62

12 STRIKER

SEE PAGE 64

13 MISHANDLING DEVICE - sash

1093907

14 MISHANDLING DEVICE - frame

SEE PAGE 65

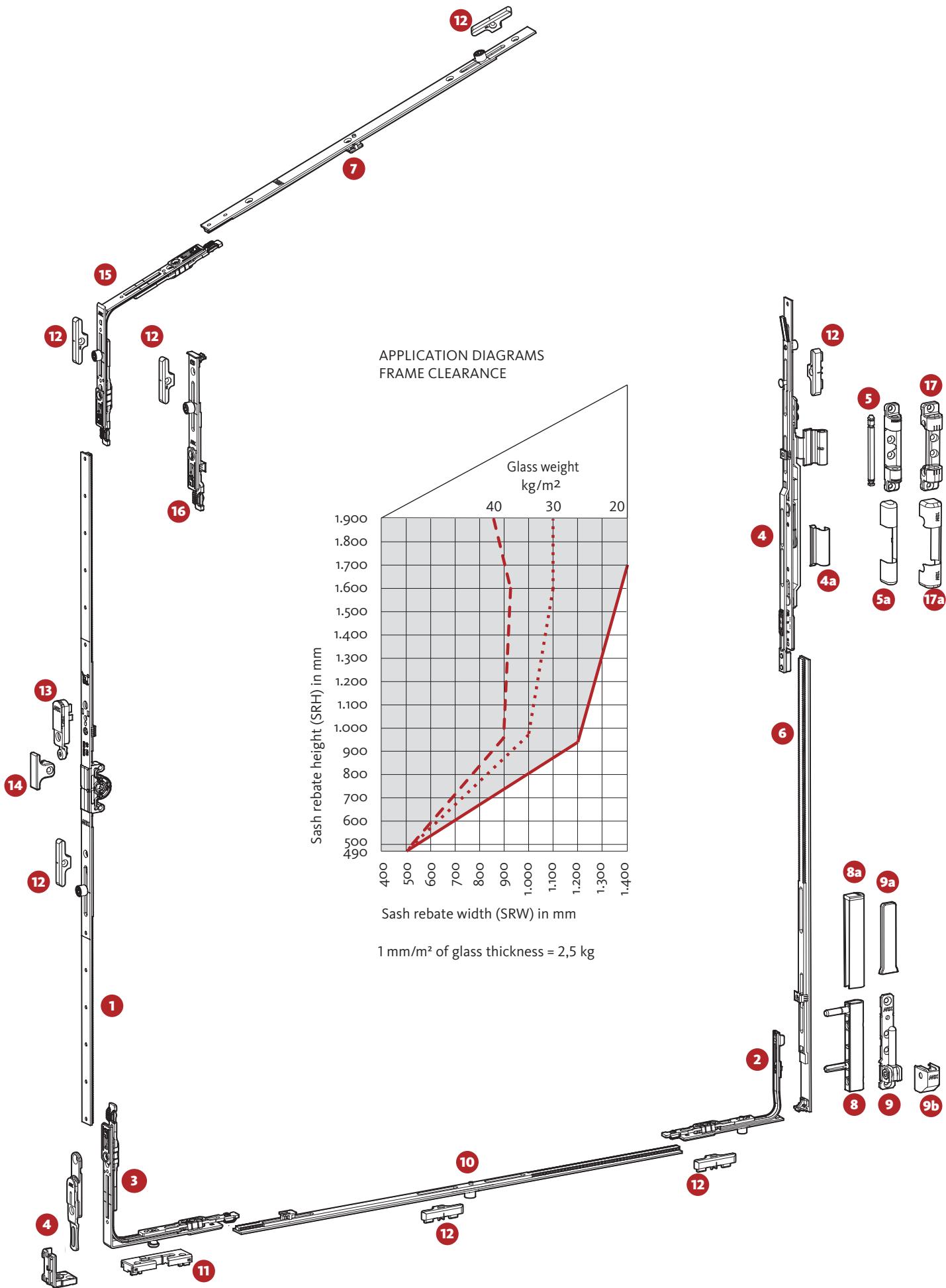
15 CORNER DRIVE - TRAPEZE

Sash rebate width	Material Nr.
801 - 1400	1 R 1103163

¹⁾ Mishandling device not available

²⁾ SET PITCHED / ARCHED - see page 50.

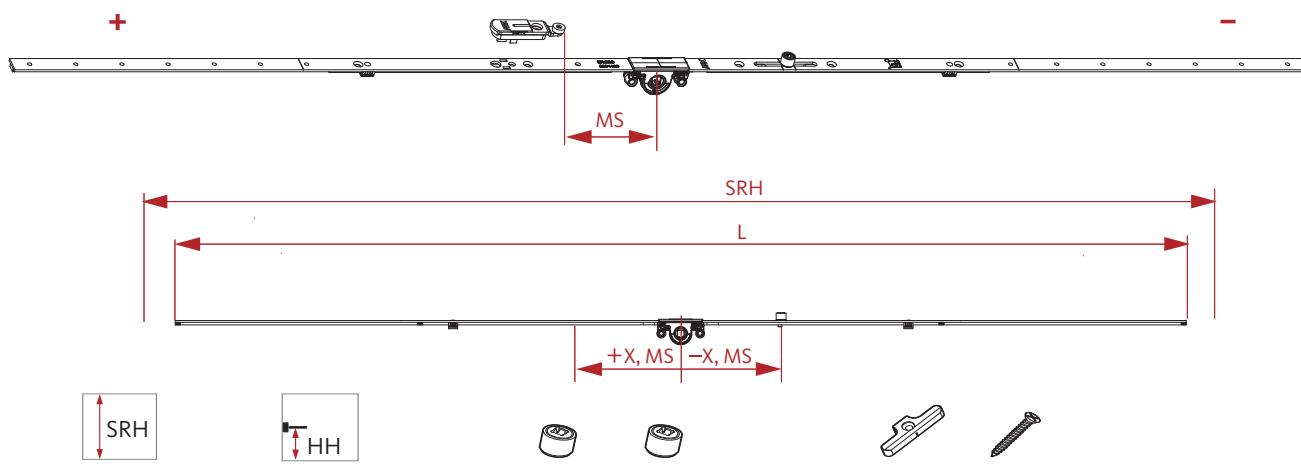
Parts review



T&T ESPAGNOLETTE M

Centered / variable Handle Height

Backset 14,5 mm



Backset 14,5 mm, additional locking

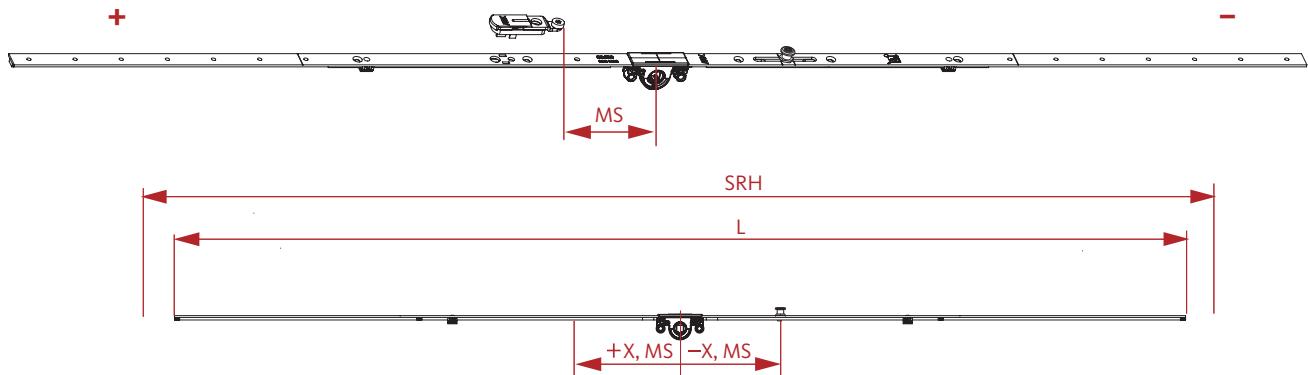
(mm)	(mm)	L (mm)	x (mm)	x (mm)	x (mm)	MS (mm)	Pack.	Material Nr.			
900 - 1400	450 - 700	1120	•	-211	+209	•	+99,5	2	6	10	1098973
1401 - 1800	701 - 900	1520	•	-211	+209	•	+99,5	2	8	10	1098974
1601 - 2000	801 - 1000	1720	•	-311	+109	+559	-121,5	3	9	10	1098975
2001 - 2400	1001 - 1200	2120	-631	-311	+309	+629	-121,5	4	12	10	1098976

Backset 14,5 mm, security

(mm)	(mm)	L (mm)	x (mm)	x (mm)	MS (mm)	Pack.	Material Nr.	
600 - 1000	300 - 500	720	-111	•	+38,5	1	2	1101035
900 - 1400	450 - 700	1120	-111	•	+99,5	1	5	1101036
1401 - 1800	701 - 900	1520	-111	•	+99,5	1	7	1101037
1601 - 2000	801 - 1000	1720	-311	+309	-121,5	2	8	1101038
2001 - 2400	1001 - 1200	2120	-311	+309	-121,5	2	10	1101039

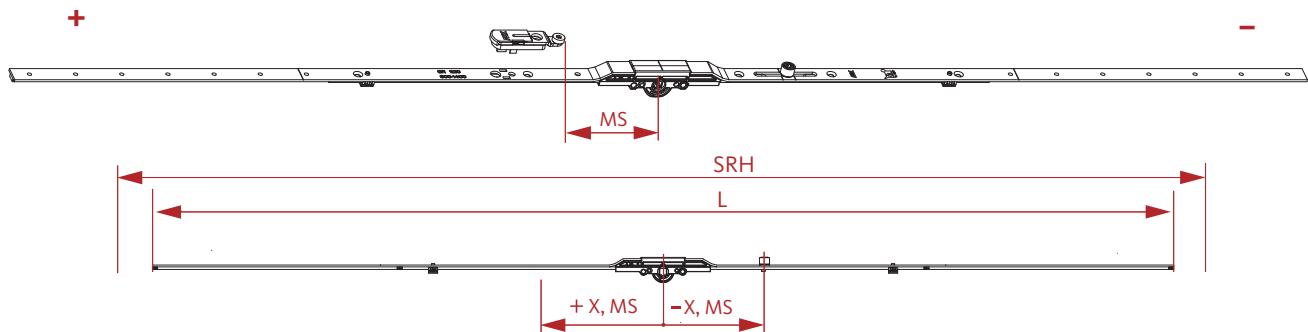
¹⁾ Mishandling device not available

Backset 14,5 mm, additional locking cam + security



SRH (mm)	HH (mm)	L (mm)	x (mm)	x (mm)	x (mm)	x (mm)	MS (mm)	Pack.	Material Nr.		
900 - 1400	450 - 700	1120	•	- 211	+ 209	•	+ 99,5	2	6	10	1105851
1401 - 1800	701 - 900	1520	•	- 211	+ 209	•	+ 99,5	2	8	10	1105852
1601 - 2000	801 - 1000	1720	•	- 311	+ 109	+ 559	- 121,5	3	9	10	1105853
2001 - 2400	1001 - 1200	2120	- 631	- 311	+ 309	+ 629	- 121,5	4	12	10	1105854

Backset 7,5 mm



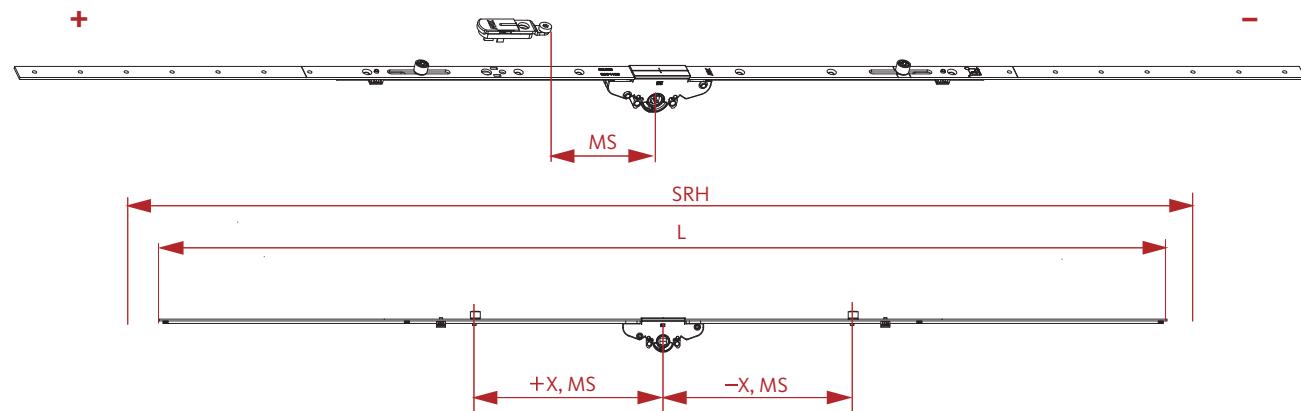
SRH (mm)	HH (mm)	L (mm)	x (mm)	x (mm)	MS (mm)	Pack.	Material Nr.	
420 - 820 ¹⁾	210 - 410	540	•	•	•	•	10	1083123
600 - 1000 ¹⁾	300 - 500	720	-111	•	•	1	2	1083124
900 - 1400	450 - 700	1120	-111	•	+ 99,5	1	5	1083125
1401 - 1800	701 - 900	1520	- 111	•	+ 99,5	1	7	1083126
1601 - 2000	801 - 1000	1720	- 311	+ 309	- 121,5	2	8	1083127
2001 - 2400	1001 - 1200	2120	- 311	+ 309	- 121,5	2	10	1083128

¹⁾ Mishandling device not available

T&T ESPAGNOLETTE M - larger backsets

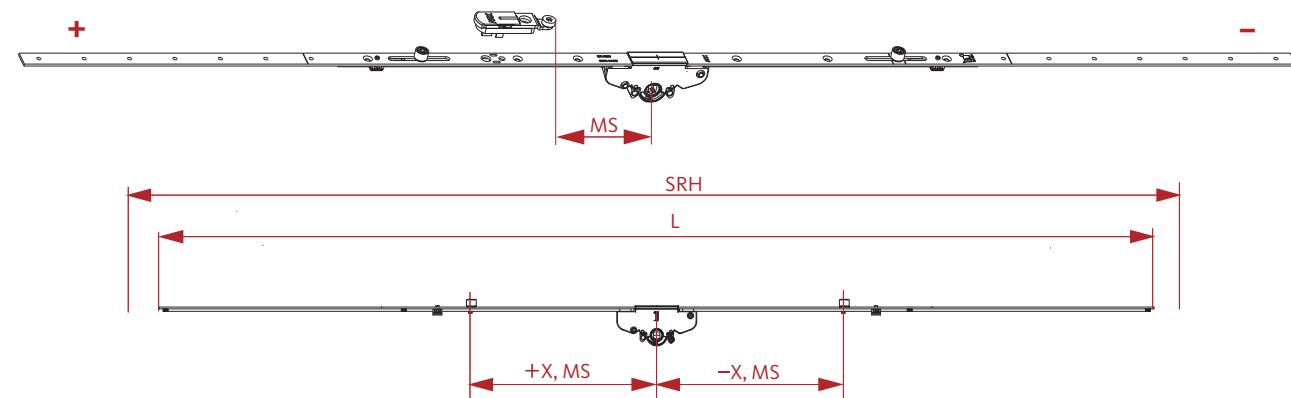
Centered / variable Handle Height

Backset 25 mm



(mm)	(mm)	L (mm)	x (mm)	x (mm)	x (mm)	x (mm)	MS (mm)	Pack.	Material Nr.
420 - 620 ¹⁾	210 - 310	340	•	•	•	•	•	6	1104484
600 - 1000	300 - 500	720	•	•	-111	•	+38,5	1	2
900 - 1400	450 - 700	1120	•	+209	-211	•	+99,5	2	6
1401 - 1800	701 - 900	1520	•	+209	-211	•	+99,5	2	8
1601 - 2000	801 - 1000	1720	+559	+109	-311	•	-121,5	3	9
2001 - 2400	1001 - 1200	2120	+629	+309	-311	- 631	-121,5	4	12
								6	1104489

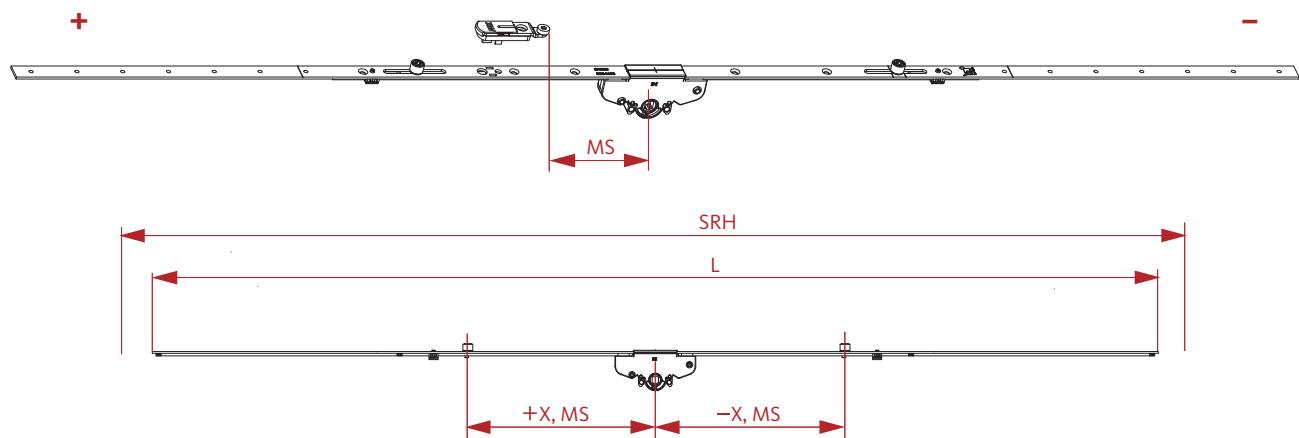
Backset 30 mm



(mm)	(mm)	L (mm)	x (mm)	x (mm)	x (mm)	x (mm)	MS (mm)	Pack.	Material Nr.
420 - 620 ¹⁾	210 - 310	340	•	•	•	•	•	6	1107647
600 - 1000	300 - 500	720	•	•	-111	•	+38,5	1	2
900 - 1400	450 - 700	1120	•	+209	-211	•	+99,5	2	6
1401 - 1800	701 - 900	1520	•	+209	-211	•	+99,5	2	8
1601 - 2000	801 - 1000	1720	+559	+109	-311	•	-121,5	3	9
2001 - 2400	1001 - 1200	2120	+629	+309	-311	- 631	-121,5	4	12
								6	1107652

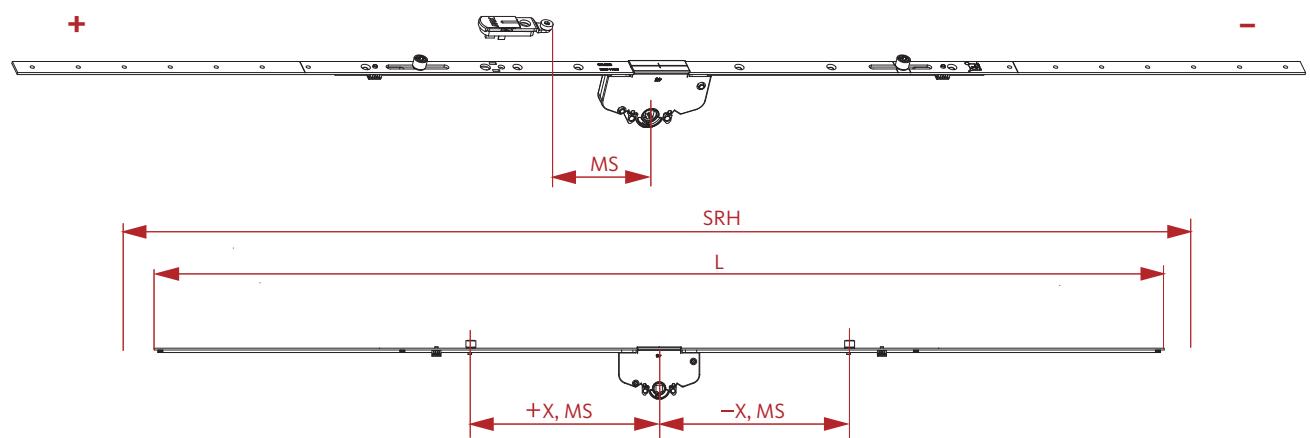
¹⁾ Mishandling device not available

Backset 35 mm



(mm)	(mm)	L (mm)	x (mm)	x (mm)	x (mm)	x (mm)	MS (mm)	Pack.	Material Nr.
420 - 620 ¹⁾	210 - 310	340	•	•	•	•	•	6	1107653
600 - 1000	300 - 500	720	•	•	-111	•	+38,5	1	2
900 - 1400	450 - 700	1120	•	+209	-211	•	+99,5	2	6
1401 - 1800	701 - 900	1520	•	+209	-211	•	+99,5	2	8
1601 - 2000	801 - 1000	1720	+559	+109	-311	•	-121,5	3	9
2001 - 2400	1001 - 1200	2120	+629	+309	-311	- 631	-121,5	4	12

Backset 45 mm



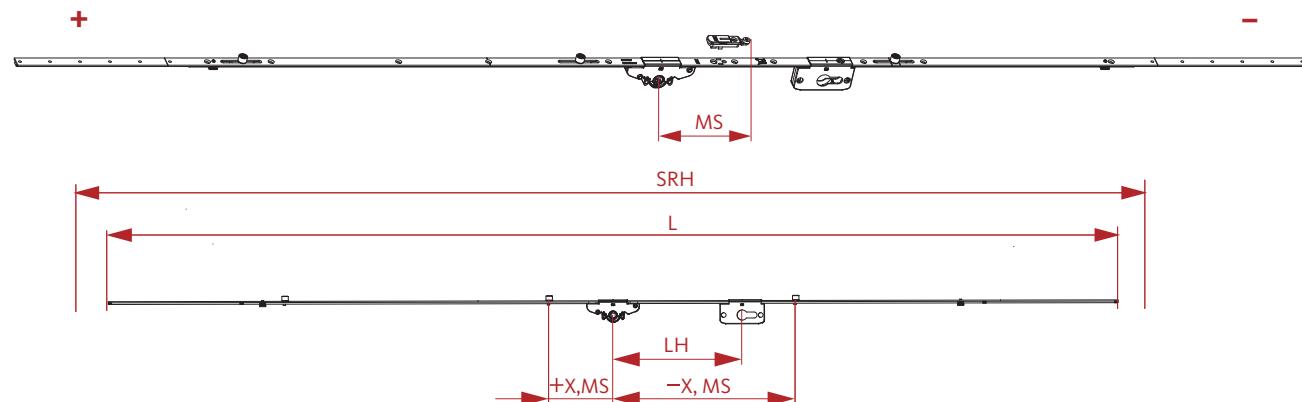
(mm)	(mm)	L (mm)	x (mm)	x (mm)	x (mm)	x (mm)	MS (mm)	Pack.	Material Nr.
420 - 620 ¹⁾	210 - 310	340	•	•	•	•	•	6	1104490
600 - 1000	300 - 500	720	•	•	-111	•	+38,5	1	2
900 - 1400	450 - 700	1120	•	+209	-211	•	+99,5	2	6
1401 - 1800	701 - 900	1520	•	+209	-211	•	+99,5	2	8
1601 - 2000	801 - 1000	1720	+559	+109	-311	•	-121,5	3	9
2001 - 2400	1001 - 1200	2120	+629	+309	-311	- 631	-121,5	4	12

¹⁾ Mishandling device not available

T&T ESPAGNOLETTE M - larger backsets + lockable

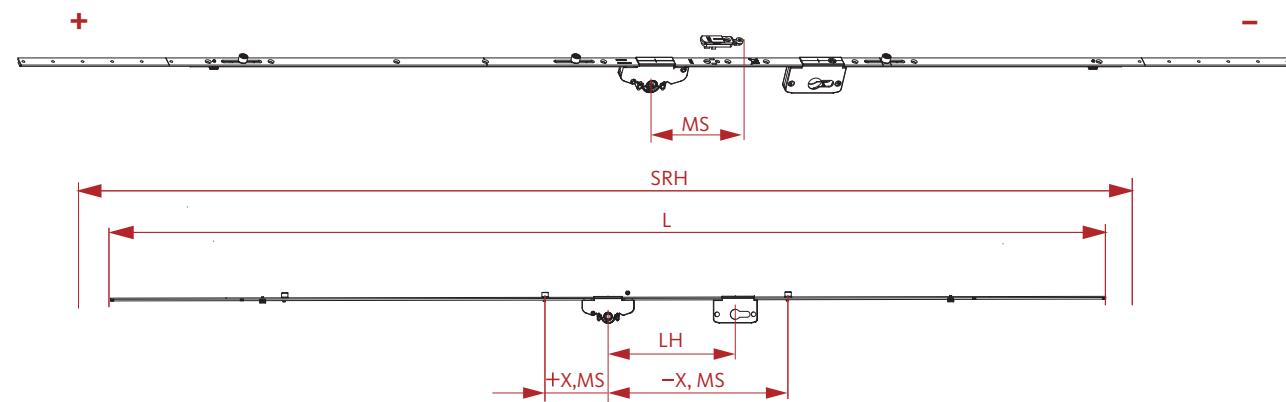
Centered / variable Handle Height

Backset 25 mm



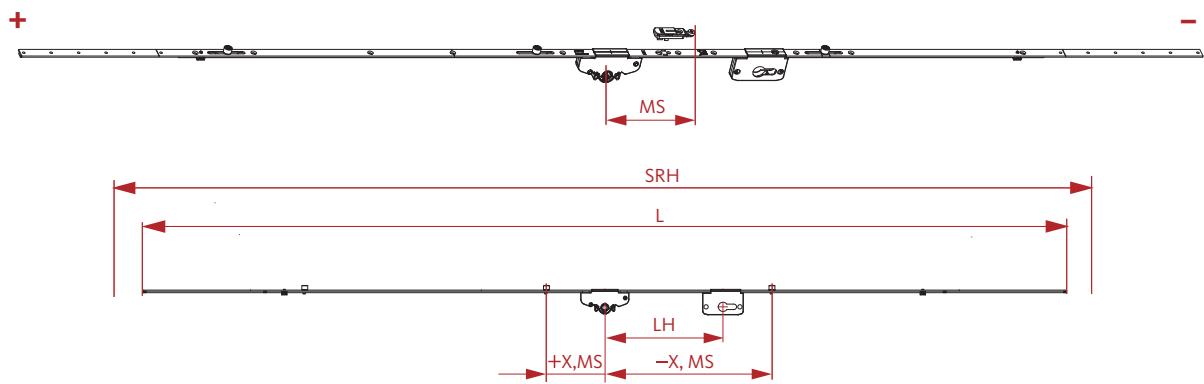
(mm)	(mm)	L (mm)	x (mm)	x (mm)	x (mm)	x (mm)	MS(mm)	LH (mm)	Pack.	Material Nr.		
1601 - 2000	801 - 1000	1720	+559	+109	-311	•	-121,5	220	3	10	6	1104477
2001 - 2400	1001 - 1200	2120	+629	+309	-311	-631	-121,5	220	4	13	6	1104480

Backset 30 mm



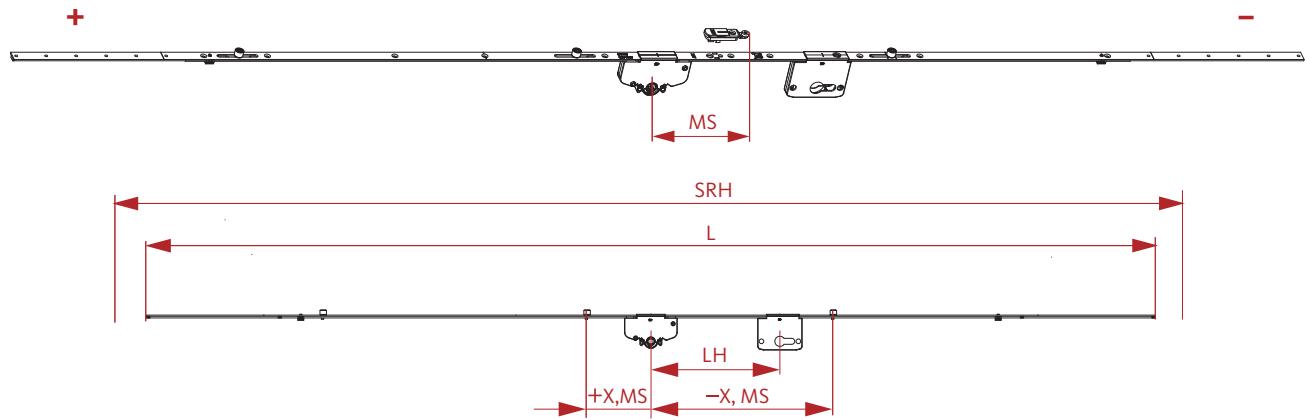
(mm)	(mm)	L (mm)	x (mm)	x (mm)	x (mm)	x (mm)	MS mm	LH (mm)	Pack.	Material Nr.		
1601 - 2000	801 - 1000	1720	+559	+109	-311	•	-121,5	220	3	10	6	1107659
2001 - 2400	1001 - 1200	2120	+629	+309	-311	-631	-121,5	220	4	13	6	1107661

Backset 35 mm



		L (mm)	x (mm)	x (mm)	x (mm)	x (mm)	MS(mm)	LH (mm)	Pack.	Material Nr.		
1601 - 2000	801 - 1000	1720	+559	+109	-311	•	-121,5	220	3	10	6	1107662
2001 - 2400	1001 - 1200	2120	+629	+309	-311	-631	-121,5	220	4	13	6	1107663

Backset 45 mm

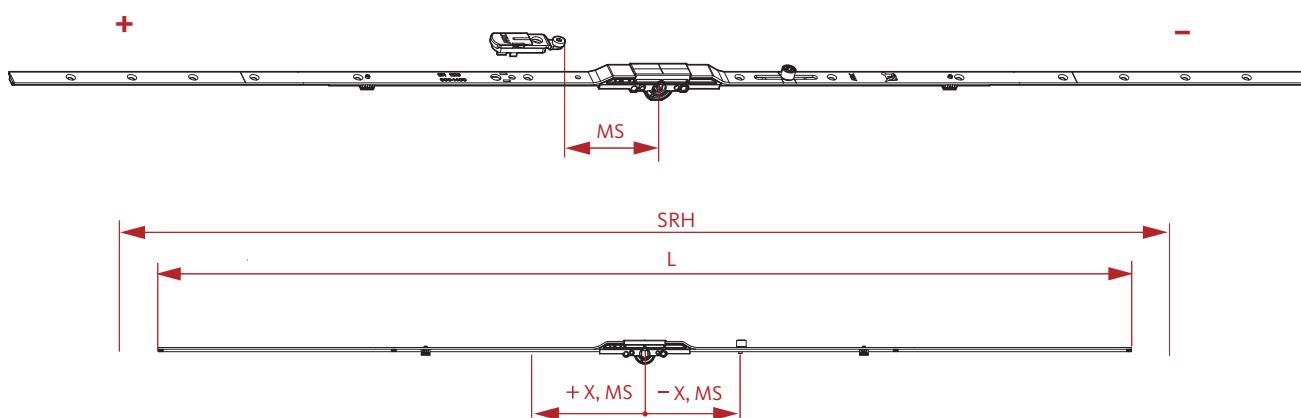


		L (mm)	x (mm)	x (mm)	x (mm)	x (mm)	MS mm	LH (mm)	Pack.	Material Nr.		
1601 - 2000	801 - 1000	1720	+559	+109	-311	•	-121,5	220	3	10	6	1104482
2001 - 2400	1001 - 1200	2120	+629	+309	-311	-631	-121,5	220	4	13	6	1104483

ESPAGNOLETTE M

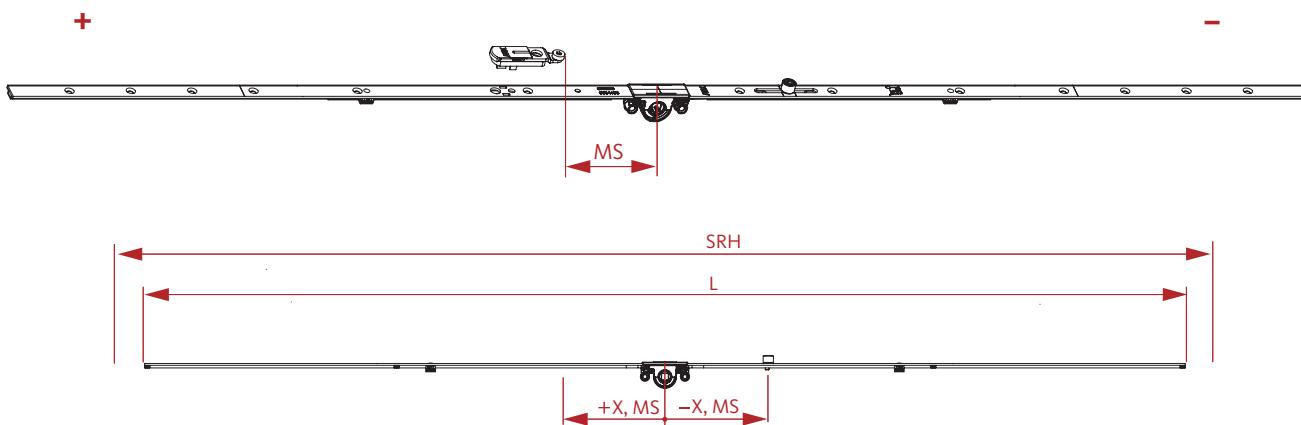
Centered / variable Handle Height

Backset 7,5 mm



(mm)	(mm)	L (mm)	x (mm)	x (mm)	x (mm)	x (mm)	MS (mm)	Pack.	Material Nr.
251 - 500 ¹⁾	126 - 250	500	•	•	+ 74	•	•	1	6
501 - 900	251 - 450	900	•	- 201	+ 199	•	- 128,5	2	12
901 - 1400	451 - 700	1400	•	- 401	+ 112	+ 399	- 128,5	3	16
1401 - 1900	701 - 950	1900	- 651	- 251	+ 249	+ 649	+ 89,5	4	20
1901 - 2400	951 - 1200	2400	- 901	- 351	+ 349	+ 899	+ 89,5	4	20
									1083173

Backset 14,5mm



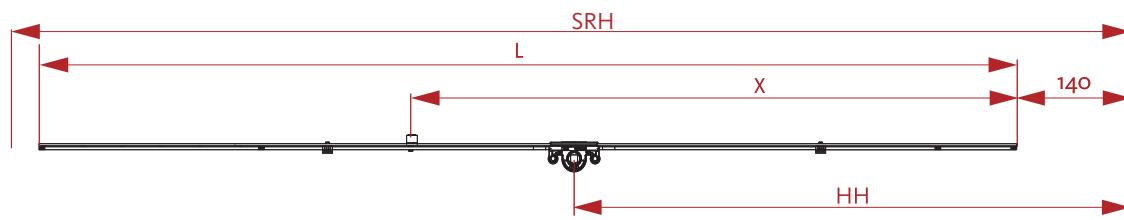
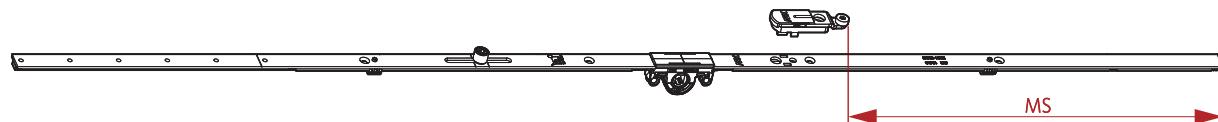
(mm)	(mm)	L (mm)	x (mm)	x (mm)	x (mm)	x (mm)	MS (mm)	Pack.	Material Nr.
180 - 250 ¹⁾	90 - 125	180	•	- 65	•	•	•	1	2
251 - 500 ¹⁾	126 - 250	500	•	- 76	•	•	•	1	6
501 - 900	251 - 450	900	•	- 201	+ 199	•	- 128,5	2	12
901 - 1400	451 - 700	1400	•	- 401	+ 112	+ 399	- 128,5	3	16
1401 - 1900	701 - 950	1900	- 651	- 251	+ 249	+ 649	+ 89,5	4	20
1901 - 2400	951 - 1200	2400	- 901	- 351	+ 349	+ 899	+ 89,5	4	20
									1083168

¹⁾ Mishandling device not available

T&T ESPAGNOLETTE KV

Fixed Handle Height

Backset 14,5 mm



								Pack.	Material Nr.
(mm)	(mm)	L (mm)	x (mm)	x (mm)	MS (mm)				
320 - 460 ^{1) 3)}	120	320	•	•	•	•	1	10	1083081
320 - 460 ^{1) 2) 4)}	120	320	•	•	•	•	2	10	1105430
461 - 600 ⁵⁾	170	410	•	•	168	•	1	10	1118431
601 - 800	263	520	•	•	176	•	1	10	1115131
801 - 1000	413	720	•	•	145	•	3	10	1115132
801 - 1000	413	720	389	•	145	1	3	10	1115133
1001 - 1200	513	920	539	•	344	1	4	10	1115134
1201 - 1400	563	1120	539	•	344	1	6	10	1115135
1401 - 1600	563	1320	539	•	344	1	7	10	1115136
1601 - 1800	563	1520	539	•	344	1	8	10	1115137
1601 - 1800	1000	1520	539	•	344	1	8	10	1115167
1801 - 2000	1000	1720	1209	539	977	2	11	10	1115138
2001 - 2200	1000	1920	1209	539	977	2	12	10	1115139
2201 - 2400	1000	2120	1209	539	977	2	13	10	1115140

1) Mishandling device not available

2) With integrated T&Ti corner drive 1RS

3) Espagnolette with side tilting

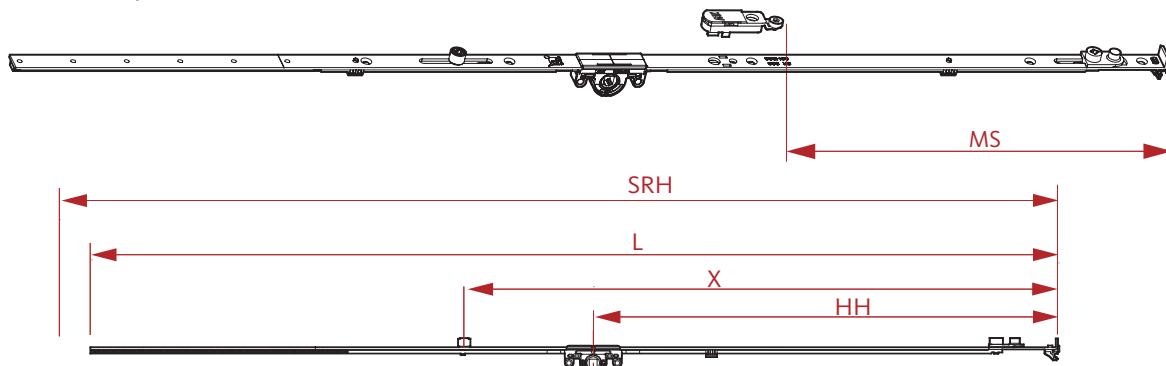
4) Espagnolette with bottom tilting

5) SRH 460 - 550 mm with short corner drive

T&T ESPAGNOLETTE

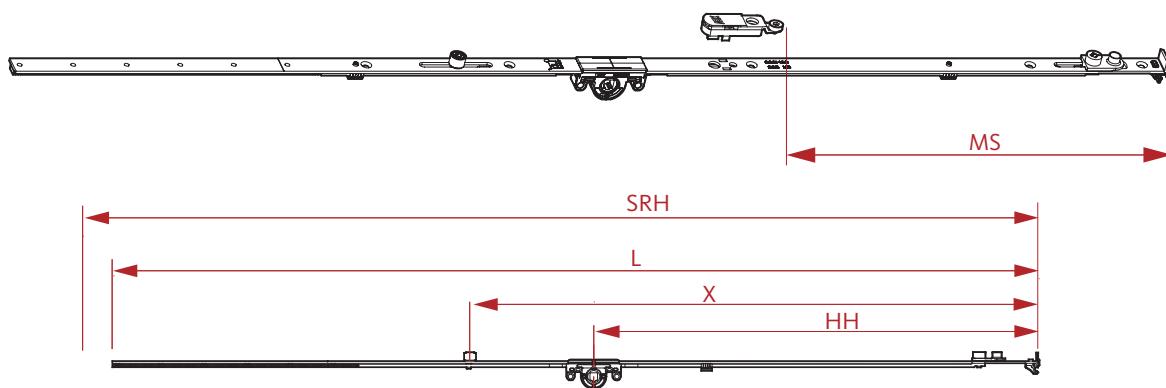
Fixed Handle Height

Backset 14,5 mm



(mm)	(mm)	L (mm)	x (mm)	x (mm)	MS (mm)	Pack.	Material Nr.		
320 - 460 ¹⁾	120	320	•	•	•	1* (0)	10	1083081	
461 - 600	170	460	•	•	219,5	•	3* (2)	10	1083082
601 - 800	263	660	•	•	134,5	•	4* (3)	10	1083083
801 - 1000	413	860	•	•	284,5	•	5* (4)	10	1083084
801 - 1000	413	860	529	•	284,5	1	5* (4)	10	1083085
1001 - 1200	513	1060	679	•	384,5	1	6* (5)	10	1083086
1201 - 1400	563	1260	679	•	384,5	1	8* (7)	10	1083087
1401 - 1600	563	1460	679	•	384,5	1	9* (8)	10	1083088
1601 - 1800	563	1660	679	•	384,5	1	10* (9)	10	1083089
1601 - 1800	1000	1660	679	•	384,5	1	10* (9)	10	1083090
1801 - 2000	1000	1860	1349	679	1117,5	2	13* (12)	10	1083091
2001 - 2200	1000	2060	1349	679	1117,5	2	14* (13)	10	1083092
2201 - 2400	1000	2260	1349	679	1117,5	2	15* (14)	10	1083093

Backset 14,5 mm, additional locking cam



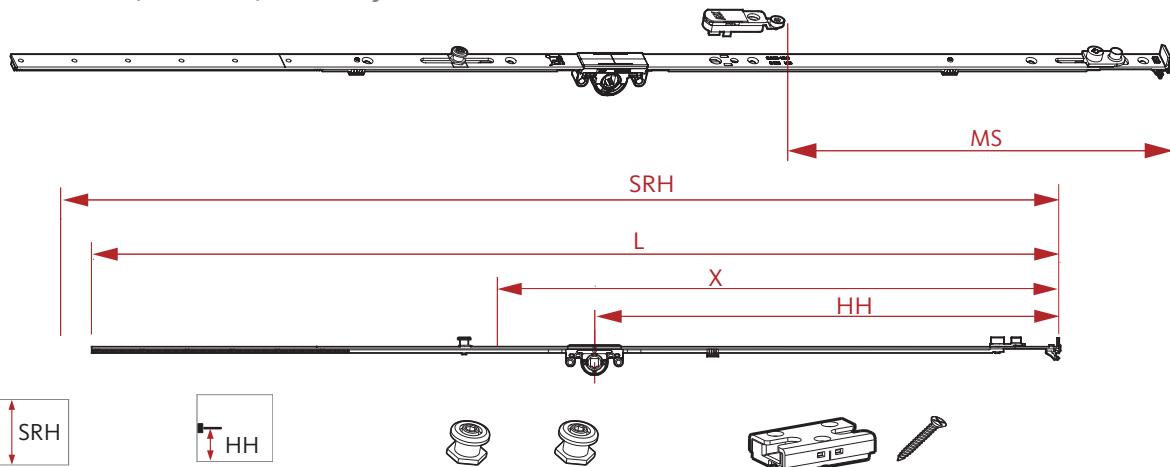
(mm)	(mm)	L (mm)	x (mm)	x (mm)	x (mm)	MS (mm)	Pack.	Material Nr.
1201 - 1400	563	1260	910	679	•	384,5	2	9* (8)
1401 - 1600	563	1460	1110	679	•	384,5	2	10* (9)
1601 - 1800	563	1660	1110	679	•	384,5	2	11* (10)
1801 - 2000	1000	1860	•	1349	679	1117,5	2	12* (11)
2001 - 2200	1000	2060	1710	1349	679	1117,5	3	13* (12)
2201 - 2400	1000	2260	1710	1349	679	1117,5	3	14* (13)

¹⁾ Mishandling device not available

* without the use of centre lock

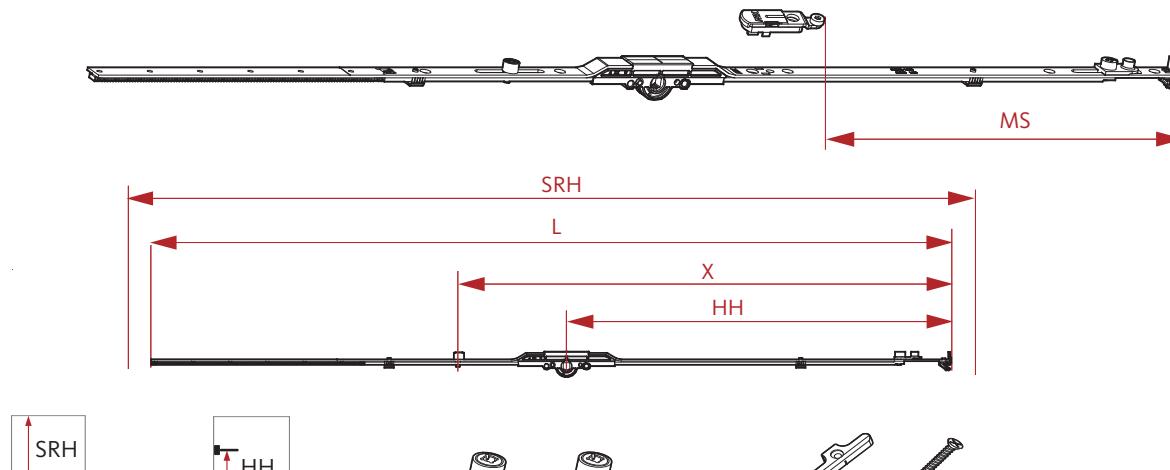
(x) number of screws with the use of centre lock/T&T corner drive

Backset 14,5 mm, security



(mm)	(mm)	L (mm)	x (mm)	x (mm)	MS (mm)	Pack.	Material Nr.
801 - 1000	413	860	529	•	284,5	1	5* (4)
1001 - 1200	513	1060	679	•	384,5	1	6* (5)
1201 - 1400	563	1260	679	•	384,5	1	8* (7)
1401 - 1600	563	1460	679	•	384,5	1	9* (8)
1601 - 1800	563	1660	679	•	384,5	1	10* (9)
1601 - 1800	1000	1660	679	•	384,5	1	10* (9)
1801 - 2000	1000	1860	1349	679	1117,5	2	13* (12)
2001 - 2200	1000	2060	1349	679	1117,5	2	14* (13)
2201 - 2400	1000	2260	1349	679	1117,5	2	15* (14)

Backset 7,5 mm



(mm)	(mm)	L (mm)	x (mm)	x (mm)	MS (mm)	Pack.	Material Nr.
330 - 460 ^{1) 2)}	120	320	•	•	•	1* (0)	10
461 - 600 ²⁾	170	460	•	•	•	3* (2)	10
601 - 800	263	660	•	•	134,5	•	4* (3)
801 - 1000	413	860	•	•	284,5	•	5* (4)
801 - 1000	413	860	529	•	284,5	1	5* (4)
1001 - 1200	513	1060	679	•	384,5	1	6* (5)
1201 - 1400	563	1260	679	•	384,5	1	8* (7)
1401 - 1600	563	1460	679	•	384,5	1	9* (8)
1601 - 1800	563	1660	679	•	384,5	1	10* (9)
1601 - 1800	1000	1660	679	•	384,5	1	10* (9)
1801 - 2000	1000	1860	1349	679	1117,5	2	13* (12)
2001 - 2200	1000	2060	1349	679	1117,5	2	14* (13)
2201 - 2400	1000	2260	1349	679	1117,5	2	15* (14)

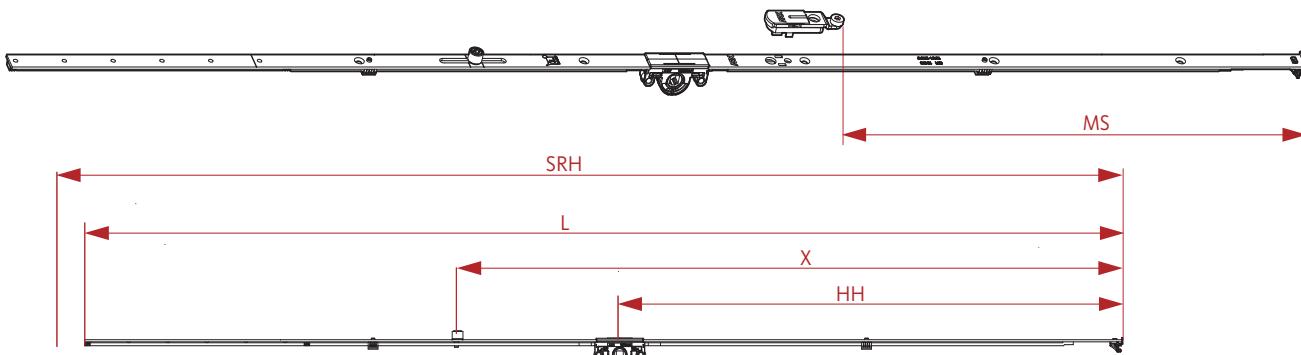
1) With integrated T&T corner drive 1RS

2) Mishandling device not available

T&Ti ESPAGNOLETTE

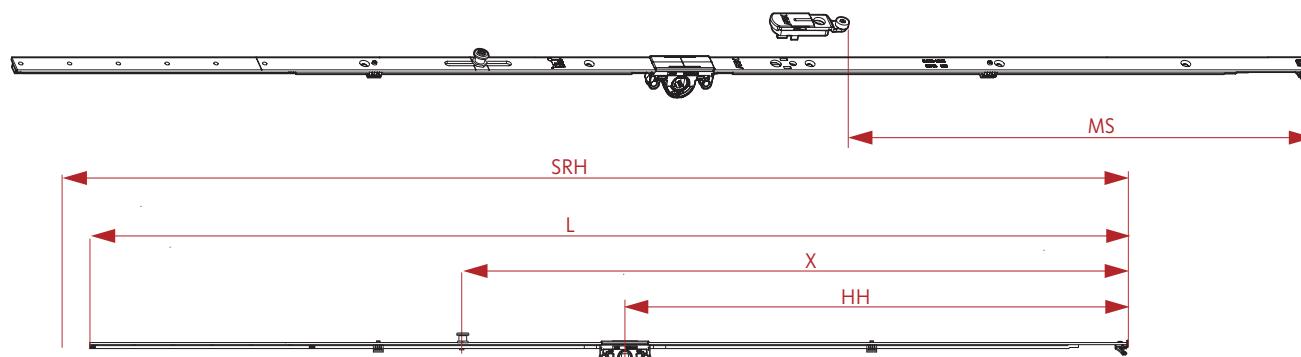
Fixed Handle Height

Backset 14,5 mm



(mm)	(mm)	L (mm)	x (mm)	x (mm)	MS (mm)		Pack.	Material Nr.
320 - 460 ^{1) 2)}	120	320	•	•	•	•	2	10
461 - 600	170	460	•	•	219,5	•	2	10
601 - 800	263	660	•	•	134,5	•	2	10
801 - 1000	413	860	529	•	284,5	1	4	10
1001 - 1200	513	1060	679	•	384,5	1	5	10
1201 - 1400	563	1260	679	•	384,5	1	7	10
1401 - 1600	563	1460	679	•	384,5	1	8	10
1601 - 1800	563	1660	679	•	384,5	1	9	10
1801 - 2000	1000	1860	1349	679	1117,5	2	11	10
2001 - 2200	1000	2060	1349	679	1117,5	2	12	10
2201 - 2400	1000	2260	1349	679	1117,5	2	13	10

Backset 14,5 mm, security



(mm)	(mm)	L (mm)	x (mm)	x (mm)	MS (mm)		Pack.	Material Nr.
801 - 1000	413	860	529	•	284,5	1	4	10
1001 - 1200	513	1060	679	•	384,5	1	5	10
1201 - 1400	563	1260	679	•	384,5	1	7	10
1401 - 1600	563	1460	679	•	384,5	1	8	10
1601 - 1800	563	1660	679	•	384,5	1	9	10
1801 - 2000	1000	1860	1349	679	1117,5	2	11	10
2001 - 2200	1000	2060	1349	679	1117,5	2	12	10
2201 - 2400	1000	2260	1349	679	1117,5	2	13	10

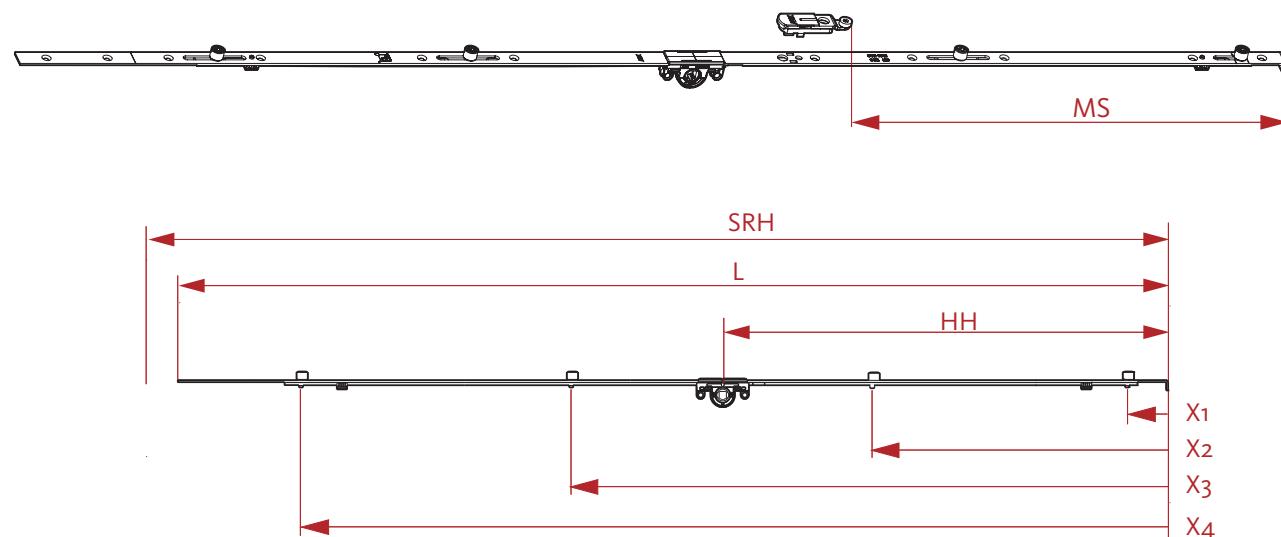
1) With integrated T&T corner drive 1RS

2) Mishandling device not available

ESPAGNOLETTE

Fixed Handle Height

Backset 14,5 mm



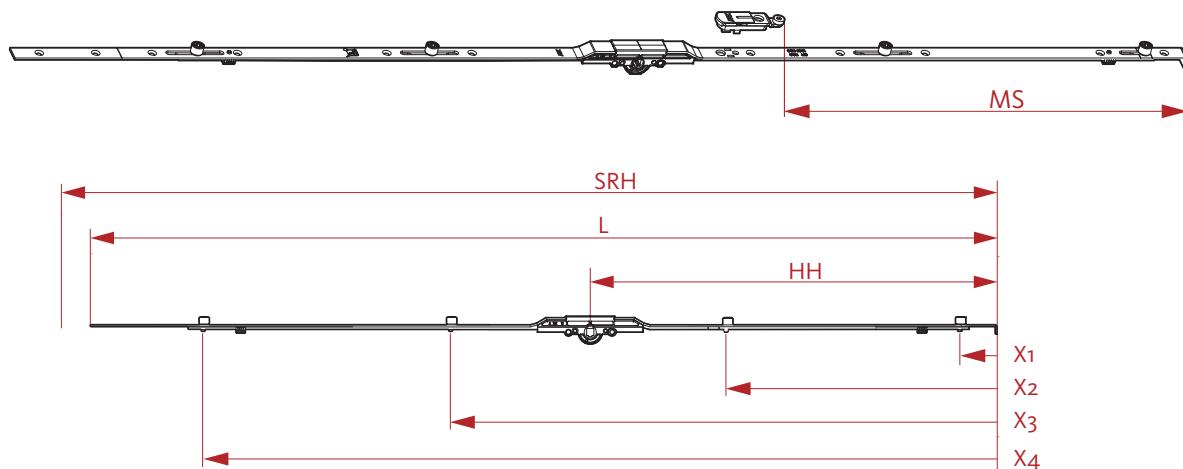
(mm)	(mm)	L (mm)	x1 (mm)	x2 (mm)	x3 (mm)	x4 (mm)	MS (mm)	Pack.	Material Nr.
400 - 500 ¹⁾	170	500	39	•	•	328	•	2	6
501 - 600	170	600	39	•	•	428	219,5	2	7
601 - 700	263	700	39	•	•	528	134,5	2	8
701 - 800	263	800	39	•	•	628	134,5	2	9
801 - 900	413	900	39	•	•	728	284,5	2	9
901 - 1000	413	1000	39	•	•	828	284,5	2	9
1001 - 1100	513	1100	39	•	708	928	384,5	2	10
1101 - 1200	513	1200	39	•	708	1028	384,5	3	10
1201 - 1300	563	1300	39	•	708	1128	384,5	3	11
1301 - 1400	563	1400	39	•	708	1228	384,5	3	11
1401 - 1500	563	1500	39	•	708	1328	384,5	3	11
1501 - 1600	563	1600	39	•	708	1428	384,5	3	12
1601 - 1700	563	1700	39	•	708	1528	384,5	3	12
1701 - 1800	563	1800	39	708	1128	1628	384,5	4	14
1801 - 2000	1000	2000	39	684	1278	1728	1117,5	4	15
2001 - 2200	1000	2200	39	684	1328	1928	1117,5	4	15
2201 - 2400	1000	2400	39	684	1528	2128	1117,5	4	17
								10	1083145

¹⁾ Mishandling device not available

ESPAGNOLETTE

Fixed Handle Height

Backset 7,5 mm



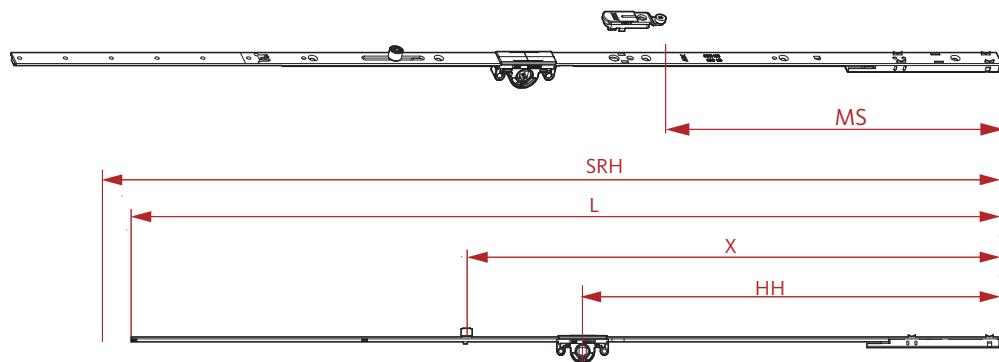
(mm)	(mm)	L (mm)	x1 (mm)	x2 (mm)	x3 (mm)	x4 (mm)	MS (mm)	Pack.	Material Nr.
400 - 500 ¹⁾	170	500	39	•	•	328	•	2	6 1083146
501 - 600 ¹⁾	170	600	39	•	•	428	•	2	7 1083147
601 - 700	263	700	39	•	•	528	134,5	2	8 1083148
701 - 800	263	800	39	•	•	628	134,5	2	8 1083149
801 - 900	413	900	39	•	•	728	284,5	2	8 1083150
901 - 1000	413	1000	39	•	•	828	284,5	2	9 1083151
1001 - 1100	513	1100	39	•	708	928	384,5	3	10 1083152
1101 - 1200	513	1200	39	•	708	1028	384,5	3	10 1083153
1201 - 1300	563	1300	39	•	708	1128	384,5	3	11 1083154
1301 - 1400	563	1400	39	•	708	1228	384,5	3	11 1083155
1401 - 1500	563	1500	39	•	708	1328	384,5	3	11 1083156
1501 - 1600	563	1600	39	•	708	1428	384,5	3	12 1083157
1601 - 1700	563	1700	39	•	708	1528	384,5	3	12 1083158
1701 - 1800	563	1800	39	708	1128	1628	384,5	4	14 1083159
1801 - 2000	1000	2000	39	684	1278	1728	1117,5	4	16 1083160
2001 - 2200	1000	2200	39	684	1328	1928	1117,5	4	16 1083161
2201 - 2400	1000	2400	39	684	1528	2128	1117,5	4	17 1083162

¹⁾ Mishandling device not available

REVERSE ACTION ESPAGNOLETTE

Fixed Handle Height

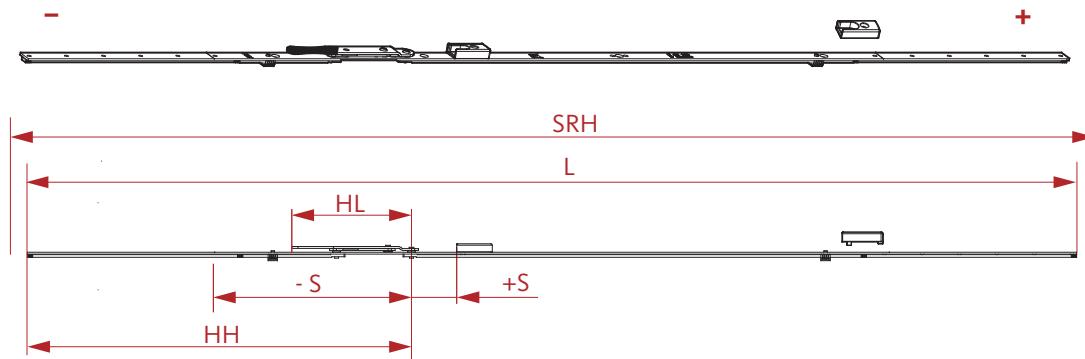
Backset 14,5 mm



(mm)	(mm)	L (mm)	x ₁ (mm)	x ₂ (mm)	MS (mm)	Pack.	Material Nr.
440 - 600	170	460	•	•	•	2	1105363
601 - 800	263	660	•	•	134,5	4	1105364
801 - 1000	413	860	529	•	284,5	1	1105365
1001 - 1200	513	1060	679	•	384,5	1	1105366
1201 - 1400	563	1260	679	•	384,5	1	1105367
1401 - 1600	563	1460	679	•	384,5	1	1105368
1601 - 1800	563	1660	679	1349	384,5	2	1105369
1801 - 2000	1000	1860	679	1349	384,5	2	1105370
2001 - 2200	1000	2060	679	1349	384,5	2	1105371
2201 - 2400	1000	2260	679	1349	384,5	2	1105372

FRENCH WINDOW ESPAGNOLETTE M - OHG

Centered / variable Handle Height



(mm)	(mm)	L (mm)	S (mm) ³⁾	S (mm)	S (mm)	S (mm) ³⁾	HL (mm)	Pack.	Backset (mm) ²⁾	Material Nr.
500 - 680 ¹⁾	290-380	400	•	•	•	•	2	130	10	14,5
600 - 1000 ¹⁾	387-586	720	•	- 189,5	•	•	3	130	10	14,5
800 - 1000 ¹⁾	587-686	720	•	- 289,5	•	•	3	130	10	7,5
900 - 1400	350-550	1120	•	+ 61,5	•	•	4	130	10	14,5/7,5
900 - 1400	350-550	1120	•	- 178,5	+ 241,5	•	4	130	10	14,5
1401 - 1800	350-550	1520	+ 161,5	+ 261,5	•	+ 581,5	6	130	10	14,5/7,5
1801 - 2000	350-550	1720	+ 581,5	+ 161,5	+ 781,5	+ 1031,5	8	130	10	14,5/7,5
2001 - 2400	350-550	2120	+ 41,5	+ 361,5	+ 981,5	+ 1301,5	10	130	10	14,5/7,5

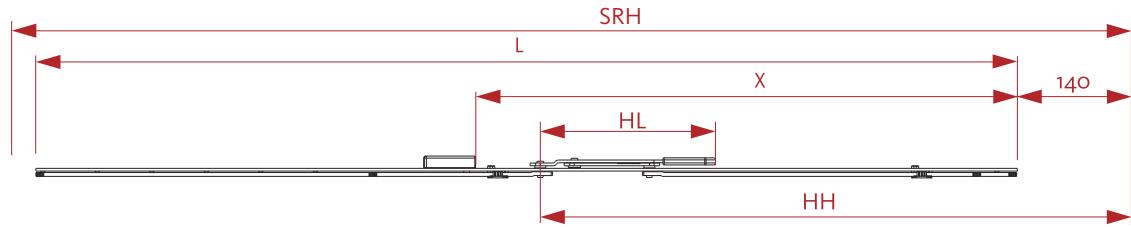
¹⁾ Mishandling device not available

²⁾ Compatibled with T&T espagnolette M, Backset the table

³⁾ For French window espagnolette M with additional locking cam. Striker 1100213 can be installed onto French window espagnolette.

T&T FRENCH WINDOW ESPAGNOLETTE KV - OHG

Fixed Handle Height



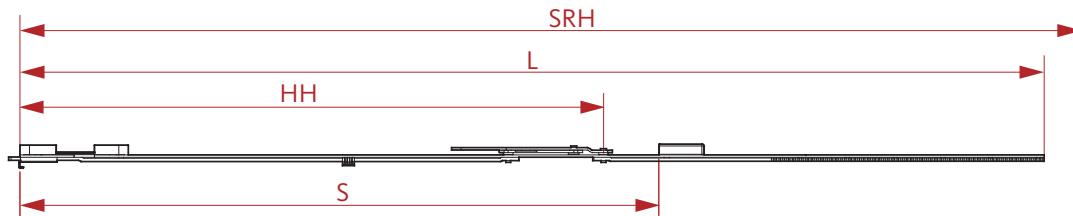
(mm)	(mm)	L (mm)	x (mm)	x (mm)	HL (mm)	Pack.	Material Nr.
460 - 600 ^{1) 2)}	230	410	•	•	130	2	1118420
601 - 800 ²⁾	335	520	•	•	130	2	1118421
801 - 1000	490	720	397,5	•	130	3	1118423
1001 - 1200	335	920	547,5	•	130	4	1118424
1201 - 1400	335	1120	547,5	•	130	6	1118425
1401 - 1600	335	1320	547,5	•	130	7	1118426
1601 - 1800	335	1520	547,5	•	130	8	1118427
1801 - 2000	640	1720	547,5	1217,5	130	11	1118428
2001 - 2200	640	1920	547,5	1217,5	130	12	1118429
2201 - 2400	640	2120	547,5	1217,5	130	13	1118430

1) SRH 460 - 550 mm with short corner drive

2) Mishandling device not available

T&T FRENCH WINDOW ESPAGNOLETTE - OHG

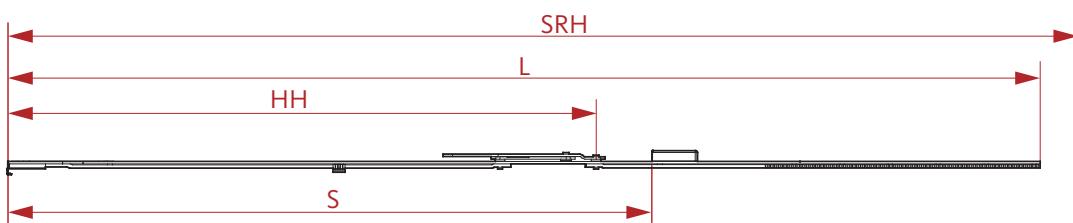
Fixed Handle Height



(mm)	(mm)	L (mm)	S (mm)	S (mm)	Pack.	Material Nr.	
600 - 800 ¹⁾	335	660	•	•	4*(3)	10	1083174
801 - 1000	490	860	536,5	•	4*(3)	10	1083175
1001 - 1200	335	1060	687,5	•	5*(4)	10	1083176
1201 - 1400	335	1260	687,5	•	8*(7)	10	1083177
1401 - 1600	335	1460	687,5	•	8*(7)	10	1083178
1601 - 1800	335	1660	687,5	•	9*(8)	10	1083179
1801 - 2000	640	1860	687,5	1357,5	10*(9)	10	1083180
2001 - 2200	640	2060	687,5	1357,5	11*(10)	10	1083181
2201 - 2400	640	2260	687,5	1357,5	12*(11)	10	1083182

T&Ti FRENCH WINDOW ESPAGNOLETTE - OHG

Fixed handle height



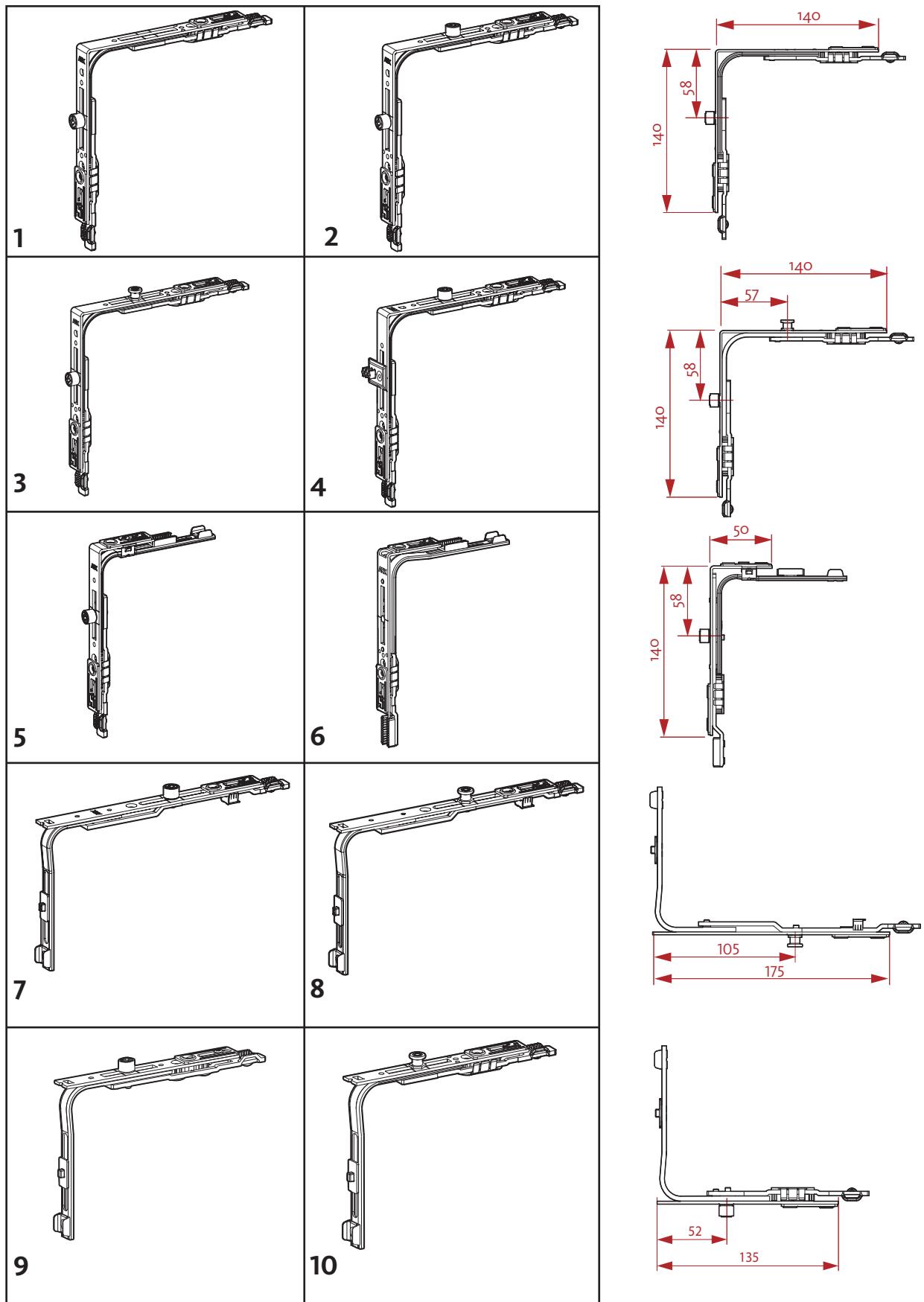
(mm)	(mm)	L (mm)	S (mm)	S (mm)	Pack.	Material Nr.	
600 - 800 ¹⁾	335	660	•	•	4*(3)	10	1105752
801 - 1000	490	860	536,5	•	4*(3)	10	1105754
1001 - 1200	335	1060	687,5	•	5*(4)	10	1105755
1201 - 1400	335	1260	687,5	•	8*(7)	10	1105756
1401 - 1600	335	1460	687,5	•	8*(7)	10	1105757
1601 - 1800	335	1660	687,5	•	9*(8)	10	1105758
1801 - 2000	640	1860	687,5	1357,5	10*(9)	10	1105759
2001 - 2200	640	2060	687,5	1357,5	11*(10)	10	1105760
2201 - 2400	640	2260	687,5	1357,5	12*(11)	10	1105761

¹⁾ Mishandling device not available

* without the use of centre lock

(x) number of screws with the use of centre lock/T&T corner drive

CORNER DRIVE

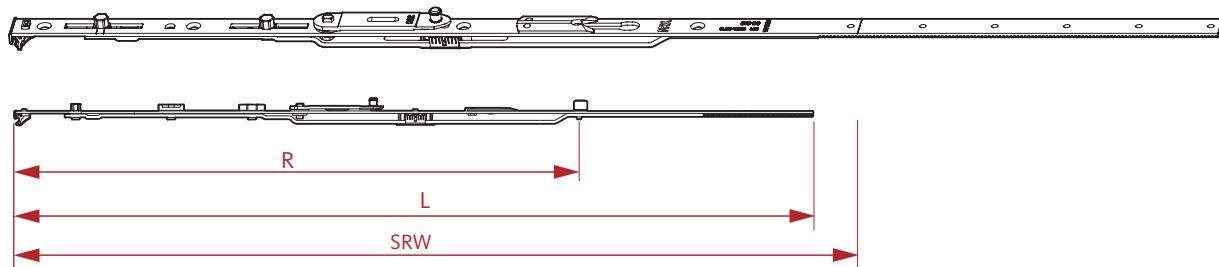


CORNER DRIVE



Type	(mm)	(mm)	Description				Pack.	Material Nr.
1	320 - 2400	340 - 1400	Corner drive	1R	1	•	4	10
1a	320 - 2400	340 - 1400	Corner drive	1RS	1	•	4	10
2	320 - 2400	340 - 1400	Corner drive	2R	2	•	4	10
2a	320 - 2400	340 - 1400	Corner drive	2RS	2	•	4	10
3	320 - 2400	340 - 1400	Corner drive	1R + 1RS	1	•	4	10
4a	320 - 2400	340 - 1400	Corner drive	1R + NV*R	1	1	4	10
4b	320 - 2400	340 - 1400	Corner drive	1R + NV*L	1	1	4	10
4c	320 - 2400	340 - 1400	Corner drive	1RS + NV*R	1	1	4	10
4d	320 - 2400	340 - 1400	Corner drive	1RS + NV*L	1	1	4	10
5	290 - 320	250 - 340	Short corner drive	1R	1	•	3	10
5a	290 - 320	250 - 340	Short corner drive	1RS	1	•	3	10
6	320 - 2400	250 - 340	Short corner drive w. shootbolt	•	1	•	3	10
7	320 - 2400	250 - 1400	Corner lock 180	1R	1	•	2	10
8	320 - 2400	250 - 1400	T&Ti Corner drive 180 - SECURITY	1RS	1	•	4	10
9	320 - 2400	250 - 1400	Corner lock 140	1R	1	•	2	10
10	320 - 2400	250 - 1400	T&Ti Corner drive 140 - SECURITY	1RS	1	•	2	10

SASH-STAY GUIDE



(mm)	L (mm)	R (mm)		Pack.	Material Nr.
250 - 410 ¹⁾	150 / 290	•	•	2* (1)	10
411 - 610	250 / 470	•	•	3* (2)	10
611 - 810	350 / 670	•	•	5* (4)	10
811 - 1010	500 / 870	547	1	6* (5)	10
1011 - 1210	500 / 1070	608	1	8* (7)	10
1211 - 1400	500 / 1270	808	1	9* (8)	10

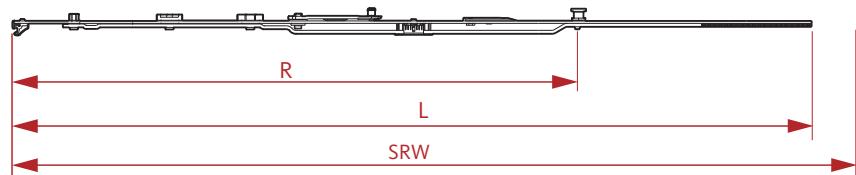
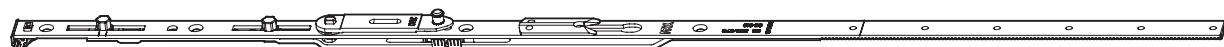
¹⁾ SRW = 250 - 340; with short corner drive

* without the use of centre lock

(x) number of screws with the use of centre lock/T&T corner drive

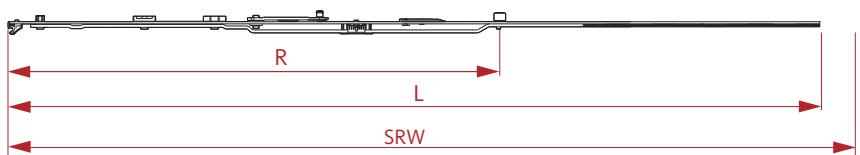
SASH-STAY GUIDE

Security



(mm)	L (mm)	(mm)		Pack.	Material Nr.
811 - 1010	870	547	1	6* (5)	1100978
1011 - 1210	1070	608	1	8* (7)	1100980
1211 - 1400	1270	808	1	9* (8)	1100981

Turn sash

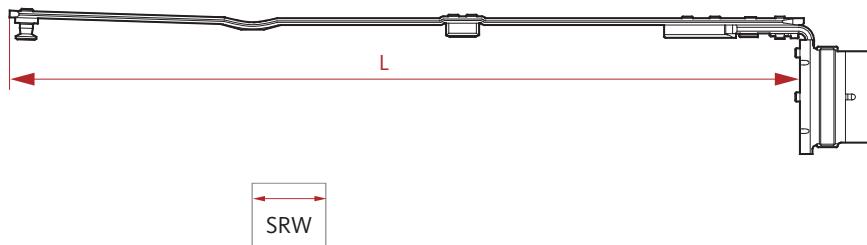


(mm)	L (mm)	(mm)		Pack.	Material Nr.
410 - 610	250 / 470	•	•	3* (2)	1105855
611 - 810	350 / 670	•	•	5* (4)	1105856
811 - 1010	500 / 870	547	1	6* (5)	1105857
1011 - 1211	350 / 670+400	547	2	8* (7)	1105856 + 1102897
1211 - 1400	500 / 870+400	547	2	9* (8)	1105857 + 1102897

* without the use of centre lock

(x) number of screws with the use of centre lock/T&T corner drive

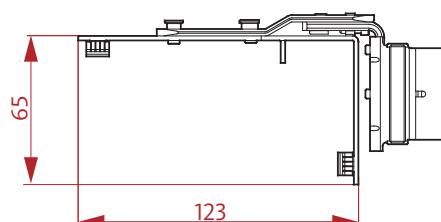
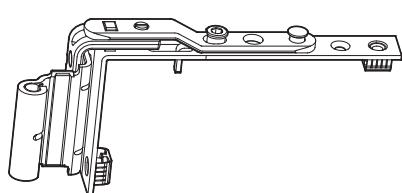
STAY ARM



Description	(mm)	L (mm)	Position	Pack.	Material Nr.
SYSTEM 12/20-9	250 - 410	150	L	10	1131552
	250 - 410	150	R	10	1131553
	410 - 610	250	L	10	1083008
	410 - 610	250	R	10	1083009
	611 - 810	350	L	10	1083010
	611 - 810	350	R	10	1083011
	811 - 1400	500	L	10	1083012
	811 - 1400	500	R	10	1083013
SYSTEM 12/20-13	250 - 410	150	L	10	1123306
	250 - 410	150	R	10	1123307
	410 - 610	250	L	10	1083016
	410 - 610	250	R	10	1083017
	611 - 810	350	L	10	1083018
	611 - 810	350	R	10	1083019
	811 - 1400	500	L	10	1083020
	811 - 1400	500	R	10	1083021
SYSTEM 12/22-13	250 - 410	150	L	10	1131554
	250 - 410	150	R	10	1131555
	410 - 610	250	L	10	1083030
	410 - 610	250	R	10	1083031
	611 - 810	350	L	10	1083032
	611 - 810	350	R	10	1083033
	811 - 1400	500	L	10	1083034
	811 - 1400	500	R	10	1083035
TILT FIRST - SYSTEM 12/20-13	325 - 610 *	250	L	10	1083025
	325 - 610 *	250	R	10	1083024
	611 - 810	350	L	10	1083027
	611 - 810	350	R	10	1083026
	811 - 1400	500	L	10	1083029
	811 - 1400	500	R	10	1083028

* SRH 325 - 410 mm with short corner drive and 250/470 sash-stay guide

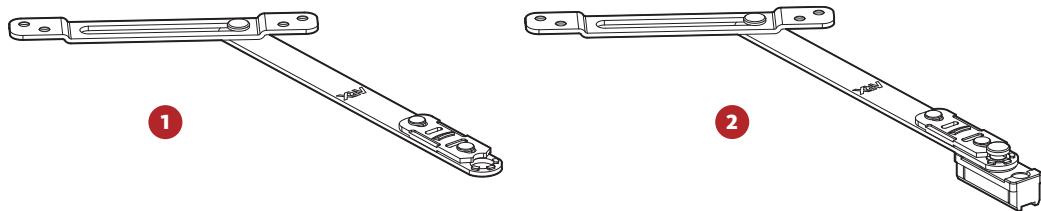
Rebate stay arm



Description	Position		Pack.	Material Nr.
SYSTEM 12/20-9	L	4	40	1083265
	R	4	40	1083264
SYSTEM 12/20-13	L	4	40	1083263
	R	4	40	1083262
SYSTEM 12/22-13	L	4	40	1083266
	R	4	40	1083267

STAY ARM

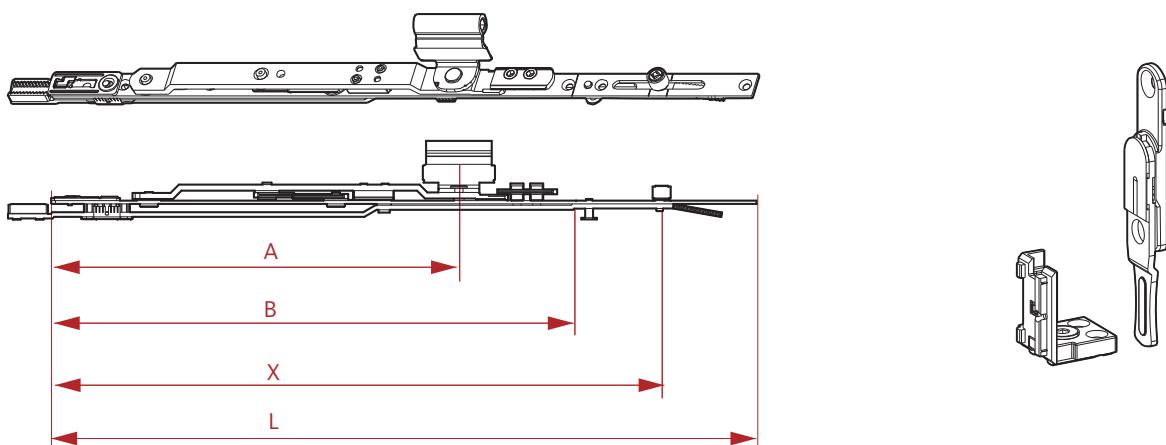
Tilt stay



Type	Description	Pack.	Material Nr.
1	Tilt stay	5	1099152
2	Tilt stay Groove	7	1099154
3	Tilt stay 170 ¹⁾	5	1115652

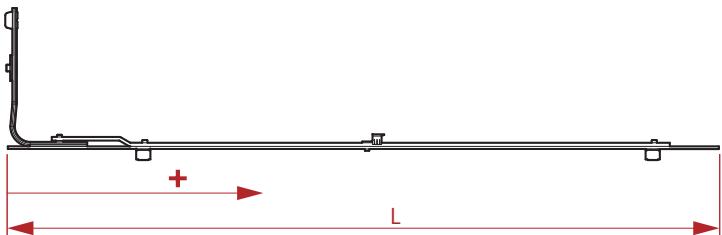
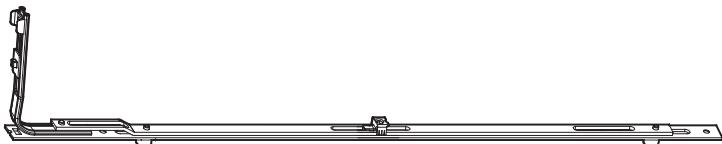
1) Without schema

SET PITCHED / ARCHED WINDOW



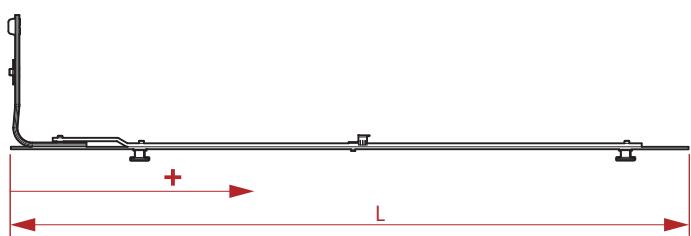
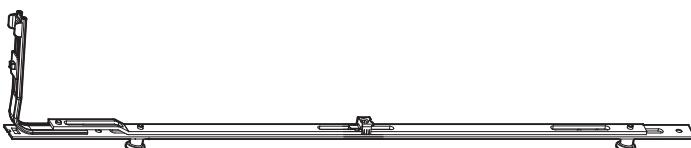
Description	L (mm)	X (mm)	A (mm)	B (mm)	Pack.	Material Nr.
System 12/20-9	430	372	249	320	1	10
System 12/20-13	430	372	249	320	1	10
System 12/22-13	430	372	249	320	1	10

CENTRE LOCK



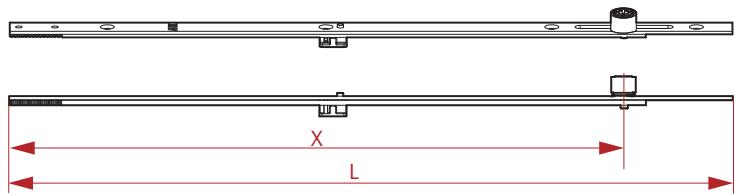
(mm)	(mm)	L (mm)	(mm)	(mm)	(mm)	(mm)	Pack.	Material Nr.
600 - 800	600 - 800	350	299	•	•	•	1	4
801 - 1200	801 - 1200	550	105	499	•	•	2	4
1201 - 1400	1201 - 1400	850	105	799	•	•	2	6
1601 - 2200	•	1550	105	799	1499	•	3	10
2201 - 2400	•	2000	105	799	1499	1949	4	11
							10	1093871
							10	1083058
							10	1083059
							10	1083060
							10	1083064

Security



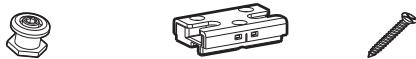
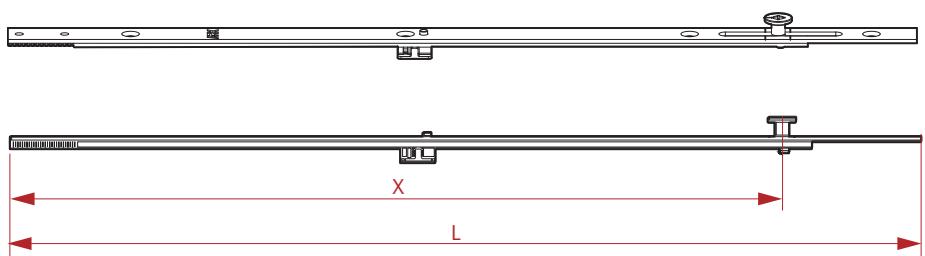
(mm)	(mm)	L (mm)	(mm)	(mm)	(mm)	(mm)	Pack.	Material Nr.
801 - 1200	801 - 1200	550	105	499	•	•	2	4
1201 - 1400	1201 - 1400	850	105	799	•	•	2	6
1601 - 2200	•	1550	105	799	1499	•	3	10
2201 - 2400	•	2000	105	799	1499	1949	4	11
							10	1101000
							10	1101002
							10	1101003
							10	1101004

CENTRE LOCK



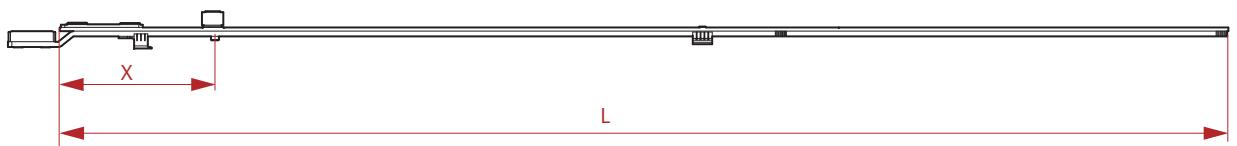
Description	L (mm)	R (mm)		Pack.	Material Nr.
400	400	339	1	4	10 1083061
600	600	539	1	4	10 1083062
600 Clamping	600	539	1	4	10 1102900

Security



Description	L (mm)	(mm)		Pack.	Material Nr.
200	200	139	1	2	10 1101005
400	400	339	1	4	10 1101006
600	600	539	1	4	10 1101012
200 Clamping	200	139	1	2	10 1101015
400 Clamping	400	339	1	4	10 1101016
600 Clamping	600	539	1	4	10 1101017

ESPAGNOLETTE EXTENSION



SRH



Description	(mm)	L (mm)	R (mm)		Pack.	Material Nr.
400	200 - 400	400	79	3	1	10
600	401 - 600	600	79	4	1	10
800	601 - 800	800	79	5	1	10

French window espagnolette extension



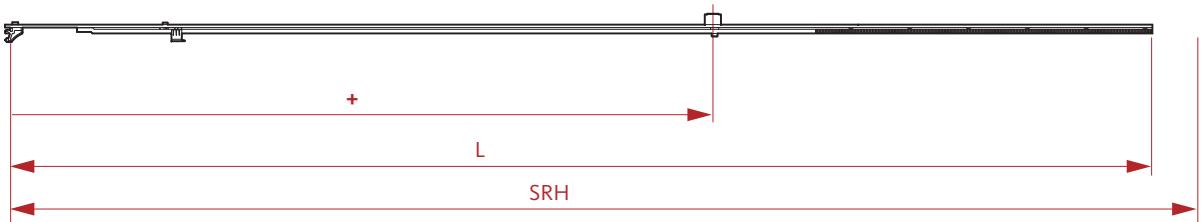
SRH



Description	(mm)	L (mm)	R (mm)		Pack.	Material Nr.
400	200 - 400	400	87,5	3	1	10
600	401 - 600	600	87,5	4	1	10

CENTRE LOCK - pitched & arched

Vertical

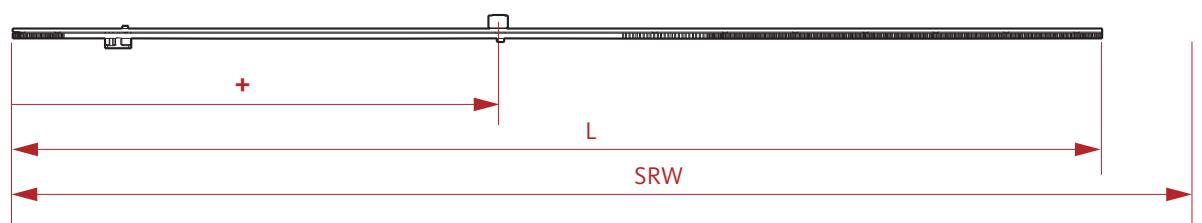


SRH



(mm)	L (mm)	(mm)	(mm)		Pack.	Material Nr.
491 - 700	380	•	•	•	2	1083071
701 - 900	580	281	•	1	4	1083072
901 - 1100	780	481	•	1	5	1083073
1101 - 1300	980	681	•	1	5	1083074
1301 - 1500	1180	281	881	2	7	1083075
1501 - 1700	1380	481	1081	2	8	1084924
1701 - 1900	1580	681	1281	1	8	1084925

Horizontal

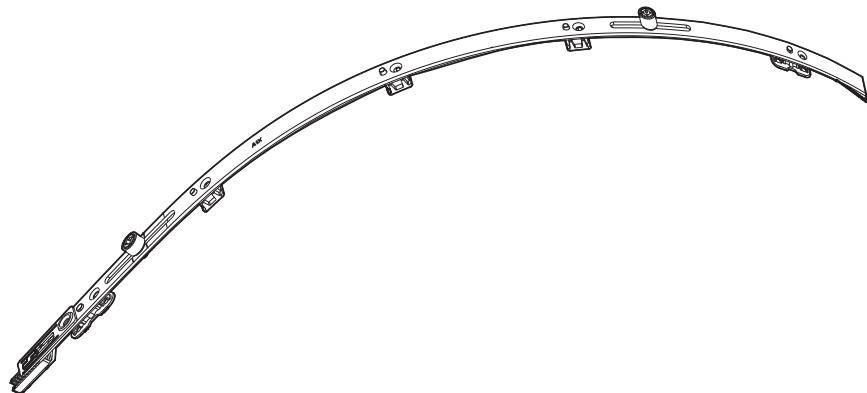


SRW



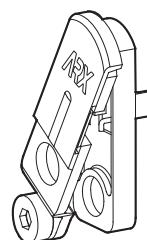
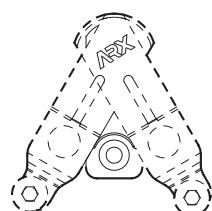
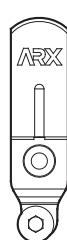
(mm)	L (mm)	(mm)	(mm)		Pack.	Material Nr.
400 - 650	370	•	•	•	1	1083076
651 - 900	620	276	•	1	3	1083077
901 - 1150	870	526	•	1	4	1083078
1151 - 1400	1120	276	776	2	6	1083079

Arched window



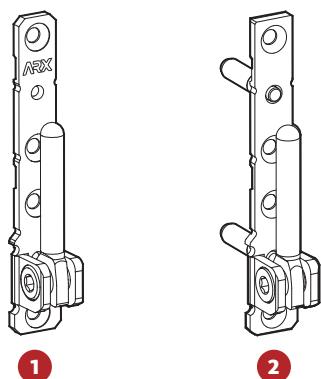
(mm)	L (mm)	(mm)	(mm)		Pack.	Material Nr.
610 - 1400	590	79	429	2	6	10

MISHANDLING DEVICE - sash



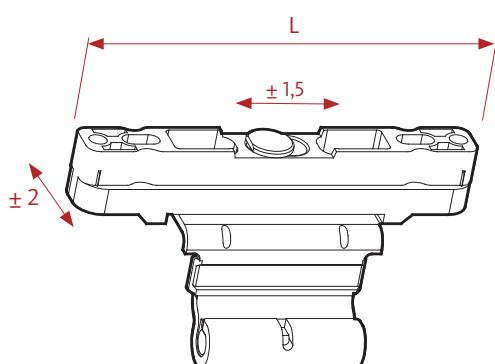
Description	Pack.	Material Nr.
MISHANDLING DEVICE - sash	1	1093907

CORNER PIVOT REST



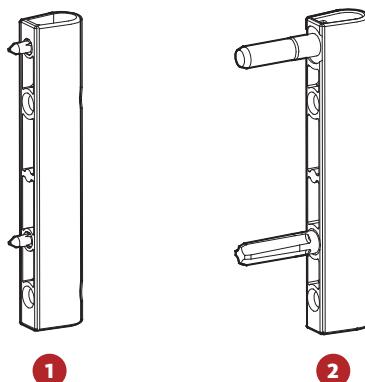
Type	Description	Position	Pack.	Material Nr.
1	CORNER PIVOT REST 100 Kg	L / R	4	200
2	CORNER PIVOT REST Ø6 130 Kg	L / R	4	200

REBATE CENTRE HINGE



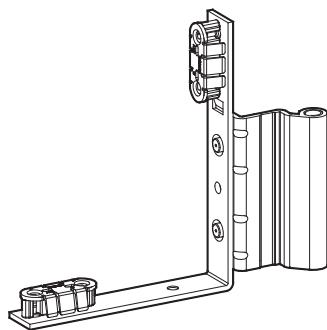
Description	L (mm)	Pack.	Material Nr.	(mm)	
SYSTEM 12/20-9 adjustable	100	50	1083269	420 - 1200	2
SYSTEM 12/20-13 adjustable	100	50	1083268	1201 - 2200	3
SYSTEM 12/22-13 adjustable	100	50	1083270	2201 - 2400	4

CORNER HINGE



Type	Description	Position	Pack.	Material Nr.
1	CORNER HINGE 100 Kg	L / R	2	200 1083241
	CORNER HINGE 100 Kg - adjustable	L / R	2	200 1083243
2	CORNER HINGE Ø6 130 Kg	L / R	2	200 1083242

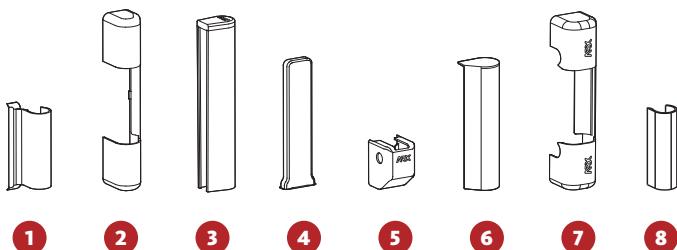
Rebate corner hinge



Description	Position	Pack.	Material Nr.
SYSTEM 12/18-9	L	6	1101236
	R	6	1101237
SYSTEM 12/20-9	L	6	1101239
	R	6	1101241
SYSTEM 12/18-13	L	6	1101242
	R	6	1101243
SYSTEM 12/20-13	L	6	1101244
	R	6	1101245
SYSTEM 12/22-13	L	6	1105922
	R	6	1105923

COVER CAP

Cover caps from 1 to 6

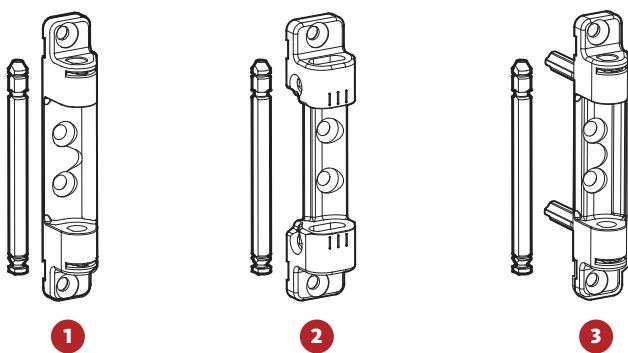


Type	Description	RAL	Position	Pack.	Material Nr.
1 COVER CAP STAY ARM	RAL9016 - White	400		1083279	
	RAL8019 - Greybrown	400		1083280	
	RAL9005 - Black	400		1087797	
	RAL9006 - Silver	400		1093928	
	RAL9001 - Cream White	400		1103581	
	Dark bronze	400		1106918	
	TITANmat	400		1103985	
	SHINE GOLD	400		1111057	
2 COVER CAP STAY BEARING	RAL9016 - White	100		1083277	
	RAL8019 - Greybrown	100		1083278	
	RAL9005 - Black	100		1087796	
	RAL9006 - Silver	100		1093926	
	RAL9001 - Cream White	100		1103582	
	Dark bronze	100		1106917	
	TITANmat	100		1103986	
	SHINE GOLD	100		1111058	
3 COVER CAP CORNER HINGE	RAL9016 - White	100		1083271	
	RAL8019 - Greybrown	100		1083272	
	RAL9005 - Black	100		1087793	
	RAL9006 - Silver	100		1093919	
	RAL9001 - Cream White	100		1103583	
	Dark bronze	100		1106914	
	TITANmat	100		1103987	
	SHINE GOLD	100		1111059	
4 COVER CAP CORNER PIVOT REST-flat	RAL9016 - White	500		1083275	
	RAL8019 - Greybrown	500		1083276	
	RAL9005 - Black	500		1087795	
	RAL9006 - Silver	500		1093923	
	RAL9001 - Cream White	500		1103584	
	Dark bronze	500		1106916	
	TITANmat	500		1103988	
	SHINE GOLD	500		1111060	
5 COVER CAP CORNER PIVOT REST	RAL9016 - White	300		1083273	
	RAL8019 - Greybrown	300		1083274	
	RAL9005 - Black	300		1087794	
	RAL9006 - Silver	300		1093922	
	RAL9001 - Cream White	300		1103585	
	Dark bronze	300		1106915	
	TITANmat	300		1103989	
	SHINE GOLD	300		1111061	
6 COVER CAP REBATE CORNER HINGE	RAL9016 - White	L R	200 200	1105332 1105333	
	RAL8019 - Greybrown	L R	200 200	1105442 1105443	
	RAL9005 - Black	L R	200 200	1105444 1105445	
	RAL9006 - Silver	L R	200 200	1105446 1105447	
	RAL9001 - Cream White	L R	200 200	1111833 1111832	
	Dark bronze	L R	200 200	1106927 1106928	
	TITANmat	L R	200 200	1105448 1105449	
	SHINE GOLD	L R	200 200	1111835 1111834	

Cover caps from 7 to 8

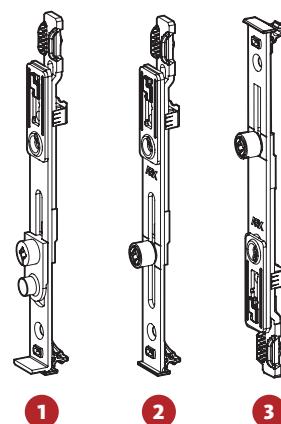
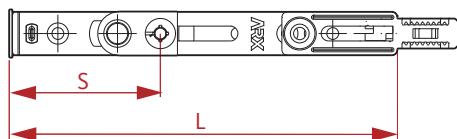
7 COVER CAP FOR ADJUSTABLE STAY BEARING	RAL9016 - White RAL8019 - Greybrown RAL9005 - Black RAL9006 - Silver	200 200 200 200	1103455 1103458 1103459 1103460
8 COVER CAP STAY ARM 2	RAL9016 - White RAL8019 - Greybrown RAL9005 - Black RAL9006 - Silver RAL9001 - Crem White Dark bronze TITANmat SHINE GOLD	200 200 200 200 200 200 200 200	1115142 1115143 1115144 1115145 1115146 1115147 1115148 1115149

SASH STAY BEARING WITH PIN



Type	Description	Position	Pack.	Material Nr.
1	SASH STAY BEARING 100 Kg with pin	L / R	4	1083250
2	SASH STAY BEARING 100 Kg ADJUSTABLE with pin	L / R	4	1103601
3	SASH STAY BEARING Ø6 130 Kg with pin	L / R	4	1105598

LOCK BOLT

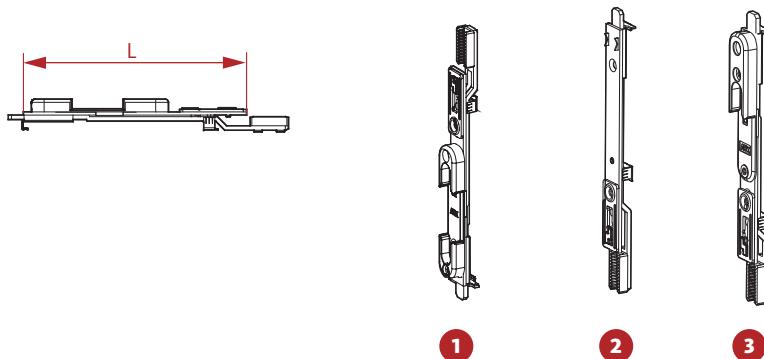


Type	Description	L(mm)		S (mm)		Pack.	Material Nr.	
1	TILT LOCK BOLT < 1000	140	1	•	•	3* (2)	100	1102388
	TILT LOCK BOLT > 1000	140	1	•	•	3* (2)	100	1102391
2	TI LT LOCK BOLT 140 1R	140	•	1	53,5	3* (2)	100	1102394
3	TI LT LOCK BOLT 140/90 1R	140	•	1	53,5	3* (2)	100	1102395

* without the use of centre lock

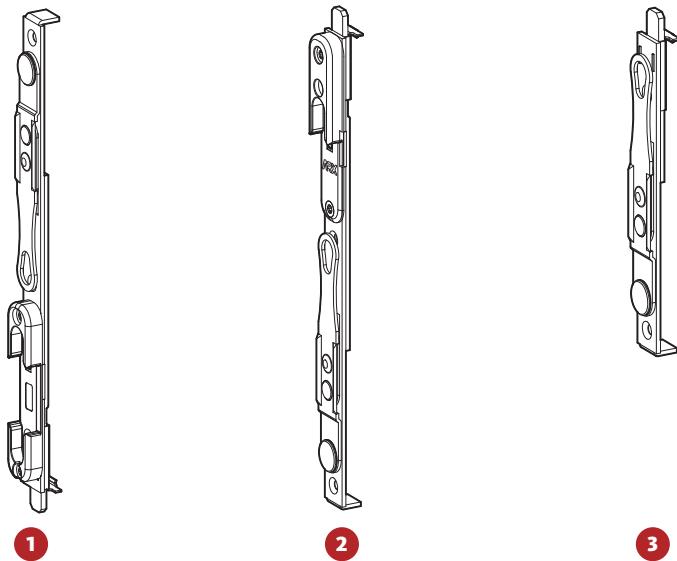
(x) number of screws with the use of centre lock/T&T corner drive

FRENCH WINDOW ESPAGNOLETTE EXTENSION



	Description	L (mm)	Pack.	Material Nr.
1	T&T EXTENSION FRENCH ESPAGNOLETTE M 11 mm	140	3* (2)	50 1102621
2	T&T EXTENSION FRENCH ESPAGNOLETTE 140/11 mm	140	3* (2)	50 1103211
3	FRENCH ESPAGNOLETTE CONNECTOR 11 mm TOP	140	3* (2)	50 1110929

SHOOTBOLT - OHG



Type	Description	L(mm)	Pack	Material Nr.
1	T&T SHOOTBOLT	230	3* (2)	50 1083252
2	SHOOTBOLT WITH STRIKER	230	3* (2)	50 1083253
3	SHOOTBOLT WITHOUT STRIKER	140	2	100 1083254

* without the use of centre lock

(x) number of screws with the use of centre lock/T&T corner drive

T&T STRIKER



SYSTEM 12/20-13

T&T STRIKER	Pack.	Material Nr.
ALPHACAN In Alpha/ 70	250	1083186
ALUPLAST 2000/ 3000/ 4000/ 5000/ 6000/ 8000	250	1083185
BRUGMANN BluEvolution	250	1083183
DECEUNINCK 2500/ 2800	250	1083187
EUROCELL Modus	250	1083186
GEALAN 7000/ 8000/ S9000	250	1083186
INOUTIC Prestige/ Arcade	250	1083187
LINIAR	250	1097947
OPTIMA Profile 22	250	1083186
PEŠTAN S509	250	1083186
PROFINE KBE 76/ 70AD	250	1083186
PROFINE KÖMMERLING Eurofutur Classic/ Elegance/ 88 Plus/ C70/ 76 MD	250	1083186
PROFINE TROCAL 70.A5 AD/ 70.M5 MD/ 76 AD/ 76 MD	250	1083186
REHAU Geneo/ Synego/ S706/ S730	250	1083185
ROLOPLAST 7000/ 7500/ 7500 3D	250	1083185
ROPLASTO 7001 AD	250	1083185
SALAMANDER 3D/ Streamline 76	250	1083185
SCHÜCO Corona AD/ CT70 AD/ CT70 MD/ S182 MD	250	1083185
SELECTA Advance 70	250	1083186
VEKA Matrix/ Softline/ Softline 82/ Topline	250	1083183
VUJIČ 7000/ 8000	250	1097947
WEISS WP3000/ WP4000/ WP5000	250	1083185
WHS Halo System 10	250	1083185

SYSTEM 12/20-9

STRIKER	Pack.	Material Nr.
PROFINE KBE AD9	100	1083189

STRIKER - second sash



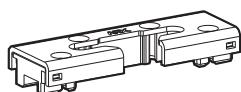
SYSTEM 12/20-13

STRIKER - SECOND SASH	Pack.	Material Nr.
ALPHACAN In Alpha/ 70	300	1083227
ALUPLAST 2000/ 3000/ 4000/ 5000/ 6000/ 8000	300	1083226
BRUGMANN BluEvolution	300	1083224
DECEUNINCK 2500/ 2800	300	1083228
EUROCELL Modus	300	1083227
GEALAN 7000/ 8000/ S9000	300	1083227
INOUTIC Prestige/ Arcade	300	1083228
LINIAR	300	1097949
OPTIMA Profine 22	300	1097949
PEŠTAN S509	300	1083227
PROFINE KBE 76/ 70AD	300	1083227
PROFINE KÖMMERLING Eurofutur Clasic/ Elegance/ 88 Plus/ C70/ 76 MD	300	1083227
PROFINE TROCAL 70.A5 AD/ 70.M5 MD/ 76 AD/ 76 MD	300	1083227
REHAU Geneo/ Synego/ S706/ S730	300	1083226
ROLOPLAST 7000/ 7500/ 7500 3D	300	1083226
ROPLASTO 7001 AD	300	1083226
SALAMANDER 3D/ Streamline 76	300	1083226
SCHÜCO Corona AD/ CT70 AD/ CT70 MD/ S182 MD	300	1083226
SELECTA Advance 70	300	1083227
VEKA Matrix/ Softline/ Softline 82/ Topline	300	1083224
VUJIČ 7000/ 8000	250	1097949
WEISS WP3000/ WP4000/ WP5000	300	1083226
WHS Halo System 10	300	1083226

SYSTEM 12/20-9

STRIKER - SECOND SASH	Pack.	Material Nr.
PROFINE KBE AD9	100	1083230

T&Ti STRIKER SECURITY



SYSTEM 12/20-13

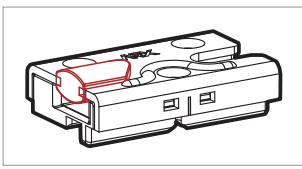
STRIKER	Pos.	Pack.	Material Nr.
ALUPLAST 2000/ 3000	R	300	1132231
	L		1132232
ALUPLAST 4000/ 5000/ 6000/ 8000	R	300	1132233
	L		1132234
BRUGMANN BluEvolution	R	300	1132249
	L		1132250
DECEUNINCK 2500/ 2800	R	300	1132245
	L		1132246
EUROCELL Modus	R	300	1132235
	L		1132236
GEALAN 7000/ 8000 /S9000	R	300	1132235
	L		1132236
INOUTIC Prestige/ Arcade	R	300	1132245
	L		1132246
LINIAR	R	300	1132249
	L		1132250
OPTIMA Profile 22	R	300	1132235
	L		1132236
PROFINE KBE 76/ 70AD	R	300	1132235
	L		1132236
PROFINE KÖMMERLING Eurofutur Clasic/ Elegance/ 88 Plus	R	300	1132239
	L		1132240
PROFINE KÖMMERLING C70/ 76 MD	R	300	1132235
	L		1132236
PROFINE TROCAL 70.A5 AD/ 70.M5 MD/ 76 AD/ 76 MD	R	300	1132235
	L		1132236
REHAU Geneo/ Synego/ S706/ S730	R	300	1132241
	L		1132242
ROLOPLAST 7000/ 7500/ 7500 3D	R	300	1132243
	L		1132244
SALAMANDER 3D/ Streamline 76	R	300	1132243
	L		1132244
SCHÜCO Corona AD/ CT70 AD/ CT70 MD/ S182 MD	R	300	1132231
	L		1132232
SELECTA Advance 70	R	300	1132235
	L		1132236
VEKA Matrix/ Softline/ Softline 82/ Topline	R	300	1132249
	L		1132250
WEISS WP3000/ WP4000/ WP5000	R	300	1132231
	L		1132232
WHS Halo System 10	R	300	1132233
	L		1132234

GROOVE SPACER for security striker (12 mm clearance) - for RC 1

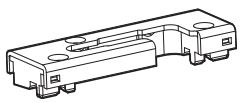


GROOVE SPACER	Pack.	Material Nr.
GROOVE SPACER	100	1116028

NOTE: install groove spacers in every free slot on security strikers (opposite side of the locking point).
* Necessary for RC 1.



T&Ti STRIKER, tilt first



SYSTEM 12/20-13

T&Ti STRIKER TF	Position	Pack.	Material Nr.
ALUPLAST 2000 / 3000	L	100	1107730
	R	100	1107729
ALUPLAST 4000 / 5000/ 6000 / 8000	L	100	1107728
	R	100	1107727
BRUGMANN BluEvolution	L	100	1107732
	R	100	1107731
EUROCELL Modus	L	100	1107667
	R	100	1107666
LINIAR	L	100	1107732
	R	100	1107731
OPTIMA Profile 22	L	100	1118839
	R	100	1118838
PROFINE KBE 70AD	L	100	1107667
	R	100	1107666
PROFINE KÖMMERLING C70/ 76 MD	L	100	1107667
	R	100	1107666
REHAU S706/ S730	L	100	1083817
	R	100	1083816
SELECTA Advance 70	L	100	1107667
	R	100	1107666
VEKA Matrix/ Softline/ Softline 82/ Topline	L	100	1107732
	R	100	1107731
WHS Halo System 10	L	100	1107728
	R	100	1107727

SECURITY STRIKER



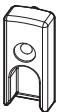
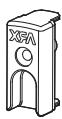
SYSTEM 12/20-13

OPPOSING HARDWARE GROOVE - OHG	Pack.	Material Nr.
STRIKER OHG SECURITY	100	1066042
SYSTEM 12/20-13		
SECURITY STRIKER	Pack.	Material Nr.
ALUPLAST 2000/ 3000	100	1083219
ALUPLAST 4000/ 5000/ 6000 / 8000	100	1083216
BRUGMANN BluEvolution	100	1083214
DECEUNINCK 2500/ 2800	100	1083218
EUROCELL Modus	100	1083217
GEALAN 7000/ 8000/ S9000	100	1083217
INOUTIC Prestige/ Arcade	100	1083218
LINIAR	100	1083214
OPTIMA Profile 22	100	1118836
PROFINE KBE 76/ 70AD	100	1083217
PROFINE KÖMMERLING Eurofutur Clasic/ Elegance/ 88 Plus	100	1098310
PROFINE KÖMMERLING C70/ 76 MD	100	1083217
PROFINE TROCAL 70.A5 AD/ 70.M5 MD/ 76 AD/ 76 MD	100	1083217
REHAU Geneo/ Synego/ S706/ S730	100	1089625
ROLOPLAST 7000/ 7500/ 7500 3D	100	1098609
SALAMANDER 3D/ Streamline 76	100	1098609
SCHÜCO Corona AD/ CT70 AD/ CT70 MD/ S182 MD	100	1083219
SELECTA Advance 70	100	1083217
VEKA Matrix/ Softline/ Softline 82/ Topline	100	1083214
WEISS WP3000/ WP4000/ WP5000	100	1083219
WHS Halo System 10	100	1083216

SYSTEM 12/20-9

SECURITY STRIKER	Pack.	Material Nr.
PROFINE KBE AD9	100	1083220

STRIKER



OPPOSING HARDWARE GROOVE - OHG		Pack.	Material Nr.
STRIKER - OHG		300	1083207

ADDITIONAL STRIKER		Pack.	Material Nr.
FRENCH WINDOW ESPAGNOLETTE M		300	1100213

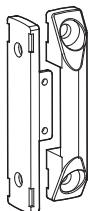
SYSTEM 12/20-13

STRIKER	Pack.	Material Nr.
ALPHACAN In Alpha/ 70	300	1083205
ALUPLAST 2000/ 3000/ 4000/ 5000/ 6000/ 8000	300	1083204
BRUGMANN BluEvolution	300	1083202
DECEUNINCK 2500/ 2800	300	1083206
EUROCELL Modus	300	1107664
GEALAN 7000/ 8000 /S9000	300	1083203
INOUTIC Prestige/ Arcade	300	1083206
LINIAR	300	1097948
OPTIMA Profile 22	300	1083205
PEŠTAN S509	300	1083205
PROFINE KBE 76/ 70AD	300	1083205
PROFINE KÖMMERLING Eurofutur Clasic/ Elegance/ 88 Plus/ C70/ 76 MD	300	1083205
PROFINE TROCAL 70.A5 AD/ 70.M5 MD/ 76 AD/ 76 MD	300	1083205
REHAU Geneo/ Synego/ S706/ S730	300	1083204
ROLOPLAST 7000/ 7500/ 7500 3D	300	1083204
ROPLASTO 7001 AD	300	1083204
SALAMANDER 3D/ Streamline 76	300	1083204
SCHÜCO Corona AD/ CT70 AD/ CT70 MD/ S182 MD	300	1083204
SELECTA Advance 70	300	1083205
VEKA Matrix/ Softline/ Softline 82/ Topline	300	1083202
VUJIČ 7000/8000	300	1097948
WEISS WP3000/ WP4000/ WP5000	300	1083204
WHS Halo System 10	300	1083204

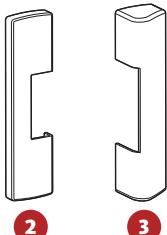
SYSTEM 12/20-9

STRIKER	Pack.	Material Nr.
3/4 mm	300	1083209
PROFINE KBE AD9	300	1083208

CENTRE STRIKER



1



2

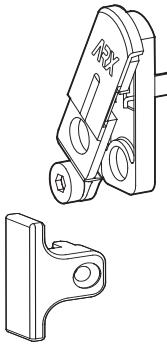


3



Type	Description	RAL	Pack.	Material Nr.
1	CENTRE STRIKER	4	200	1083304
2	CENTRE STRIKER CAP - sash	<ul style="list-style-type: none"> • RAL9006 - Silver • RAL9016 - White • RAL8019 - Greybrown 	500	1093931
3	CENTRE STRIKER CAP - frame	<ul style="list-style-type: none"> • RAL9006 - Silver • RAL9016 - White • RAL8019 - Greybrown 	250	1083282
			500	1083284
			250	1095460
			250	1083281
			250	1083283

MISHANDLING DEVICE



MISHANDLING DEVICE - SASH	Pack.	Material Nr.
MISHANDLING DEVICE - SASH	200	1093907
OPPOSING HARDWARE GROOVE	Pack.	Material Nr.
MISHANDLING DEVICE - FRAME OHG	300	1083293
MISHANDLING DEVICE - FRAME OHG FOR ESPAGNOLETTE	300	1083295

SYSTEM 12/20-13

MISHANDLING DEVICE - FRAME	Pack.	Material Nr.
ALPHACAN In Alpha/ 70	300	1099867
ALUPLAST 2000/ 3000	300	1083291
ALUPLAST 4000/ 5000/ 6000/ 8000	300	1083288
BRUGMANN BluEvolution	300	1083286
DECEUNINCK 2500/ 2800	300	1083290
EUROCELL Modus	300	1107665
GEALAN 7000/ 8000/ S9000	300	1083289
INOUTIC Prestige/ Arcade	300	1083290
LINIAR	300	1098126
OPTIMA Profile 22	300	1083289
PROFINE KBE 76/ 70AD	300	1083289
PROFINE KÖMMERLING Eurofutur Clasic/ Elegance/ 88 Plus/ C70/ 76 MD	300	1083289
PROFINE TROCAL 70.A5 AD/ 70.M5 MD/ 76 AD/ 76 MD	300	1083289
REHAU S706/ S730	300	1083287
REHAU Geneo/ Synego	300	1083289
ROLOPLAST 7000/ 7500/ 7500 3D	300	1098610
ROPLASTO 7001 AD	300	1083286
SALAMANDER 3D/ Streamline 76	300	1098610
SCHÜCO Corona AD/ CT70 AD/ CT70 MD/ S182 MD	300	1083291
SELECTA Advance 70	300	1083289
VEKA Matrix/ Softline/ Softline 82/ Topline	300	1083286
VUJIČ 7000/8000	300	1098126
WEISS WP3000/ WP4000/ WP5000	300	1083291
WHS Halo System 10	300	1083288

SYSTEM 12/20-9

MISHANDLING DEVICE - FRAME	Pack.	Material Nr.
PROFINE KBE AD9	300	1083292

NIGHT VENT STRIKER

Frame

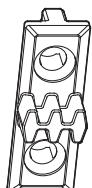


NIGHT VENT STRIKER - FRAME	Pack.	Material Nr.
ALPHACAN, ALUPLAST, BRUGMANN, EUROCELL, GEALAN, OPTIMA, PEŠTAN, PROFINE KÖMMERLING, PROFINE TROCAL, REHAU, ROLOPLAST, ROPLASTO, SALAMANDER, SCHÜCO, SELECTA, VEKA, WEISS, WHS DECEUNINCK, INOUTIC	100	1112468
DECEUNINCK, INOUTIC	100	1095741

SYSTEM 12/20-13

NIGHT VENT STRIKER - FRAME	Pack.	Material Nr.
PROFINE KBE AD9	100	1095293

Night vent striker



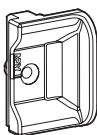
NIGHT VENT - STRIKER	Pack.	Material Nr.
ALPHACAN, ALUPLAST, BRUGMANN, EUROCELL, GEALAN, OPTIMA, PEŠTAN, PROFINE KÖMMERLING, PROFINE TROCAL, REHAU, ROLOPLAST, ROPLASTO, SALAMANDER, SCHÜCO, SELECTA, VEKA, WEISS, WHS DECEUNINCK, INOUTIC	300	1083236
DECEUNINCK, INOUTIC	300	1083238

SYSTEM 12/20-9

NIGHT VENT - STRIKER	Pack.	Material Nr.
PROFINE KBE AD9	300	1083236

CONCEALED STRIKER CLOSER

SASH

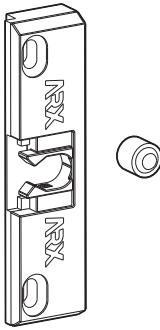


FRAME



CONCEALED STRIKER CLOSER - SASH	Pack.	Material Nr.
CONCEALED STRIKER CLOSER - SASH	200	1083296
SYSTEM 12/20-13		
CONCEALED STRIKER CLOSER - FRAME	Pack.	Material Nr.
ALPHACAN In Alpha/ 70	300	1083298
ALUPLAST 2000/ 3000	300	1083301
ALUPLAST 4000/ 5000/ 6000/ 8000	300	1083300
BRUGMANN BluEvolution	300	1083297
DECEUNINCK 2500/ 2800	300	1083299
EUROCELL Modus	300	1083298
GEALAN 7000/ 8000/ S9000	300	1083298
INOUTIC Prestige/ Arcade	300	1083299
OPTIMA Profile 22	300	1118837
PEŠTAN S509	300	1096401
PROFINE KBE 76/ 70AD	300	1083298
PROFINE KÖMMERLING Eurofutur Clasic/ Elegance/ 88 Plus/ C70/ 76 MD	300	1083298
PROFINE TROCAL 70.A5 AD/ 70.M5 MD/ 76 AD/ 76 MD	300	1083298
REHAU Geneo/ Synego/ S706/ S730	300	1083303
ROLOPLAST 7000/ 7500/ 7500 3D	300	1098611
ROPLASTO 7001 AD	300	1083303
SALAMANDER 3D/ Streamline 76	300	1098611
SELECTA Advance 70	300	1083298
SCHÜCO Corona AD/ CT70 AD/ CT70 MD/ S182 MD	300	1083301
VEKA Matrix/ Softline/ Softline 82/ Topline	300	1083297
WEISS WP3000/ WP4000/ WP5000	300	1083301
WHS Halo System 10	300	1083300
SYSTEM 12/20-9		
CONCEALED STRIKER CLOSER - FRAME	Pack.	Material Nr.
PROFINE KBE AD9	300	1083302

BULLET CATCH



BULLET CATCH CAM - SASH	Pack.	Material Nr.
BULLET CATCH CAM - SASH	100	1083305

BULLET CATCH - FRAME	Pack.	Material Nr.
BULLET CATCH - FRAME OHG FOR ESPAGNOLETTE	100	1093200
BULLET CATCH - FRAME OHG	100	1107887

SYSTEM 12/20-13

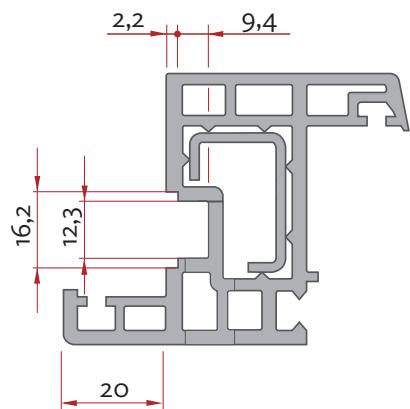
BULLET CATCH - FRAME	Pack.	Material Nr.
ALPHACAN In Alpha/ 70	100	1099868
ALUPLAST 2000/ 3000	100	1083311
ALUPLAST 4000/ 5000/ 6000/ 8000	100	1083308
BRUGMANN BluEvolution	100	1083309
DECEUNINCK 2500/ 2800	100	1083312
EUROCELL Modus	100	1083309
GEALAN 7000/ 8000/ S9000	100	1083309
INOUTIC Prestige/ Arcade	100	1083312
OPTIMA Profile 22	100	1118835
PROFINE KBE 76/ 70AD	100	1083309
PROFINE KÖMMERLING Eurofutur Clasic/ Elegance/ 88 Plus/ C70/ 76 MD	100	1083309
PROFINE TROCAL 70.A5 AD/ 70.M5 MD/ 76 AD/ 76 MD	100	1083309
REHAU Geneo/ Synego/ S706/ S730	100	1083307
ROLOPLAST 7000/ 7500/ 7500 3D	100	1098612
SALAMANDER 3D/ Streamline 76	100	1098612
SCHÜCO Corona AD/ CT70 AD/ CT70 MD/ S182 MD	100	1083311
SELECTA Advance 70	100	1083309
VEKA Matrix/ Softline/ Softline 82/ Topline	100	1083306
WEISS WP3000/ WP4000/ WP5000	100	1083311
WHS Halo System 10	100	1083308

SYSTEM 12/20-9

BULLET CATCH - FRAME	Pack.	Material Nr.
PROFINE KBE AD9	100	1093915

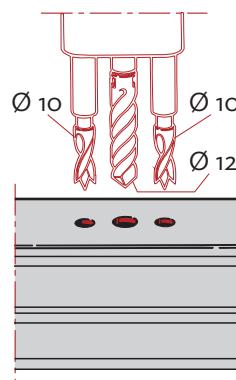
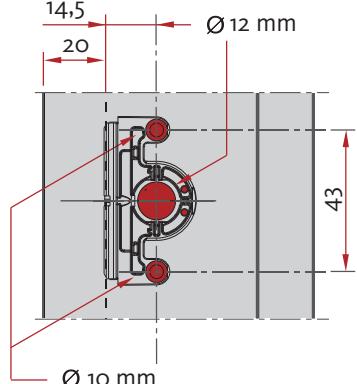
SASH - SASH PROFILE, WINDOW HANDLE, DRILL HOLES AND INSTALLATION

SASH CROSS SECTION DIMENSION FOR HARDWARE



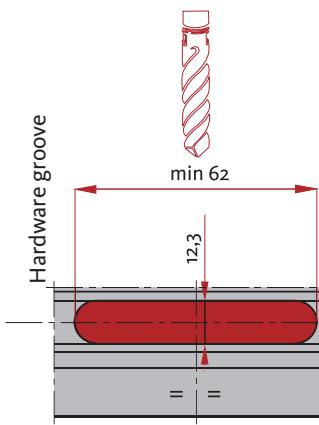
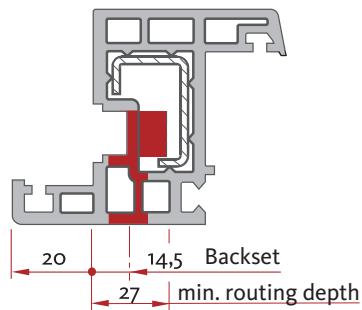
WINDOW-HANDLE DRILLING

GEAR-CASE SPROCTEK AND LUGS' DRILL HOLES FOR THE WINDOW-HANDLE



ROUTING

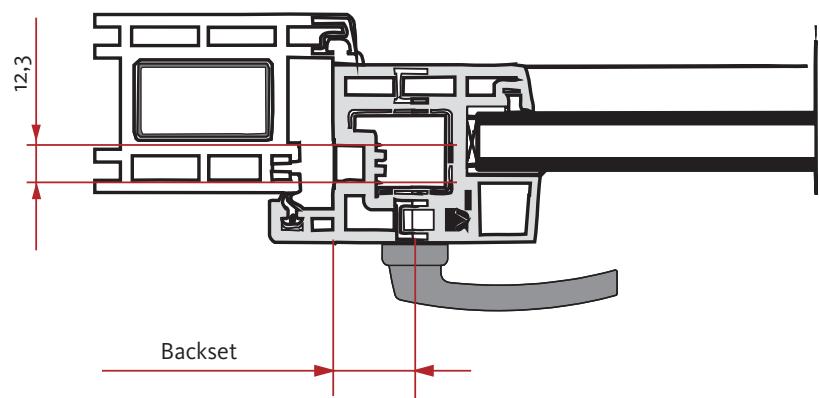
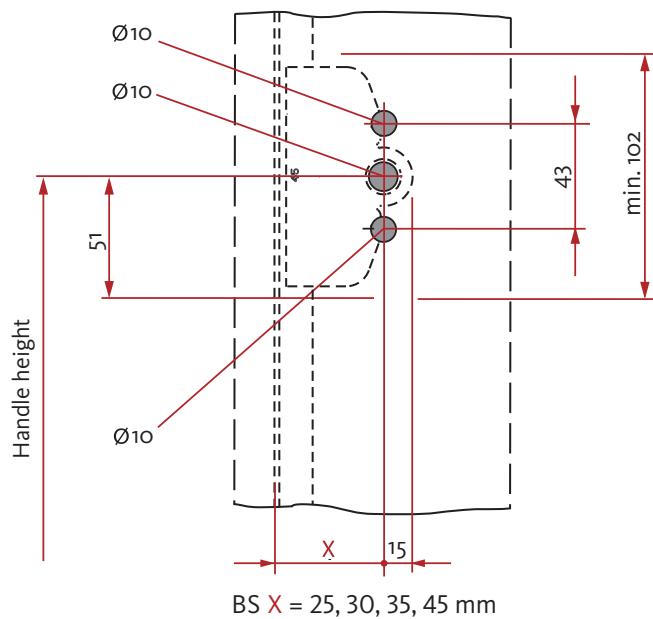
ESPAÑOLETTE GEAR-CASING



SASH - SASH PROFILE, WINDOW HANDLE, DRILL HOLES AND INSTALATION

T&T ESPAGNOLETTE M – larger backsets

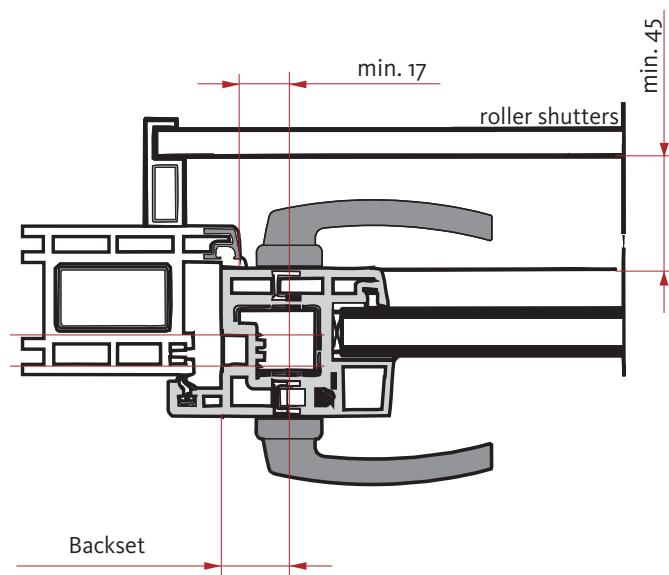
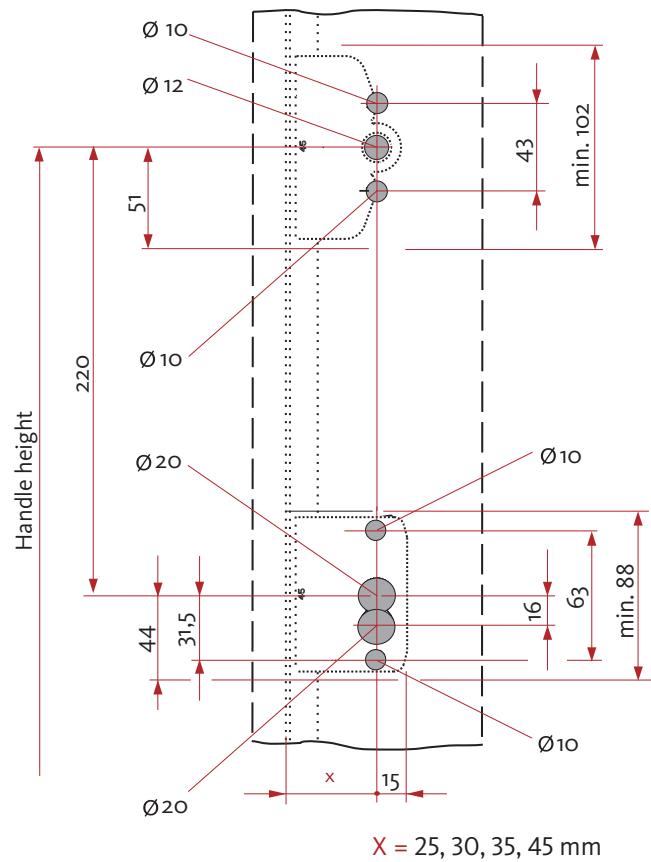
BS = 25, 30, 35, 45 mm



SUITABLE FOR WIDER WINDOW AND BALCONY DOOR PROFILES.

SASH - SASH PROFILE, WINDOW HANDLE, DRILL HOLES AND INSTALATION

T&T ESPAGNOLETTE M – larger backsets, lockable



SUITABLE FOR WIDER DOOR AND BALCONY DOOR PROFILES.

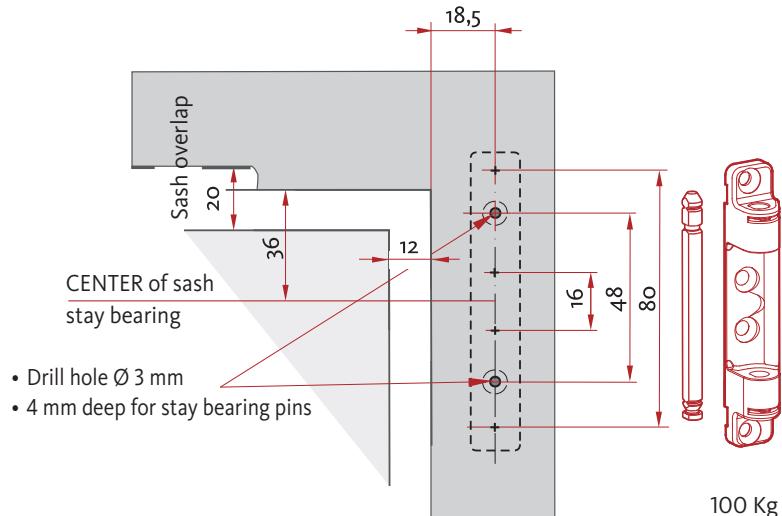
FRAME DRILLING DIMENSIONS

DRILLING JIG

DRILLING DIMENSIONS - FRAME

SASH STAY BEARING
100 Kg

DRILLING JIG - FRAME
SASH STAY BEARING/CORNER PIVOT REST

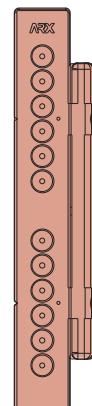


OTHER 4 HOLES:

- DRILL Ø 3 mm
- THROUGH THE REINFORCEMENT

MAT. NR. 1083250

WHEN USING AN 18 OR 22 mm HARDWARE
OVERLAP, READJUST THE DRILLING JIG.

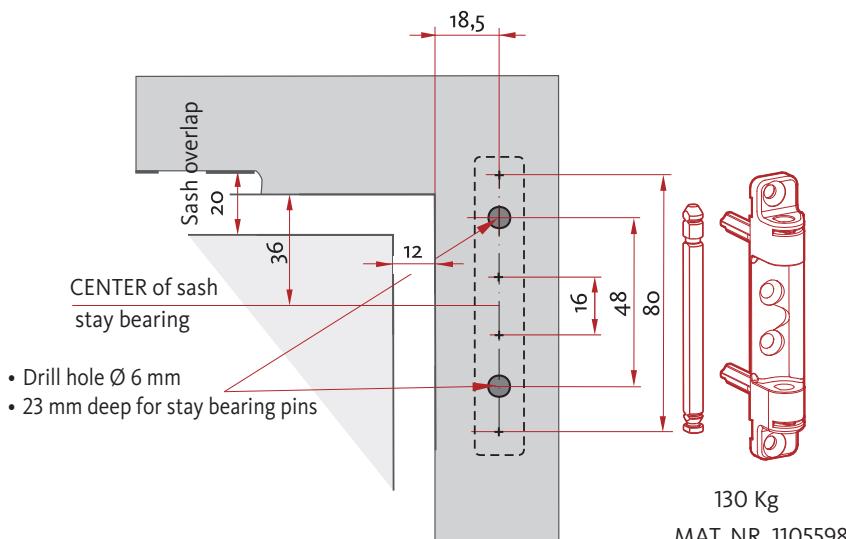


DRILLING JIG-FRAME
MAT. NR.1100153

DRILLING DIMENSIONS - FRAME

SASH STAY BEARING
130 Kg

DRILLING JIG - FRAME
SASH STAY BEARING/CORNER PIVOT REST

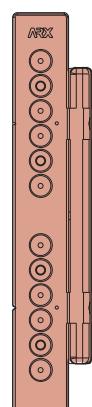


OTHER 4 HOLES:

- DRILL Ø 3 mm
- THROUGH THE REINFORCEMENT

130 Kg
MAT. NR. 1105598

WHEN USING AN 18 OR 22 mm HARDWARE
OVERLAP, READJUST THE DRILLING JIG.



DRILLING JIG-FRAME
MAT. NR.1107607

SUPPORTING-PINS AND SCREWS MUST PENETRATE AT LEAST TWO PROFILE WALLS.

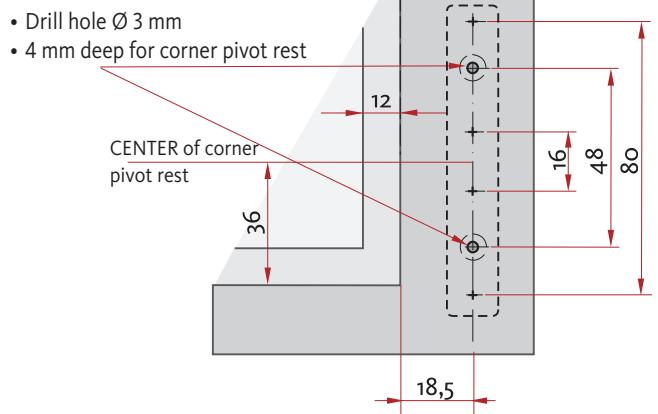
FRAME DRILLING DIMENSIONS

DRILLING JIG

DRILLING DIMENSIONS - FRAME

CORNER PIVOT REST
100 Kg

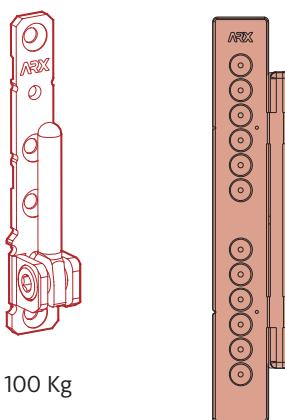
DRILLING JIG - FRAME
CORNER PIVOT REST / SASH STAY BEARING



OTHER 4 HOLES:

- DRILL Ø 3 mm
- THROUGH THE REINFORCEMENT

MAT. NR. 1083247



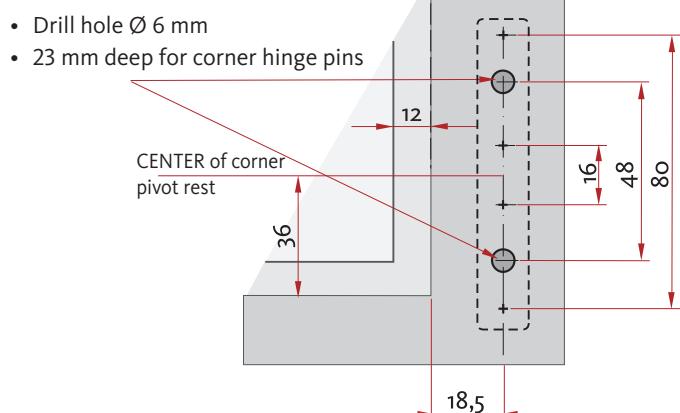
DRILLING JIG-FRAME
MAT. NR. 1100153

WHEN USING AN 18 OR 22 mm HARDWARE
OVERLAP, READJUST THE DRILLING JIG.

DRILLING DIMENSIONS - FRAME

CORNER PIVOT REST
130 Kg

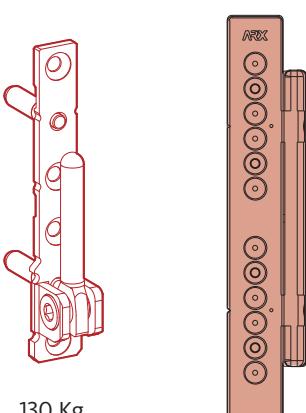
DRILLING JIG - FRAME
CORNER PIVOT REST / SASH STAY BEARING



OTHER 4 HOLES:

- DRILL Ø 3 mm
- THROUGH THE REINFORCEMENT

MAT. NR. 1105596



DRILLING JIG-FRAME
MAT. NR. 1107607

WHEN USING AN 18 OR 22 mm HARDWARE
OVERLAP, READJUST THE DRILLING JIG.

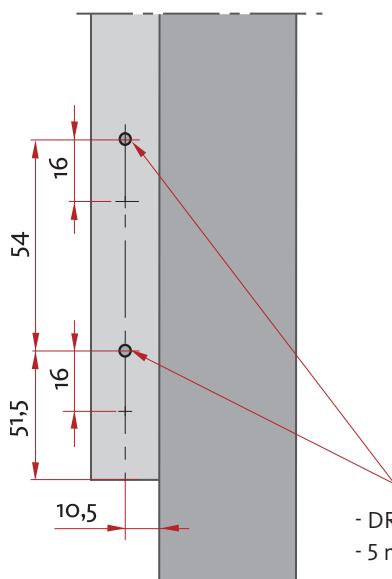
SUPPORTING-PINS AND SCREWS MUST PENETRATE AT LEAST TWO PROFILE WALLS.

SASH DRILLING DIMENSIONS

DRILLING JIG

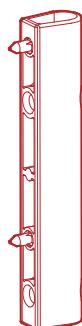
DRILLING DIMENSIONS - SASH

CORNER HINGE
100 Kg

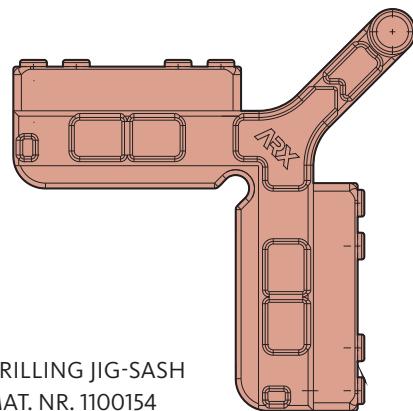


MAT. NR.:

- 1083241
- 1083243 - ADJUSTABLE



- DRILL HOLE Ø 3 mm
- 5 mm DEEP FOR CORNER HINGE

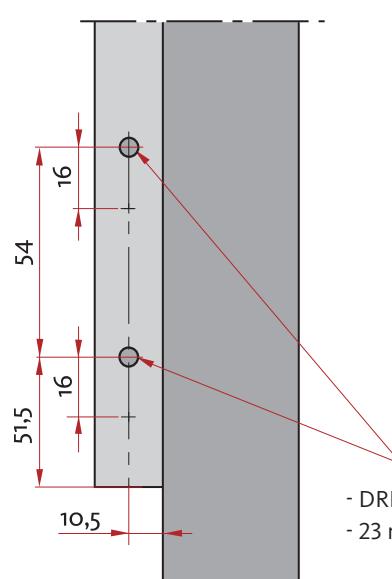


DRILLING JIG-SASH
MAT. NR. 1100154

WHEN USING A 9 mm HARDWARE
AXIS, READJUST THE DRILLING JIG.

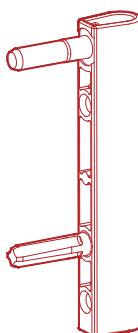
DRILLING DIMENSIONS - SASH

CORNER HINGE
130 Kg

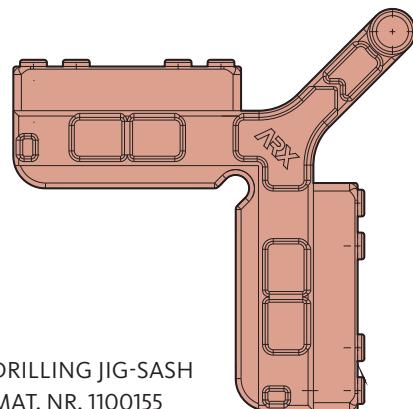


MAT. NR.:

- 1083242



- DRILL HOLE Ø 6 mm
- 23 mm DEEP FOR CORNER HINGE

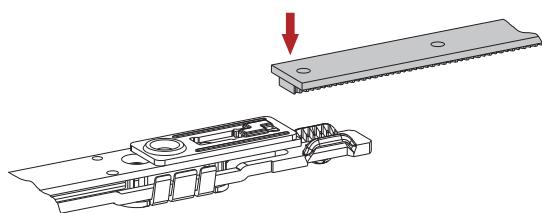


DRILLING JIG-SASH
MAT. NR. 1100155

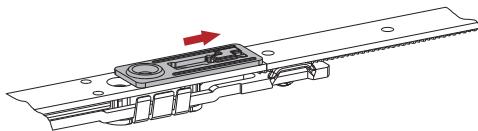
WHEN USING A 9 mm HARDWARE AXIS,
READJUST THE DRILLING JIG.

INSTALLATION INSTRUCTION

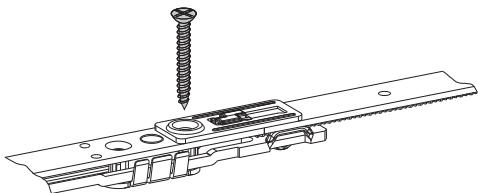
Flat shortening + installation



Move the slider in the locked position



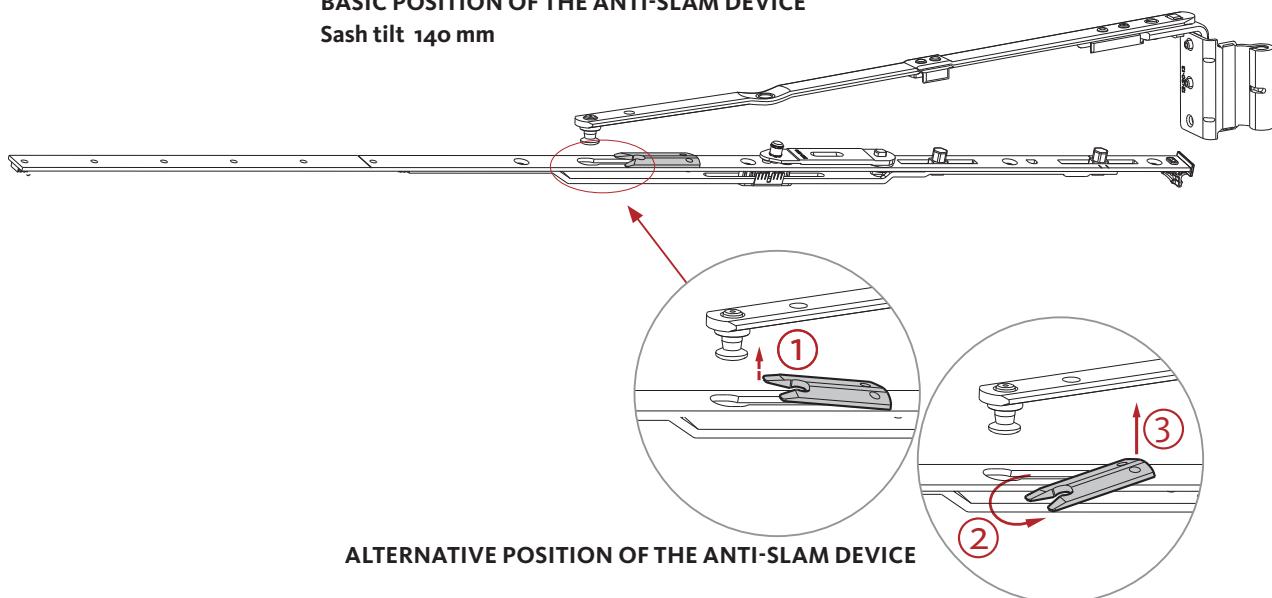
Screw the slider



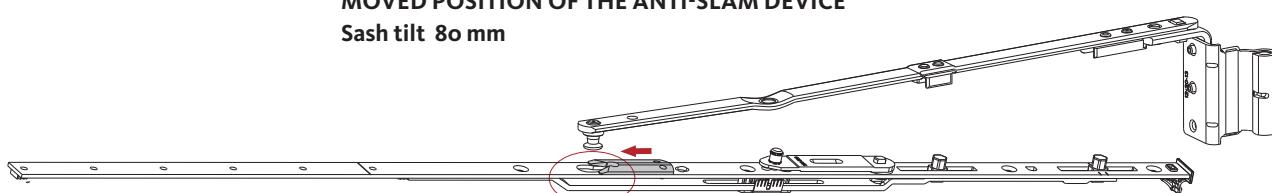
INSTALLATION INSTRUCTION FOR STAY ARM

The position of the Anti-slam device

BASIC POSITION OF THE ANTI-SLAM DEVICE
Sash tilt 140 mm

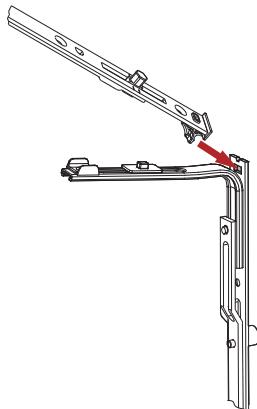


MOVED POSITION OF THE ANTI-SLAM DEVICE
Sash tilt 80 mm

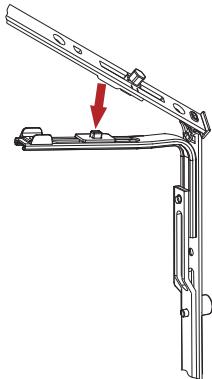


INSTALLATION INSTRUCTION

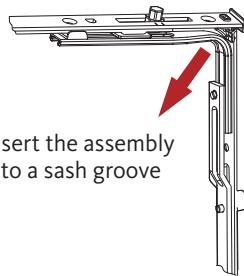
Stay guide, Centre lock and T&Ti corner drive



A) Insert connecting bracket into the hole of a centre lock

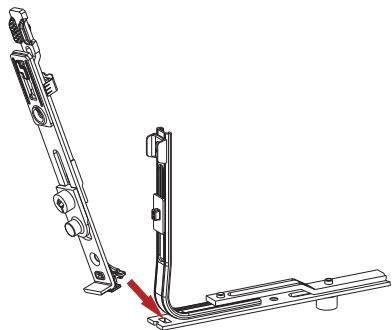


B) Clamp the straightened stay guide connector into the hole of a driving rod

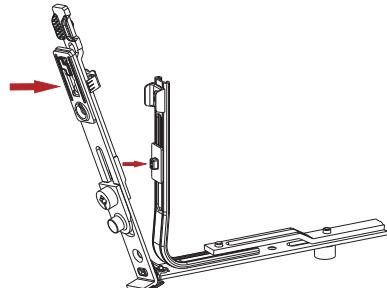


Insert the assembly into a sash groove

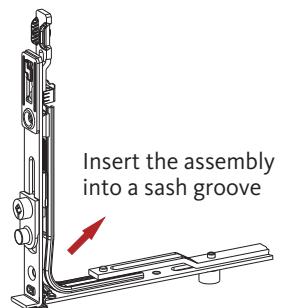
Espagnolette, Tilt lock bolt, Extension, Centre lock, T&Ti Corner drive



A) Insert the connecting bracket into the hole of a centre lock



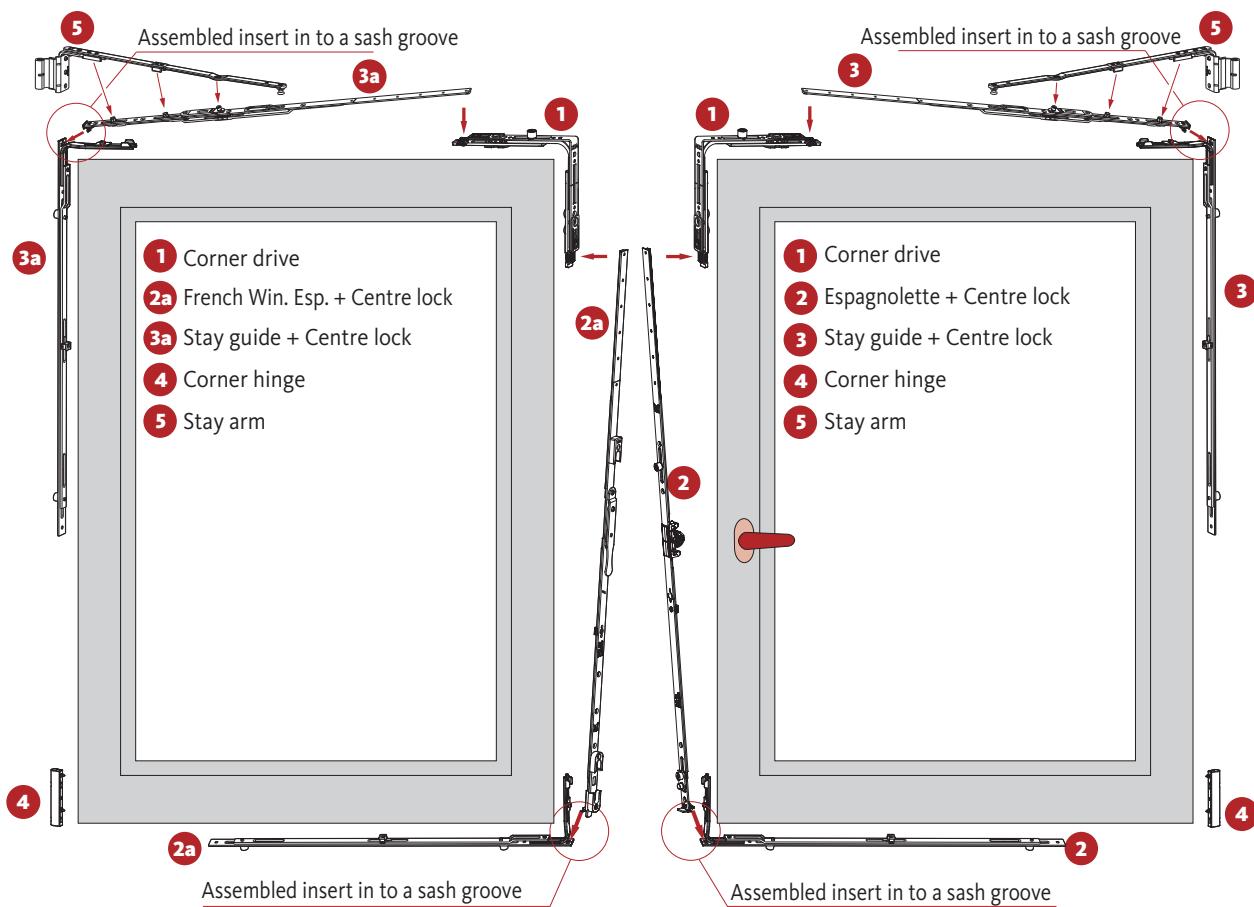
B) Clamp the straightened tilt lock bolt connector into the hole of a driving rod



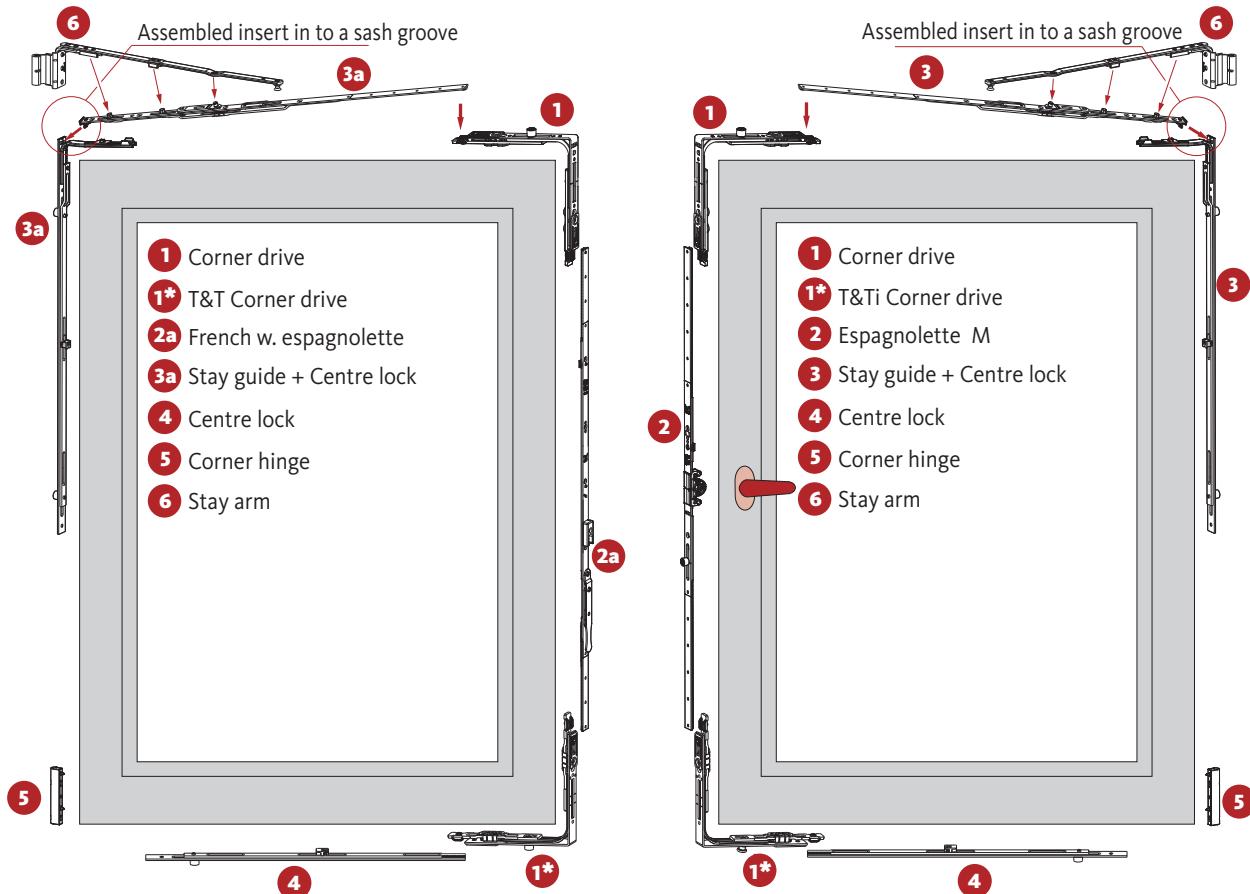
Insert the assembly into a sash groove

INSTALLATION INSTRUCTION

FIXED HANDLE HEIGHT

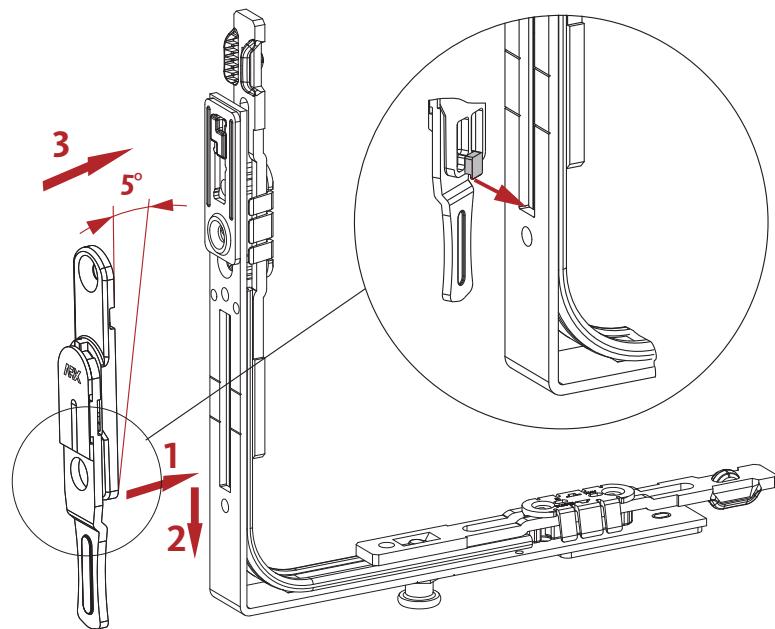


CENTERED / VARIABLE HANDLE HEIGHT

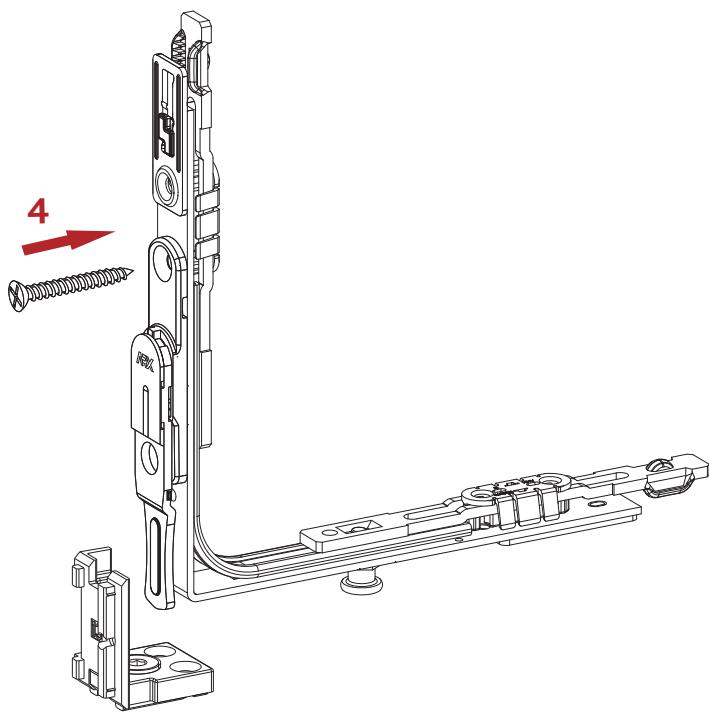


INSTRUCTIONS FOR ASSEMBLY SET ARCHED WINDOW

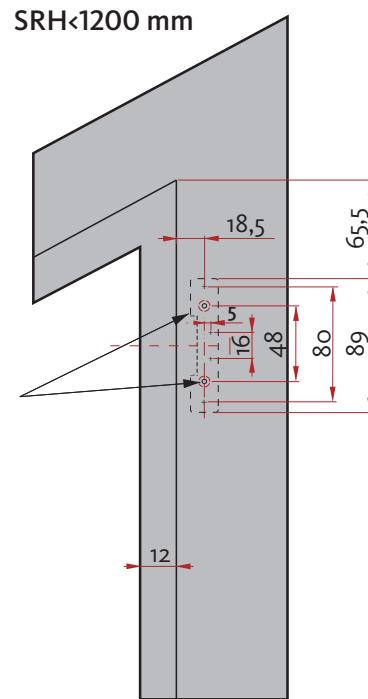
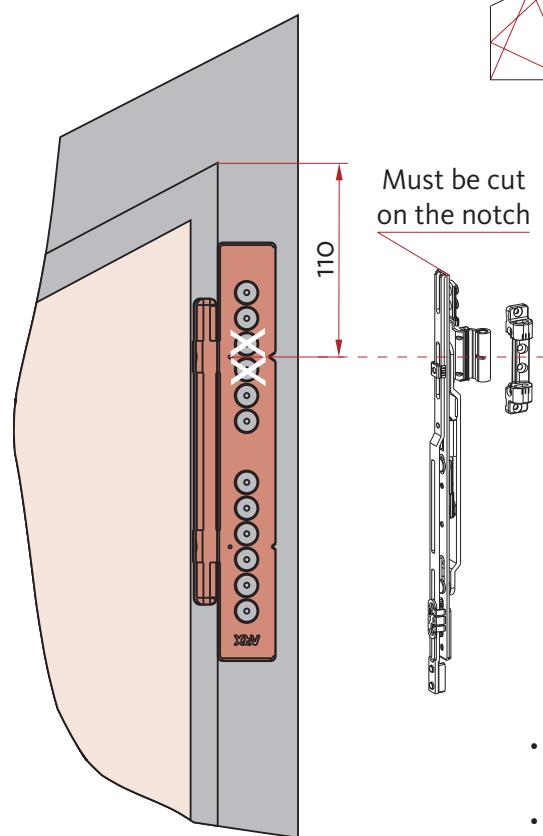
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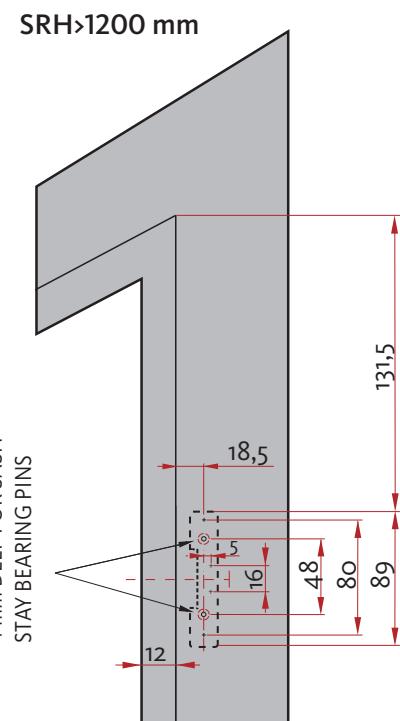
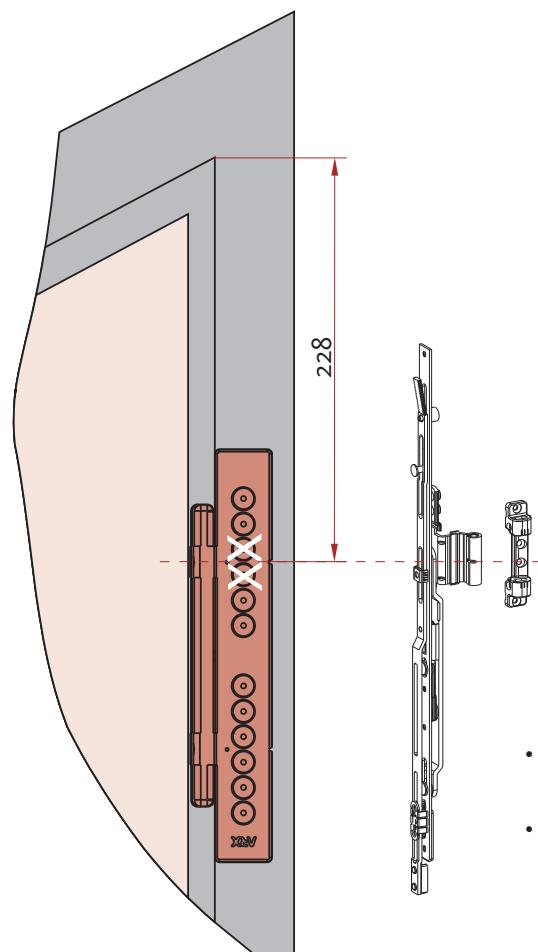
2.



INSTALLATION INSTRUCTION PITCHED WINDOW

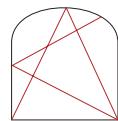
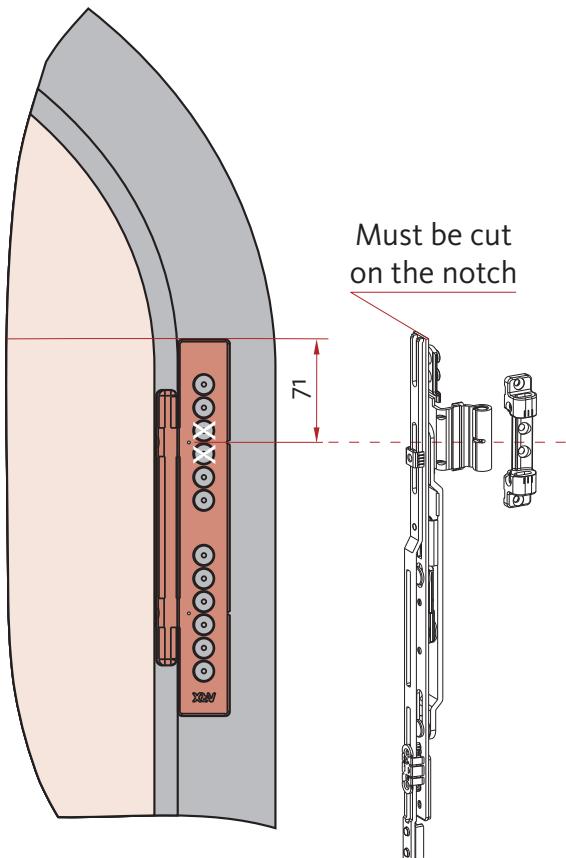


- DRILL TOP AND BOTTOM HOLES (\varnothing 3 mm) WITH JIG THROUGH THE REINFORCEMENT
- DRILL THE MIDDLE TWO HOLES (\varnothing 3 mm) THROUGH THE REINFORCEMENT AFTER THE SASH STAY BEARING IS PUT TO PLACE

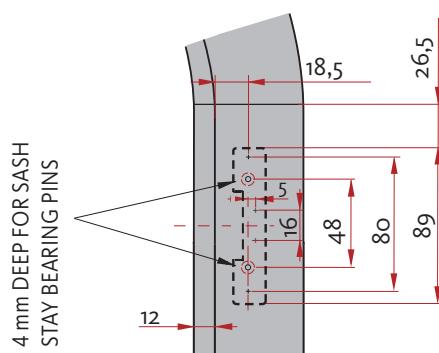


- DRILL TOP AND BOTTOM HOLES (\varnothing 3 mm) WITH JIG THROUGH THE REINFORCEMENT
- DRILL THE MIDDLE TWO HOLES (\varnothing 3 mm) THROUGH THE REINFORCEMENT AFTER THE SASH STAY BEARING IS PUT TO PLACE

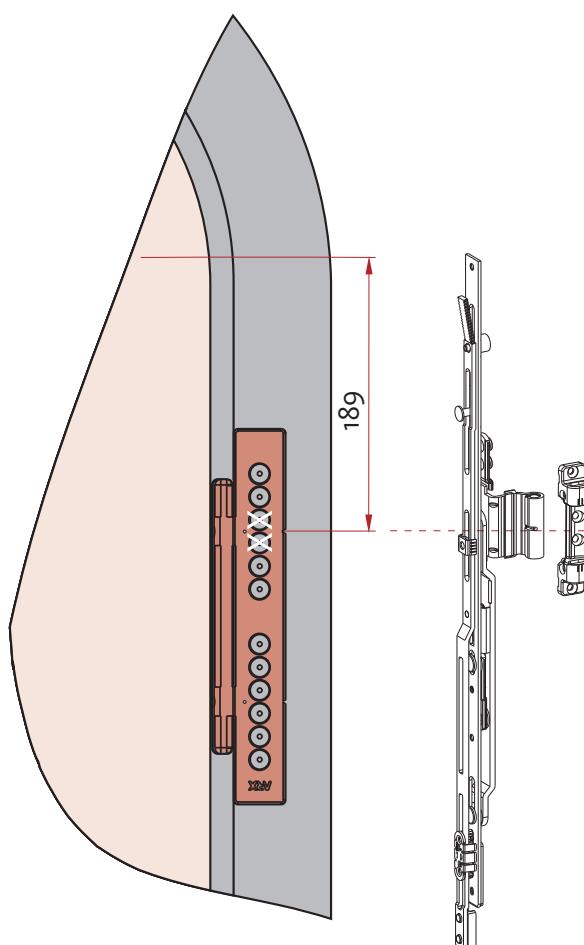
INSTALLATION INSTRUCTION ARCHED WINDOW



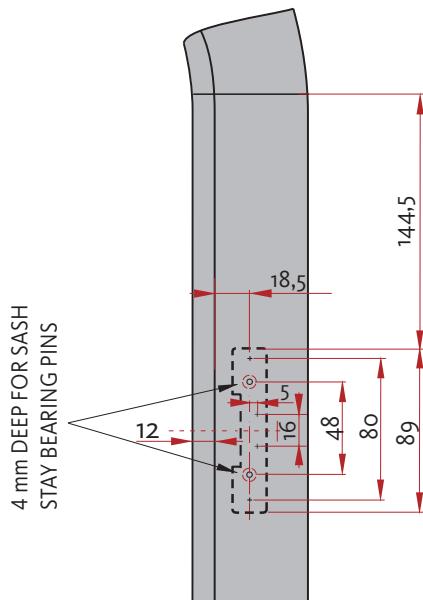
SRH<1200 mm



- DRILL TOP AND BOTTOM HOLES (\varnothing 3 mm) WITH JIG THROUGH THE REINFORCEMENT
- DRILL THE MIDDLE TWO HOLES (\varnothing 3 mm) THROUGH THE REINFORCEMENT AFTER THE SASH STAY BEARING IS PUT TO PLACE

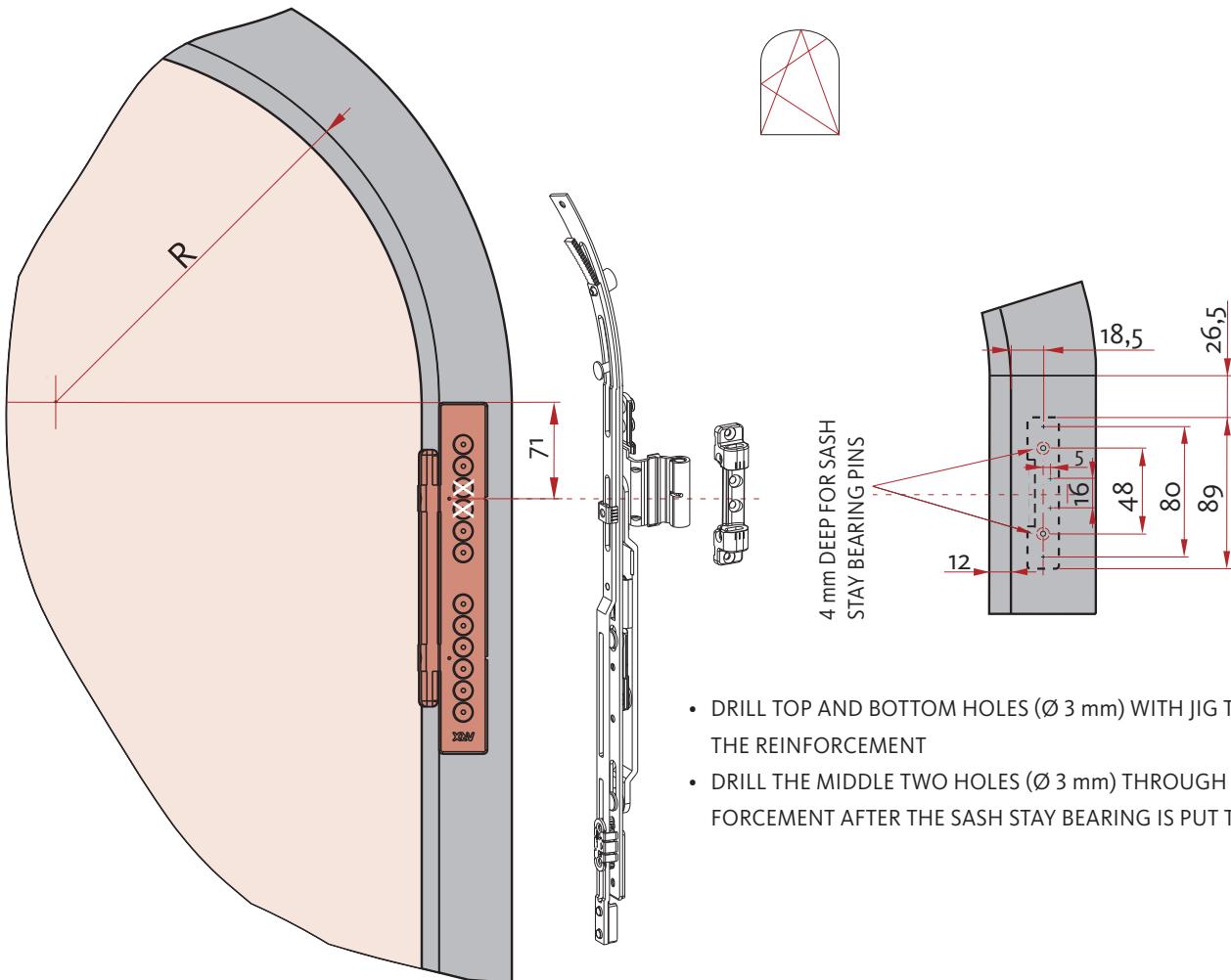


SRH>1200 mm



- DRILL TOP AND BOTTOM HOLES (\varnothing 3 mm) WITH JIG THROUGH THE REINFORCEMENT
- DRILL THE MIDDLE TWO HOLES (\varnothing 3 mm) THROUGH THE REINFORCEMENT AFTER THE SASH STAY BEARING IS PUT TO PLACE

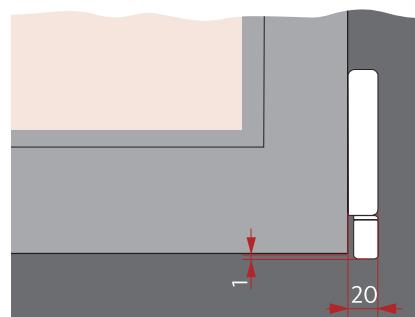
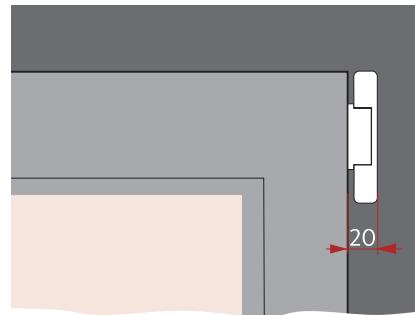
INSTALLATION INSTRUCTION ARCHED WINDOW



- DRILL TOP AND BOTTOM HOLES (\varnothing 3 mm) WITH JIG THROUGH THE REINFORCEMENT
- DRILL THE MIDDLE TWO HOLES (\varnothing 3 mm) THROUGH THE REINFORCEMENT AFTER THE SASH STAY BEARING IS PUT TO PLACE

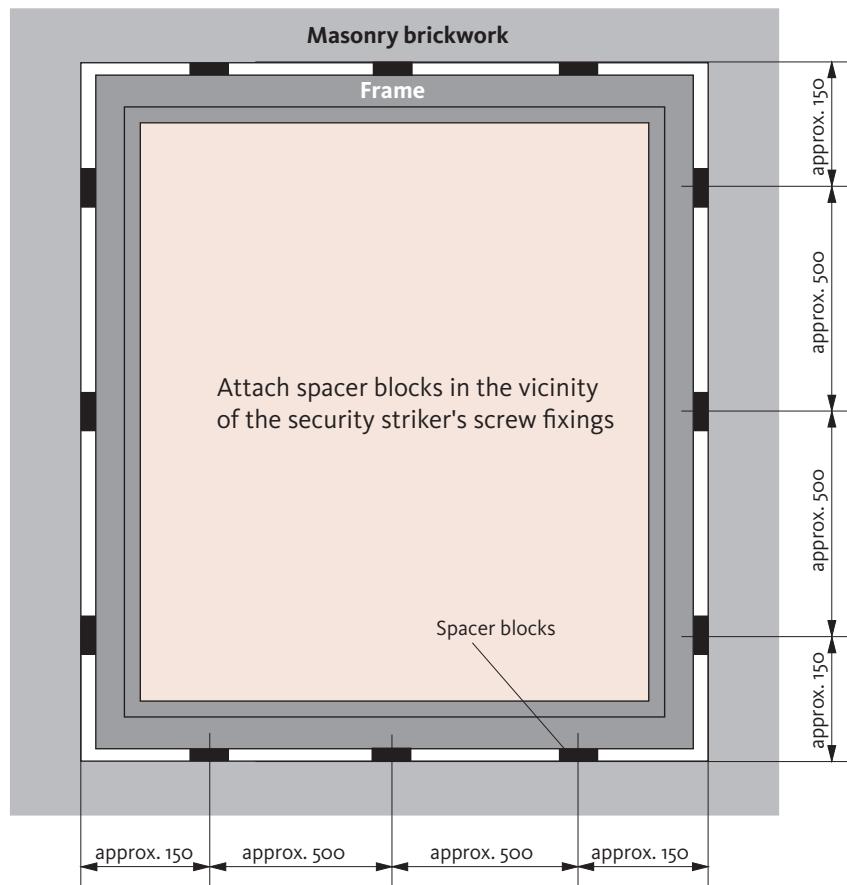
FRAME CLEARANCES (include cover cup)

Sash weight 100 kg



INSTALLATION

FIXING SUGGESTION FOR THE INSTALLATION OF WINDOWS

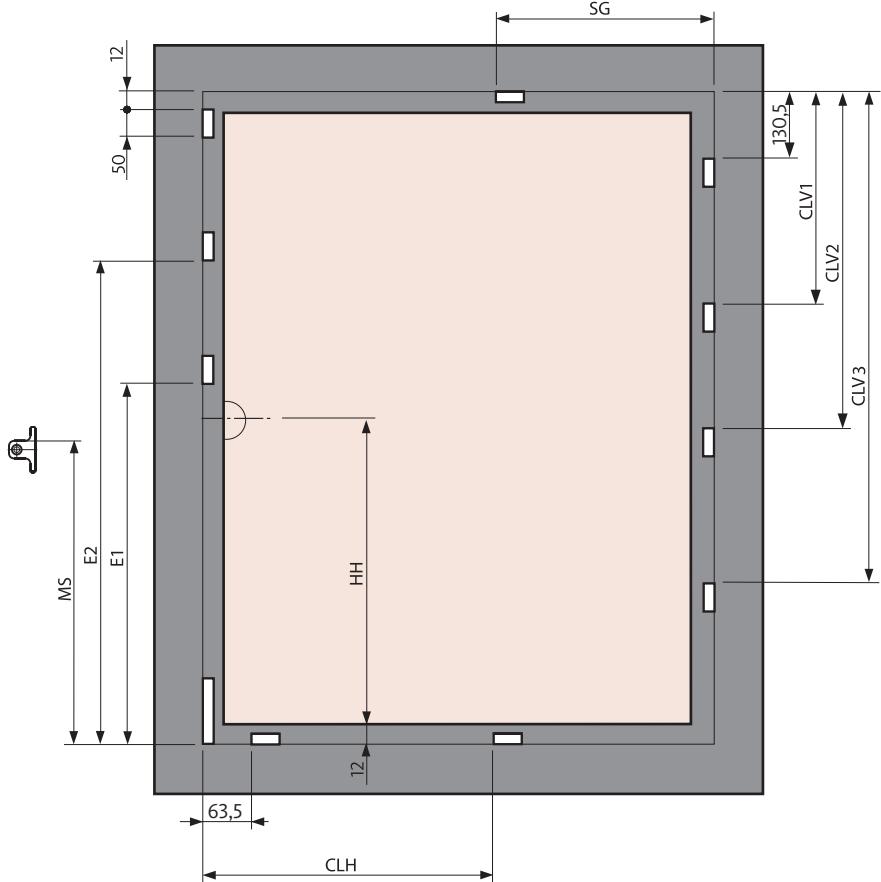


MOUNTING HARDWARE TO THE FRAME

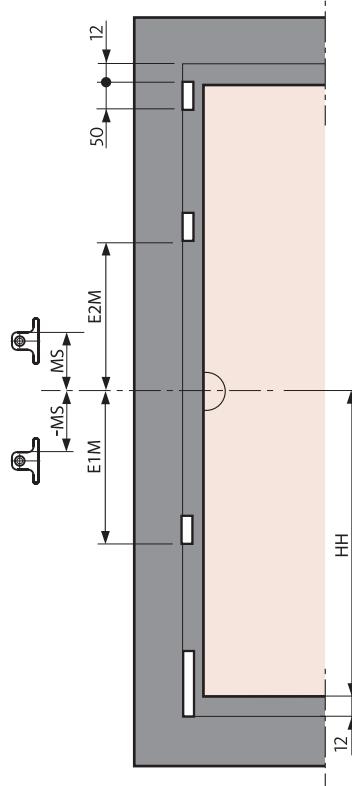
INSTALLATION CLOSING ELEMENTS

TILT&TURN HARDWARE - BASIC

FIXED HANDLE HEIGHT



CENTERED/
VARIABLE HANDLE HEIGHT



T&T ESPAGNOLETTE, FIXED HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1	E2	MS
320-460	120	320	•	•	•
461-600	170	460	•	•	230,5
601-800	263	660	•	•	145,5
801-1000	413	860	•	•	295,5
801-1000	413	860	549,5	•	295,5
1001-1200	513	1060	699,5	•	395,5
1201-1400	563	1260	699,5	•	395,5
1401-1600	563	1460	699,5	•	395,5
1601-1800	563	1660	699,5	•	395,5
1601-1800	1000	1660	699,5	•	395,5
1801-2000	1000	1860	699,5	1369,5	1128,5
2001-2200	1000	2060	699,5	1369,5	1128,5
2201-2400	1000	2260	699,5	1369,5	1128,5

CENTRE LOCK - VERTICAL

Sash rebate height	Lenght	CLV1	CLV2	CLV3
600-800	350	324,5	•	•
801-1200	550	524,5	•	•
1201-1600	850	824,5	•	•
1601-2200	1550	824,5	1524,5	•
2201-2400	2000	824,5	1524,5	1974,5

CENTRE LOCK - HORIZONTAL

Sash rebate width	Lenght	CLH
600-800	350	257,5
801-1200	550	457,5
1201-1400	850	757,5

STAY GUIDE

Sash rebate width	Lenght	SG
250-410	290	•
411-610	470	•
611-810	670	•
811-1010	870	550,5
1011-1210	1070	611,5
1211-1400	1270	811,5

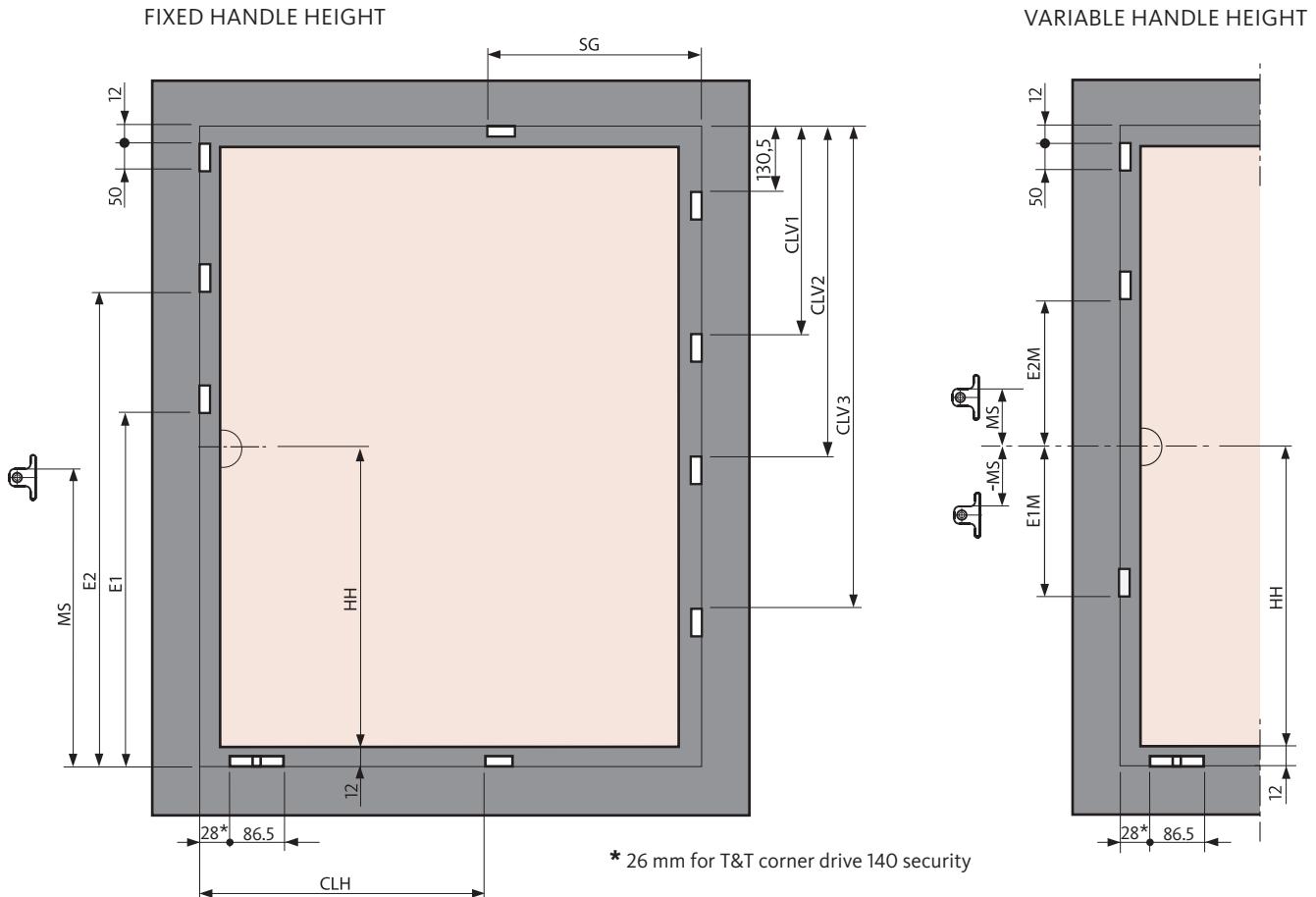
T&T ESPAGNOLETTE M, CENTERED/VARIABLE HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1M	E2M	MS
420-620	210-310	340	•	•	•
600-1000	300-500	720	102,5	•	37,5
900-1400	450-700	1120	102,5	•	98,5
1401-1800	701-900	1520	102,5	•	98,5
1601-2000	801-1000	1720	302,5	317,5	- 122,5
2001-2400	1001-1200	2120	302,5	317,5	- 122,5

MOUNTING HARDWARE TO THE FRAME

INSTALLATION CLOSING ELEMENTS

TIET&TURN HARDWARE - STANDARD



T&Ti ESPAGNOLETTE, FIXED HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1	E2	MS
320-460	120	320	•	•	•
461-600	170	460	•	•	230,5
601-800	263	660	•	•	145,5
801-1000	413	860	•	•	295,5
801-1000	413	860	549,5	•	295,5
1001-1200	513	1060	699,5	•	395,5
1201-1400	563	1260	699,5	•	395,5
1401-1600	563	1460	699,5	•	395,5
1601-1800	563	1660	699,5	•	395,5
1601-1800	1000	1660	699,5	•	395,5
1801-2000	1000	1860	699,5	1369,5	1128,5
2001-2200	1000	2060	699,5	1369,5	1128,5
2201-2400	1000	2260	699,5	1369,5	1128,5

CENTRE LOCK - VERTICAL

Sash rebate height	Lenght	CLV1	CLV2	CLV3
600-800	350	324,5	•	•
801-1200	550	524,5	•	•
1201-1600	850	824,5	•	•
1601-2200	1550	824,5	1524,5	•
2201-2400	2000	824,5	1524,5	1974,5

CENTRE LOCK - HORIZONTAL

Sash rebate width	Lenght	CLH
801-1200	400	432,5
1201-1400	600	632,5

STAY GUIDE

Sash rebate width	Lenght	SG
250-410	290	•
411-610	470	•
611-810	670	•
811-1010	870	550,5
1011-1210	1070	611,5
1211-1400	1270	811,5

T&T ESPAGNOLETTE M, CENTERED/VARIABLE HANDLE HEIGHT

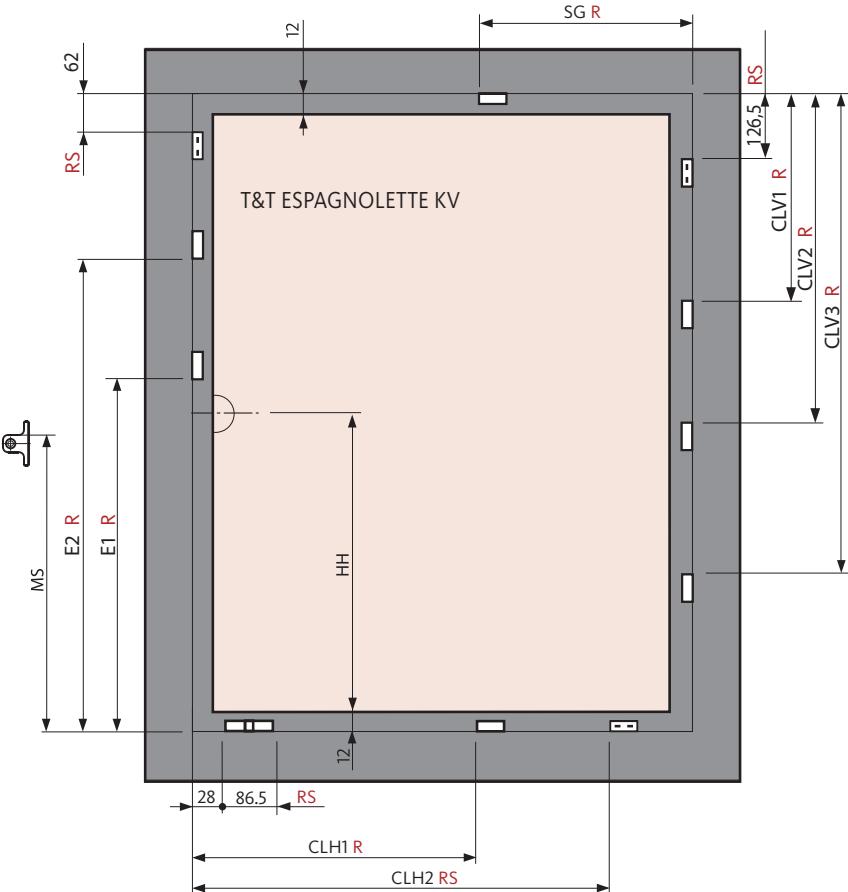
Sash rebate height	HH	Lenght	E1M	E2M	MS
420-620	210-310	340	•	•	•
600-1000	300-500	720	102,5	•	37,5
900-1400	450-700	1120	102,5	•	98,5
1401-1800	701-900	1520	102,5	•	98,5
1601-2000	801-1000	1720	302,5	317,5	- 122,5
2001-2400	1001-1200	2120	302,5	317,5	- 122,5

MOUNTING HARDWARE TO THE FRAME

INSTALLATION CLOSING ELEMENTS

TILT&TURN HARDWARE - RC 1 SECURITY

FIXED HANDLE HEIGHT



T&T ESPAGNOLETTE KV, FIXED HANDLE HEIGHT

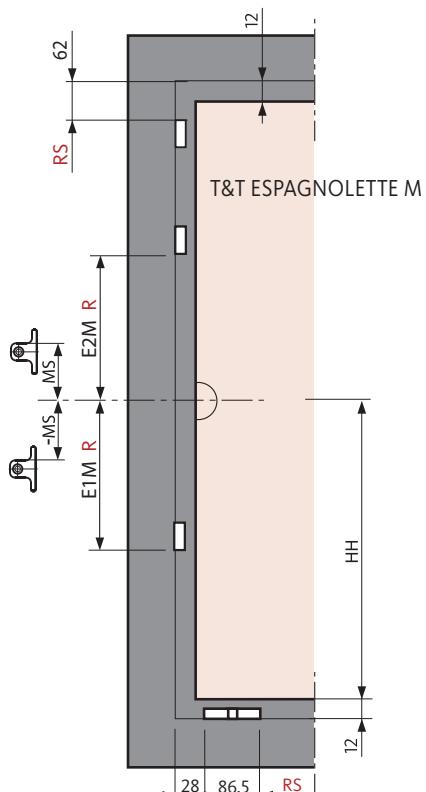
Sash rebate height	HH	Lenght	E1 R	E2 R	MS
550-690	259	410	•	•	320
601-800	263	520	•	•	328
801-1000	413	720	•	•	297
801-1000	413	720	549,5	•	297
1001-1200	513	920	699,5	•	496
1201-1400	563	1120	699,5	•	496
1401-1600	563	1320	699,5	•	496
1601-1800	563	1520	699,5	•	496
1601-1800	1000	1520	699,5	•	496
1801-2000	1000	1720	1369,5	699,5	1129
2001-2200	1000	1920	1369,5	699,5	1129
2201-2400	1000	2120	1369,5	699,5	1129

STAY GUIDE

Sash rebate width	Lenght	SG R
340-410	290	•
411-610	470	•
611-810	670	•
811-1010	870	550,5
1011-1210	1070	611,5
1211-1400	1270	811,5



CENTERED/
VARIABLE HANDLE HEIGHT



CENTRE LOCK - VERTICAL

Sash rebate height	Lenght	CLV1 R	CLV2 R	CLV3 R
801-1200	400 1R	540,5	•	•
1201-1600	600 1R	740,5	•	•
1601-2000	600 1R + 600 1R	740,5	1340,5	•
2001-2200	2x600 1R + 400 1R	740,5	1340,5	1740,5
2201-2400	2x600 1R + 600 1R	740,5	1340,5	1940,5

CENTRE LOCK - HORIZONTAL

Sash rebate width	Lenght	CLH1 R	CLH2 RS
340-540	200 1RS	•	283,5
541-740	400 1RS	•	483,5
741-940	600 1RS	•	683,5
941-1140	600 1R + 200 1RS	683,5	883,5
1141-1340	600 1R + 400 1RS	683,5	1083,5
1341-1400	600 1R + 600 1RS	683,5	1283,5

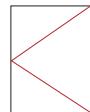
T&T ESPAGNOLETTE M, CENTERED/VARIABLE HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1M R	E2M R	MS
420-620	210-310	340	•	•	•
600-1000	300-500	720	102,5	•	37,5
900-1400	450-700	1120	102,5	•	98,5
1401-1800	701-900	1520	102,5	•	98,5
1601-2000	801-1000	1720	302,5	317,5	- 122,5
2001-2400	1001-1200	2120	302,5	317,5	- 122,5

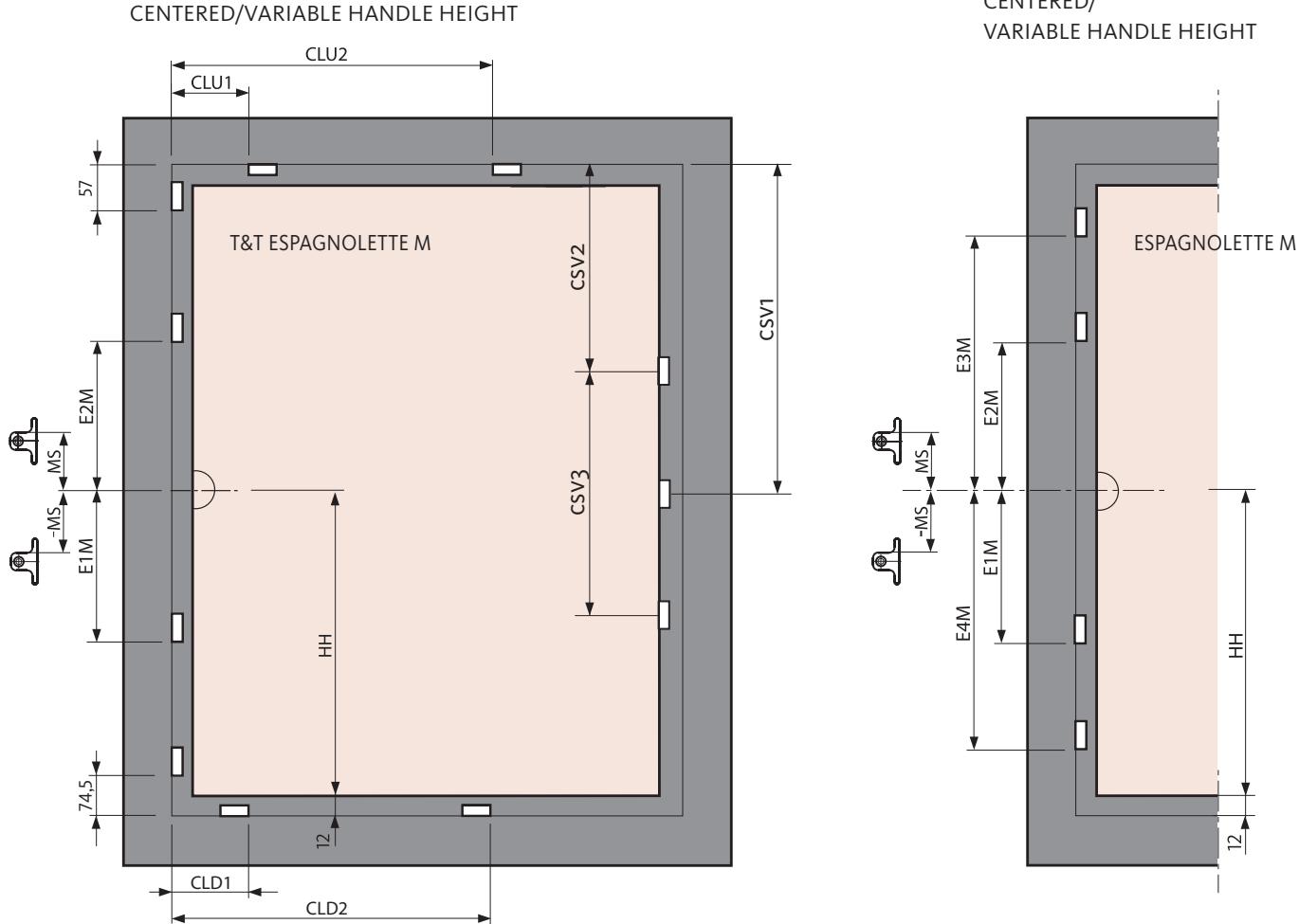
MOUNTING HARDWARE TO THE FRAME

INSTALLATION CLOSING ELEMENTS

TURN HARDWARE



CENTERED/
VARIABLE HANDLE HEIGHT



T&T ESPAGNOLETTE M, CENTERED/VARIABLE HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1M	E2M	MS
420-620	210-310	340	•	•	•
600-1000	300-500	720	102,5	•	37,5
900-1400	450-700	1120	102,5	•	98,5
1401-1800	701-900	1520	102,5	•	98,5
1601-2000	801-1000	1720	302,5	317,5	- 122,5
2001-2400	1001-1200	2120	302,5	317,5	- 122,5

CENTRE LOCK - UP

Sash rebate width	Lenght	CLU1	CLU2
600-800	350	324,5	•
801-1200	550	130,5	524,5
1201-1400	850	130,5	824,5

CENTRE LOCK - DOWN

Sash rebate width	Lenght	CLD1	CLD2
600-800	350	307,5	•
801-1200	550	113,5	507,5
1201-1400	850	113,5	807,5

CONCEALED STRIKER

Sash rebate height	CSV1	CSV2	CSV3
800-1400	FFH/2	•	•
1401-2400	•	FFH/3	FFH/3

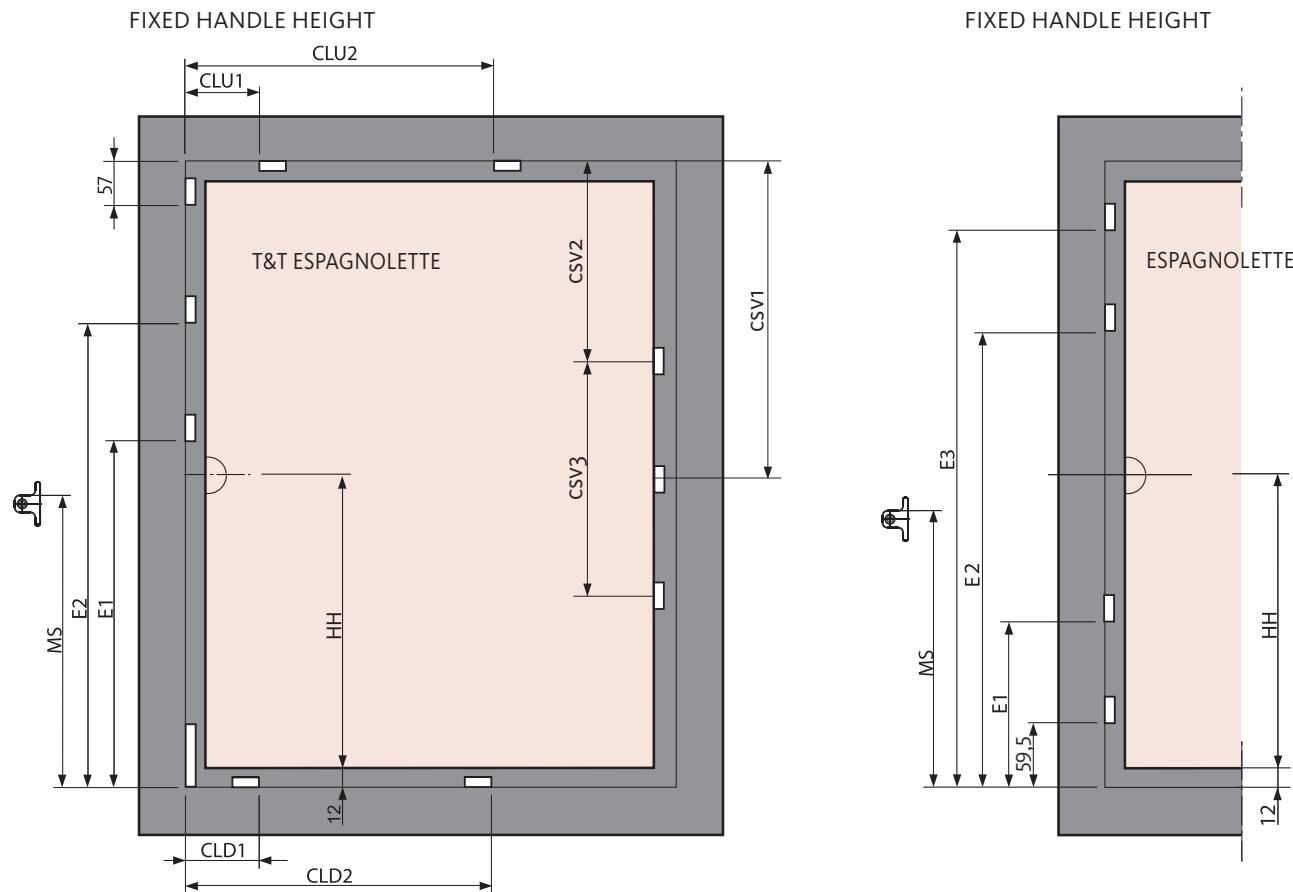
ESPAGNOLETTE M, CENTERED/VARIABLE HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1M	E2M	E3M	E4M	MS
180-250	90-125	150	56,5	•	•	•	•
251-500	126-250	500	67,5	•	•	•	•
501-900	251-450	900	192,5	207,5	•	•	- 129,5
901-1400	451-700	1400	392,5	120,5	407,5	•	- 129,5
1401-1900	701-950	1900	242,5	257,5	657,5	642,5	88,5
1901-2400	950-1200	2400	342,5	357,5	907,5	892,5	88,5

MOUNTING HARDWARE TO THE FRAME

INSTALLATION CLOSING ELEMENTS

TURN HARDWARE



T&T ESPAGNOLETTE, FIXED HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1	E2	MS
320-460	120	320	•	•	•
461-600	170	460	•	•	230,5
601-800	263	660	•	•	145,5
801-1000	413	860	•	•	295,5
801-1000	413	860	549,5	•	295,5
1001-1200	513	1060	699,5	•	395,5
1201-1400	563	1260	699,5	•	395,5
1401-1600	563	1460	699,5	•	395,5
1601-1800	563	1660	699,5	•	395,5
1601-1800	1000	1660	699,5	•	395,5
1801-2000	1000	1860	699,5	1369,5	1128,5
2001-2200	1000	2060	699,5	1369,5	1128,5
2201-2400	1000	2260	699,5	1369,5	1128,5

ESPAGNOLETTE, FIXED HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1	E2	E3	MS
400-500	170	500	348,5	•	•	•
501-600	170	600	448,5	•	•	230,5
601-700	263	700	548,5	•	•	145,5
701-800	263	800	648,5	•	•	145,5
801-900	413	900	748,5	•	•	295,5
901-1000	413	1000	848,5	•	•	295,5
1001-1100	513	1100	728,5	948,5	•	395,5
1101-1200	513	1200	728,5	1048,5	•	395,5
1201-1300	563	1300	728,5	1148,5	•	395,5
1301-1400	563	1400	728,5	1248,5	•	395,5
1401-1500	563	1500	728,5	1348,5	•	395,5
1501-1600	563	1600	728,5	1448,5	•	395,5
1601-1700	563	1700	728,5	1548,5	•	395,5
1701-1800	563	1800	728,5	1148,5	1648,5	395,5
1801-2000	1000	2000	704,5	1298,5	1748,5	1128,5
2001-2200	1000	2200	704,5	1348,5	1948,5	1128,5
2201-2400	1000	2400	704,5	1548,5	2148,5	1128,5

CENTRE LOCK - UP

Sash rebate width	Lenght	CLU1	CLU2
600-800	350	324,5	•
801-1200	550	130,5	524,5
1201-1400	850	130,5	824,5

CENTRE LOCK - DOWN

Sash rebate width	Lenght	CLD1	CLD2
600-800	350	307,5	•
801-1200	550	113,5	507,5
1201-1400	850	113,5	807,5

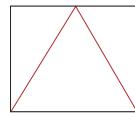
CONCEALED STRIKER

Sash rebate height	CSV1	CSV2	CSV3
800-1400	FFH/2	•	•
1401-2400	•	FFH/3	FFH/3

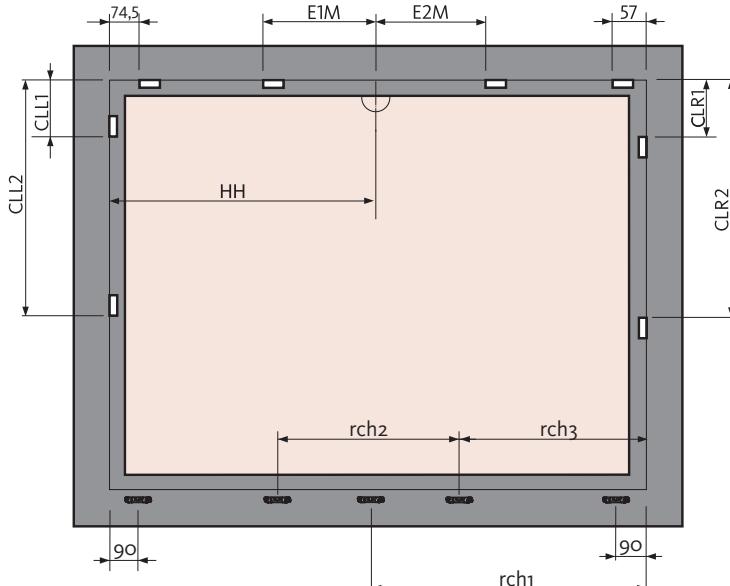
MOUNTING HARDWARE TO THE FRAME

INSTALLATION CLOSING ELEMENTS

TIlt hardware



CENTERED/VARIABLE HANDLE HEIGHT



T&T ESPAGNOLETTE M, CENTERED/VARIABLE HANDLE WIDTH

Sash rebate width	HH	Lenght	E1M	E2M
420-620	210-310	340	•	•
600-1000	300-500	720	102,5	•
900-1400	450-700	1120	102,5	•
1401-1800	701-900	1520	102,5	•
1601-2000	801-1000	1720	302,5	317,5
2001-2400	1001-1200	2120	302,5	317,5

CENTRE LOCK - RIGHT

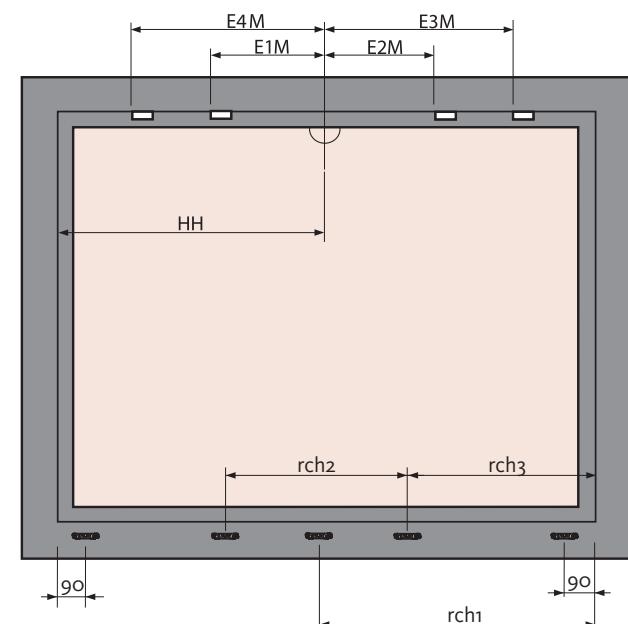
Sash rebate height	Lenght	CLR1	CLR2
600-800	350	324,5	•
801-1200	550	130,5	524,5

REBATE CENTER HINGE - ADJUSTABLE

Sash rebate width	rch1	rch2	rch3
1201-2200	FFH/2	•	•
2201-2400	•	FFH/3	FFH/3

CENTRE LOCK - LEFT

Sash rebate height	Lenght	CLL1	CLL2
600-800	350	307,5	•
801-1200	550	113,5	507,5



ESPAGNOLETTE M, CENTERED/VARIABLE HANDLE WIDTH

Sash rebate width	HH	Lenght	E1M	E2M	E3M	E4M
180-250	90-125	180	56,5	•	•	•
251-500	126-250	500	67,5	•	•	•
501-900	251-450	900	192,5	207,5	•	•
901-1400	451-700	1400	392,5	120,5	407,5	•
1401-1900	701-950	1900	242,5	257,5	657,5	642,5
1901-2400	950-1200	2400	342,5	357,5	907,5	892,5

REBATE CENTER HINGE - ADJUSTABLE

Sash rebate width	rch1	rch2	rch3
1201-2200	FFH/2	•	•
2201-2400	•	FFH/3	FFH/3

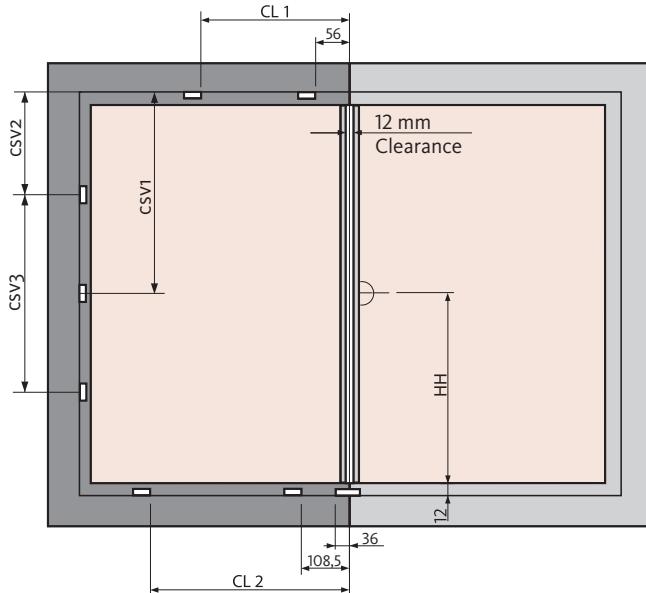
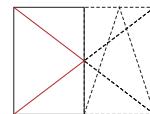
MOUNTING HARDWARE TO THE FRAME

INSTALLATION CLOSING ELEMENTS

FRENCH WINDOW

FRENCH WINDOW ESPAGNOLETTE - Fixed handle-height - OHG

FRENCH WINDOW ESPAGNOLETTE M - Centered/Variabile handle-height - OHG



CENTRE LOCK - UP + CORNER DRIVE

Sash rebate width	Lenght	CL1
800-1200	400	477
1200-1400	600	677

CENTRE LOCK - DOWN

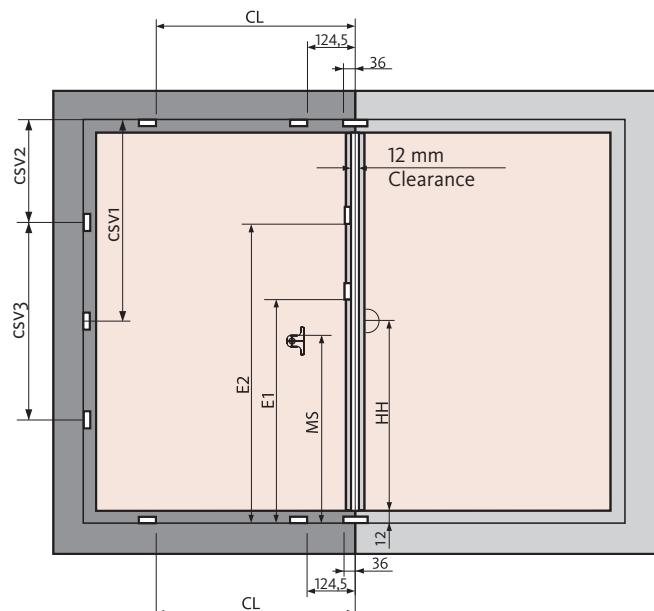
Sash rebate width	Lenght	CL2
600-800	350	302,5
801-1200	550	502,5
1201-1400	850	802,5

CONCEALED STRIKER

Sash rebate height	CSV1	CSV2	CSV3
800-1400	FFH/2	•	•
1401-2400	•	FFH/3	FFH/3

SHOOTBOLT, STRIKER OHG

FIXED HANDLE HEIGHT



T&T ESPAGNOLETTE, FIXED HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1	E2	MS
320-460	120	320	•	•	•
461-600	170	460	•	•	230,5
601-800	263	660	•	•	145,5
801-1000	413	860	•	•	295,5
801-1000	413	860	549,5	•	295,5
1001-1200	513	1060	699,5	•	395,5
1201-1400	563	1260	699,5	•	395,5
1401-1600	563	1460	699,5	•	395,5
1601-1800	563	1660	699,5	•	395,5
1601-1800	1000	1660	699,5	•	395,5
1801-2000	1000	1860	699,5	1369,5	1128,5
2001-2200	1000	2060	699,5	1369,5	1128,5
2201-2400	1000	2260	699,5	1369,5	1128,5

CENTRE LOCK - DOWN, UP

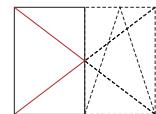
Sash rebate width	Lenght	CL
600-800	350	318,5
801-1200	550	518,5
1201-1400	850	818,5

CONCEALED STRIKER

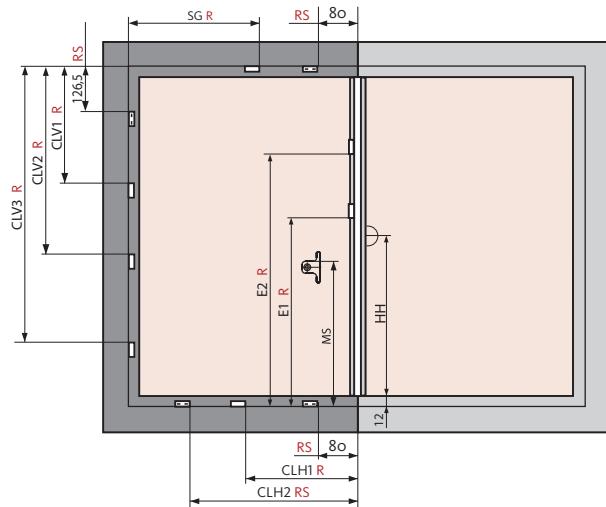
Sash rebate height	CSV1	CSV2	CSV3
800-1400	FFH/2	•	•
1401-2400	•	FFH/3	FFH/3

MOUNTING HARDWARE TO THE FRAME

INSTALLATION CLOSING ELEMENTS FRENCH WINDOW - RC 1 SECURITY



T&T FR. WINDOW ESPAGNOLETTE KV - Fixed handle-height - OHG



T&T FR. WINDOW ESPAGNOLETTE KV, FIXED HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1 R	E2 R	MS
550-690	230	410	•	•	320
601-800	335	520	•	•	328
801-1000	490	720	•	•	297
801-1000	490	720	549,5	•	297
1001-1200	335	920	699,5	•	496
1201-1400	335	1120	699,5	•	496
1401-1600	335	1320	699,5	•	496
1601-1800	335	1520	699,5	•	496
1801-2000	640	1720	1369,5	699,5	1129
2001-2200	640	1920	1369,5	699,5	1129
2201-2400	640	2120	1369,5	699,5	1129

STAY GUIDE

Sash rebate width	Lenght	SG R
410-610	470	•
611-810	670	•
811-1010	870	550,5
1011-1210	670 + 400 EX	611,5
1211-1400	870 + 400 EX	811,5

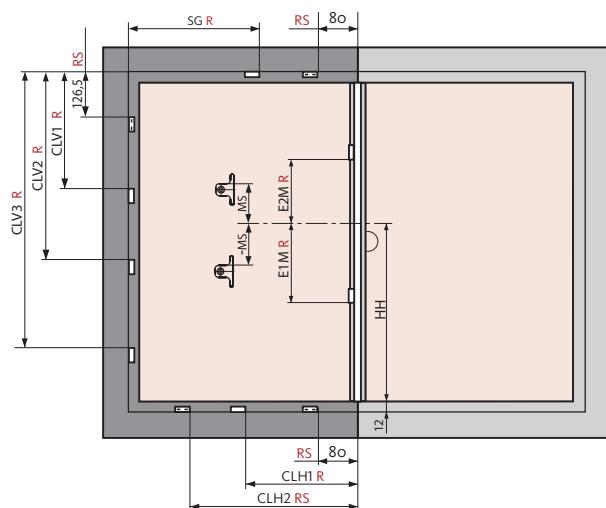
CENTRE LOCK - VERTICAL

Sash rebate height	Lenght	CLV1 R	CLV2 R	CLV3 R
801-1200	400 1R	540,5	•	•
1201-1600	600 1R	740,5	•	•
1601-2000	600 1R + 600 1R	740,5	1340,5	•
2001-2200	2x600 1R + 400 1R	740,5	1340,5	1740,5
2201-2400	2x600 1R + 600 1R	740,5	1340,5	1940,5

CENTRE LOCK - HORIZONTAL

Sash rebate width	Lenght	CLH1 R	CLH2 RS
340-540	200 1RS	•	283,5
541-740	400 1RS	•	483,5
741-940	600 1RS	•	683,5
941-1140	600 1R + 200 1RS	683,5	883,5
1141-1340	600 1R + 400 1RS	683,5	1083,5
1341-1400	600 1R + 600 1RS	683,5	1283,5

T&T FR. WINDOW ESPAGNOLETTE M - Centered/Variabile handle-height - OHG



T&T FR. WIN. ESPAG. M, CENTERED/VARIABLE HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1M R	E2M R	MS
420-620	210-310	340	•	•	•
600-1000	300-500	720	102,5	•	37,5
900-1400	450-700	1120	102,5	•	98,5
1401-1800	701-900	1520	102,5	•	98,5
1601-2000	801-1000	1720	302,5	317,5	-122,5
2001-2400	1001-1200	2120	302,5	317,5	-122,5

CENTRE LOCK - HORIZONTAL

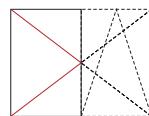
Sash rebate width	Lenght	CLH1 R	CLH2 RS
340-540	200 1RS	•	300,5
541-740	400 1RS	•	500,5
741-940	600 1RS	•	700,5
941-1140	600 1R + 200 1RS	700,5	900,5
1141-1340	600 1R + 400 1RS	700,5	1100,5
1341-1400	600 1R + 600 1RS	700,5	1300,5

* dimensions for centre lock-vertical and sash stay guide are the same as with T&T fr. window espagnolette KV

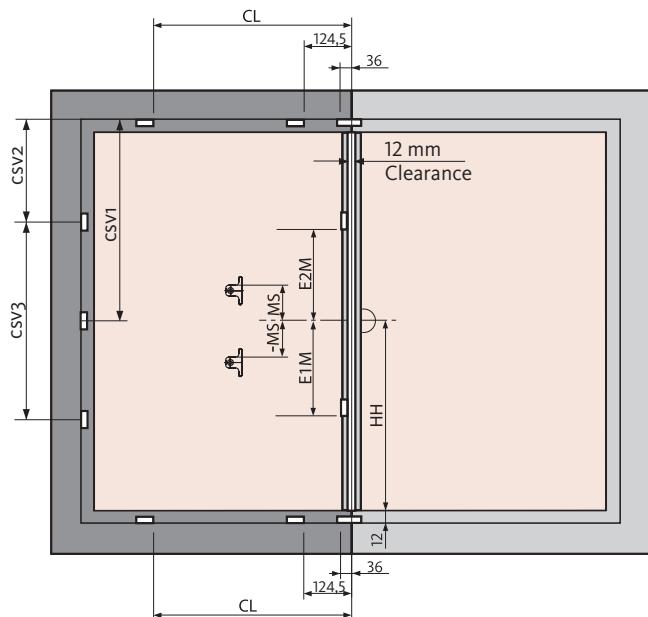
MOUNTING HARDWARE TO THE FRAME

INSTALLATION CLOSING ELEMENTS

SHOOTBOLT, STRIKER OHG



CENTERED/VARIABLE HANDLE HEIGHT



T&T ESPAGNOLETTE M,
CENTERED/VARIABLE HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1M	E2M	MS
420-620	210-310	340	•	•	
600-1000	300-500	720	102,5	•	37,5
900-1400	450-700	1120	102,5	•	98,5
1401-1800	701-900	1520	102,5	•	98,5
1601-2000	801-1000	1720	302,5	317,5	- 122,5
2001-2400	1001-1200	2120	302,5	317,5	- 122,5

CENTRE LOCK - BELOW, UP

Sash rebate width	Lenght	CL
600-800	350	318,5
801-1200	550	518,5
1201-1400	850	818,5

CONCEALED STRIKER

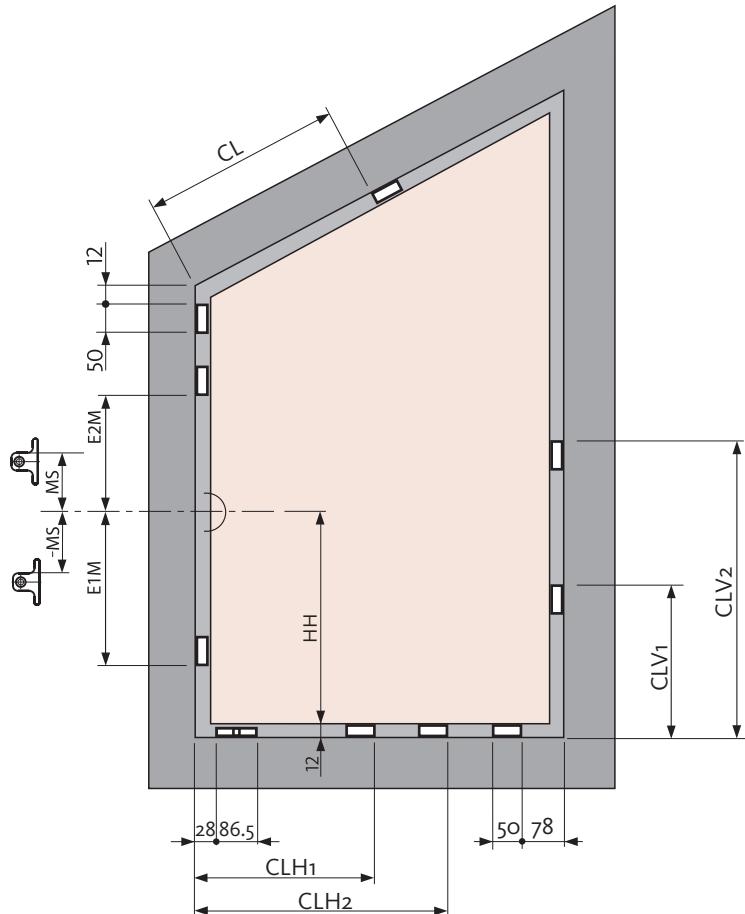
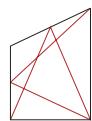
Sash rebate height	CSV1	CSV2	CSV3
800-1400	FFH/2	•	•
1401-2400	•	FFH/3	FFH/3

MOUNTING HARDWARE TO THE FRAME

INSTALLATION CLOSING ELEMENTS

TILT&TURN HARDWARE / PITCHED

CENTERED/VARIABLE HANDLE HEIGHT



T&T ESPAGNOLETTE M, CENTERED/VARIABLE HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1M	E2M	MS
420-620	210-310	340	•	•	•
600-1000	300-500	720	102,5	•	37,5
900-1400	450-700	1120	102,5	•	98,5
1401-1800	701-900	1520	102,5	•	98,5

CENTRE LOCK PITCHED / ARCHED - Horizontal

Sash rebate width	Lenght	CLH1	CLH2
400-650	370	•	•
651-900	620	420	•
901-1150	870	670	•
1151-1400	1120	420	920

CENTRE LOCK PITCHED / ARCHED - Vertical

Sash rebate height	Lenght	CLV1	CLV2
490-700	380	•	•
701-900	580	285	•
901-1100	780	530	•
1101-1300	980	685	•
1301-1500	1180	285	885
1501-1700	1380	485	1085
1701-1900	1580	685	1285

CENTRE LOCK

Sash rebate width	Lenght	CL
801-1000	400	432,5
1001-1400	600	432,5

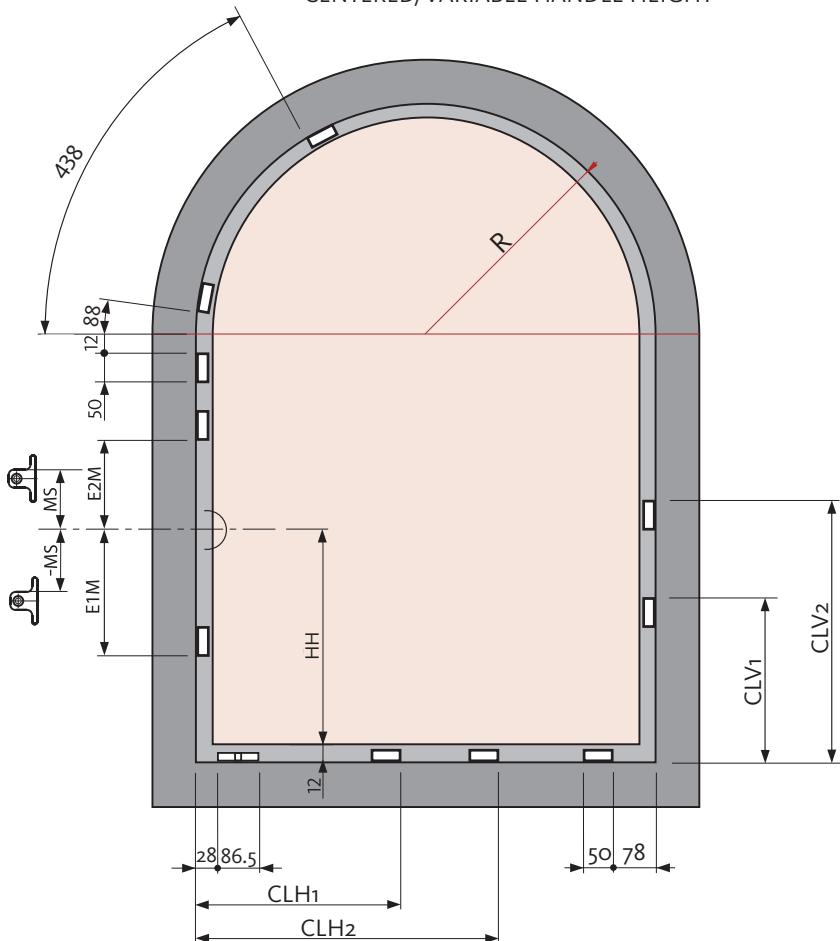
MOUNTING HARDWARE TO THE FRAME

INSTALLATION CLOSING ELEMENTS

TILT&TURN HARDWARE / ARCHED



CENTERED/VARIABLE HANDLE HEIGHT



T&T ESPAGNOLETTE M, CENTERED/VARIABLE HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1M	E2M	MS
490-620	210-310	340	•	•	•
600-1000	300-500	720	102,5	•	37,5
900-1400	450-700	1120	102,5	•	98,5
1401-1800	701-900	1520	102,5	•	98,5
1601-1900	801-1000	1720	302,5	317,5	122,5

CENTRE LOCK PITCHED / ARCHED - Horizontal

Sash rebate width	Lenght	CLH1	CLH2
400-650	370	•	•
651-900	620	420	•
901-1150	870	670	•
1151-1400	1120	420	920

CENTRE LOCK PITCHED / ARCHED - Vertical

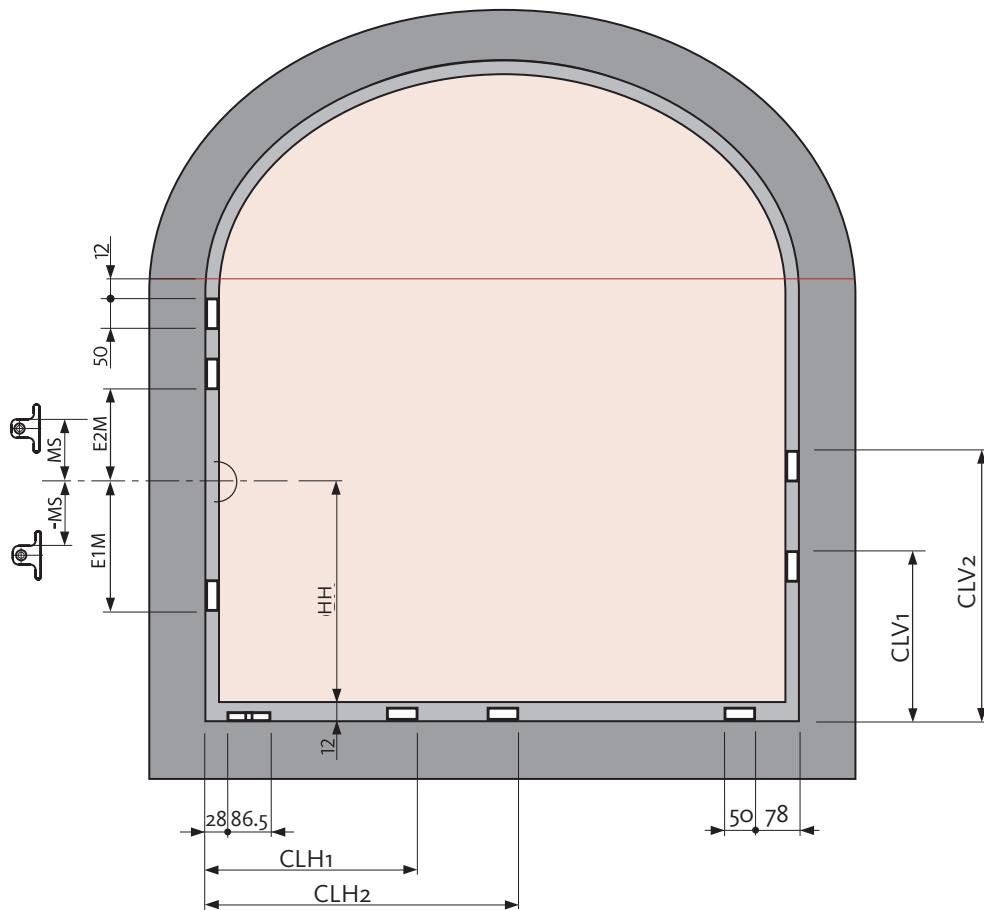
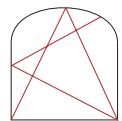
Sash rebate height	Lenght	CLV1	CLV2
490-700	380	•	•
701-900	580	285	•
901-1100	780	530	•
1101-1300	980	685	•
1301-1500	1180	285	885
1501-1700	1380	485	1085
1701-1900	1580	685	1285

MOUNTING HARDWARE TO THE FRAME

INSTALLATION CLOSING ELEMENTS

TILT&TURN HARDWARE / ARCHED

CENTERED/VARIABLE HANDLE HEIGHT



T&T ESPAGNOLETTE M, CENTERED/VARIABLE HANDLE HEIGHT

Sash rebate height	HH	Lenght	E1M	E2M	MS
490-620	210-310	340	•	•	•
600-1000	300-500	720	102,5	•	37,5
900-1400	450-700	1120	102,5	•	98,5
1401-1800	701-900	1520	102,5	•	98,5
1601-1900	801-1000	1720	302,5	317,5	122,5

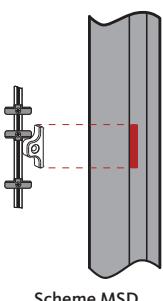
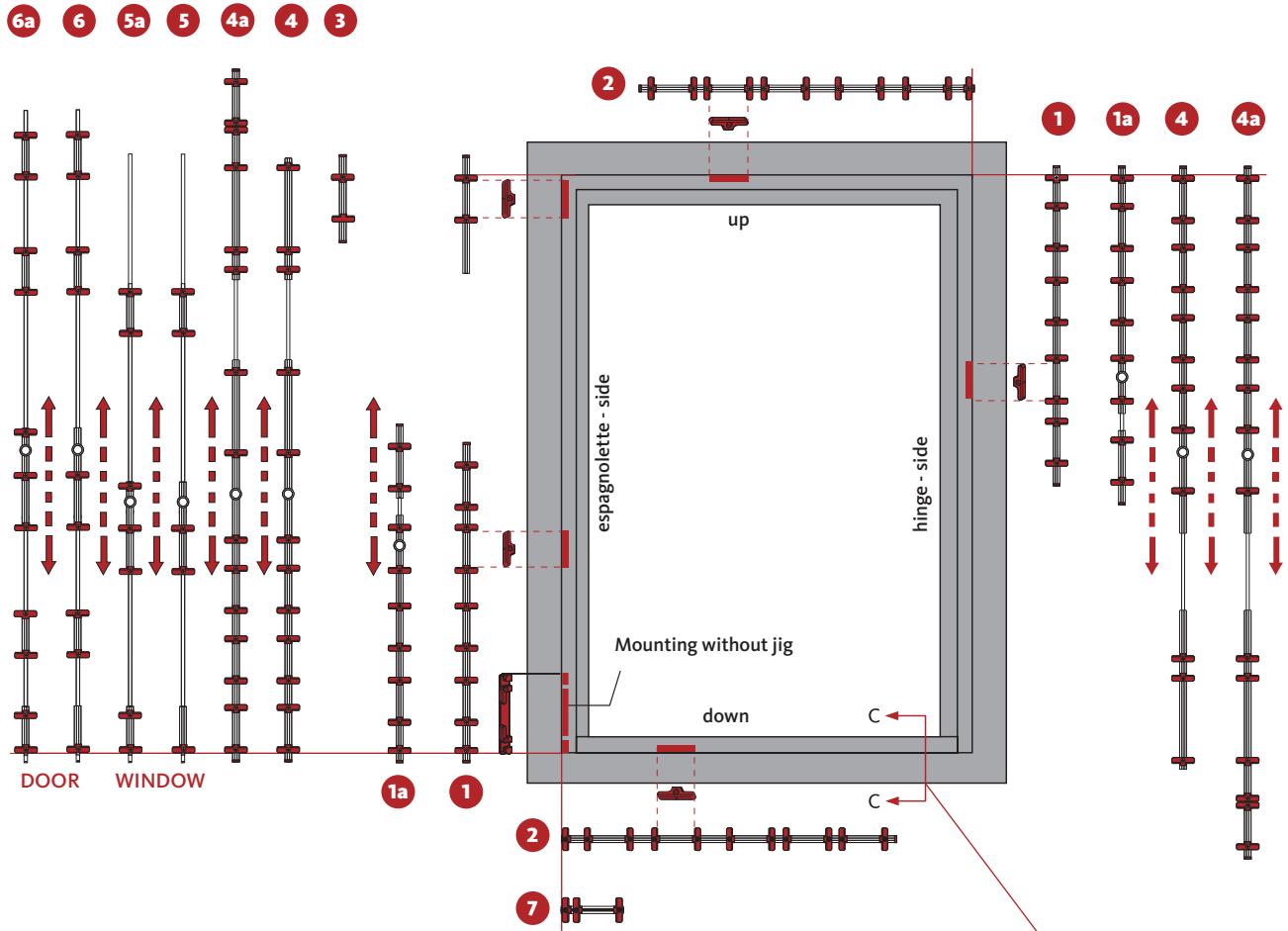
CENTRE LOCK PITCHED / ARCHED - Horizontal

Sash rebate width	Lenght	CLH1	CLH2
400-650	370	•	•
651-900	620	420	•
901-1150	870	670	•
1151-1400	1120	420	920

CENTRE LOCK PITCHED / ARCHED - Vertical

Sash rebate height	Lenght	CLV1	CLV2
490-700	380	•	•
701-900	580	285	•
901-1100	780	530	•
1101-1300	980	685	•
1301-1500	1180	285	885
1501-1700	1380	485	1085
1701-1900	1580	685	1285

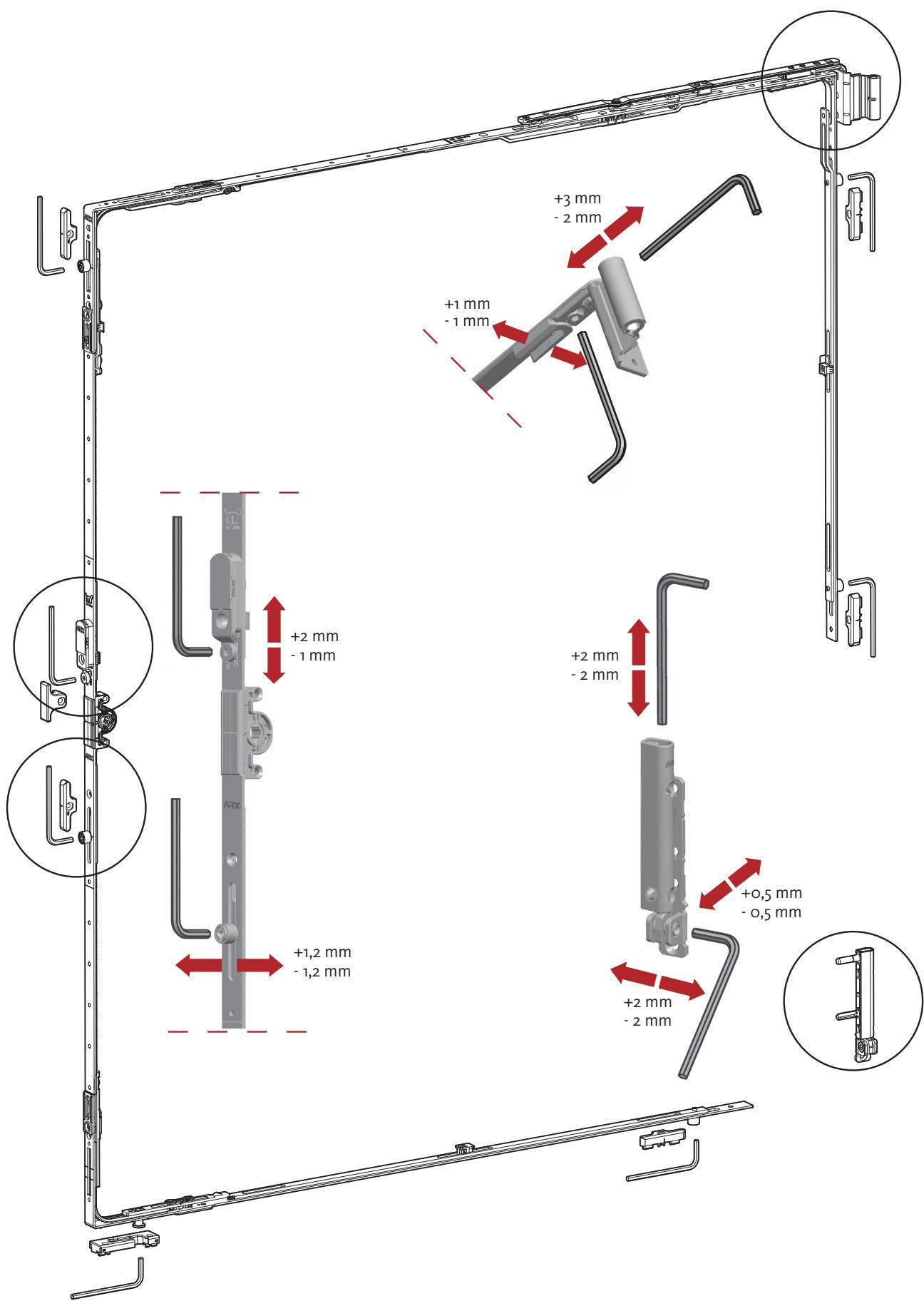
STRIKER POSITIONING JIGS



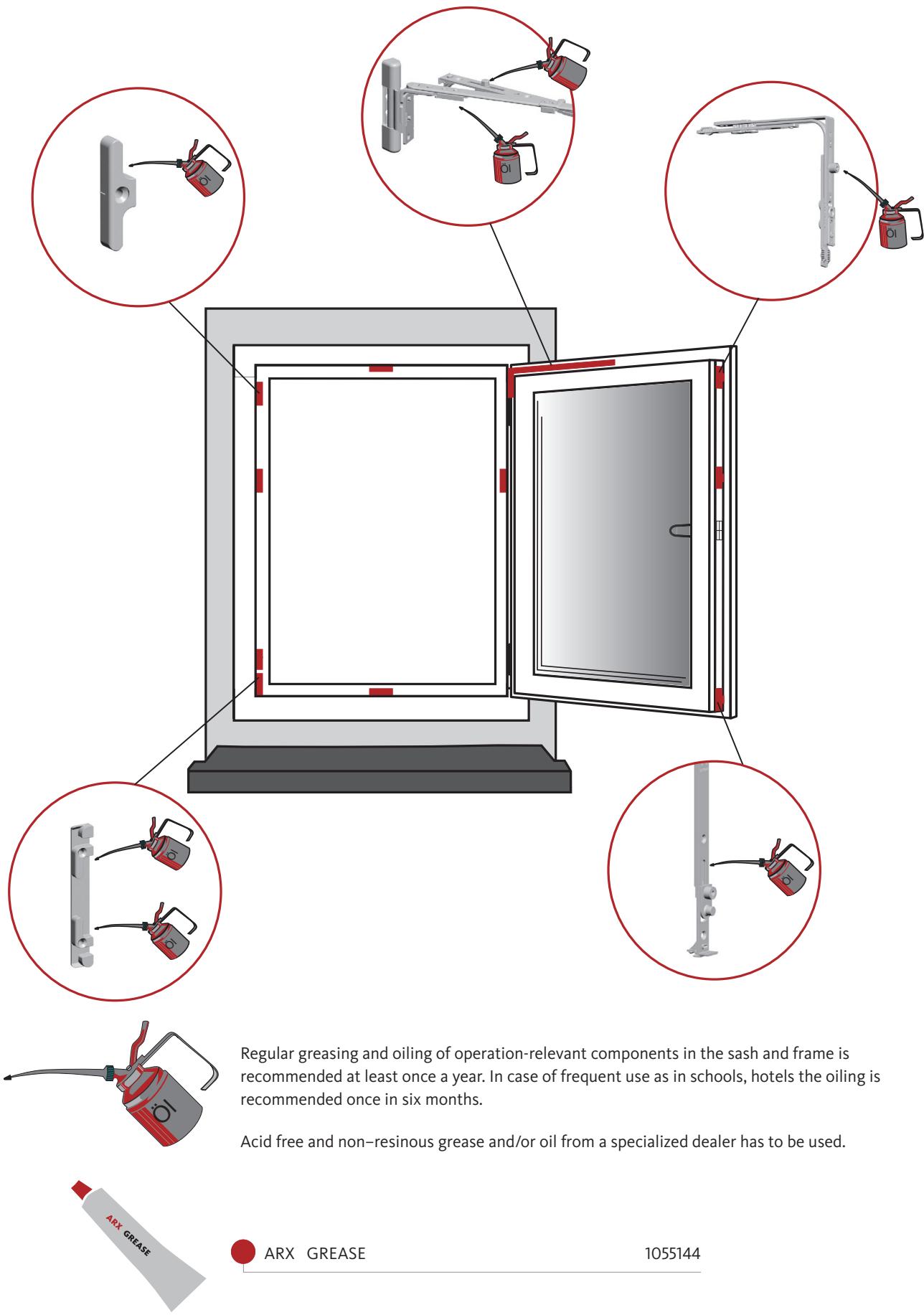
Color	Description	Notes
RED	Seat	No striker
YELLOW	Corner drive	Located next to the seat
	Espagnolette	/
GREEN	Mishandling device	Montage shown on scheme MSD
BLUE	Sash-stay guide	/
BROWN	Centre lock	/

Type	Description	Material Nr.
1	Jig - constant handle height/hinge side SRH < 1600	1103566
1a	Telescopic jig - constant handle height - added locking cam	1103567
2	Jig for strikers up/down	1103568
3	Jig for corner drive	1103569
4	Jig for strikers door SRH 1601 - 2400	1103570
4a	Telescopic jig - constant handle height - added locking cam SRH 1601 - 2400	1103571
5	Telescopic jig - variable handle height (window)	1103572
5a	Telescopic jig - variable handle height with added locking cam (window)	1103573
6	Telescopic jig - variable handle height (door)	1103574
6a	Telescopic jig - variable handle height with added locking cam (door)	1103575
7	Jig for T&Ti striker	1108014

ADJUSTMENT INSTRUCTIONS

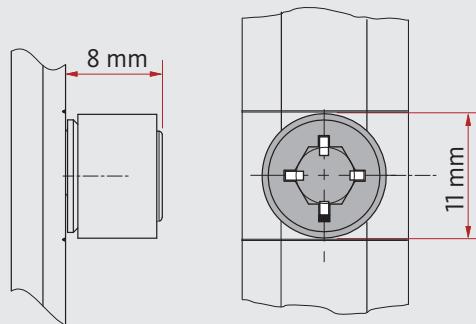
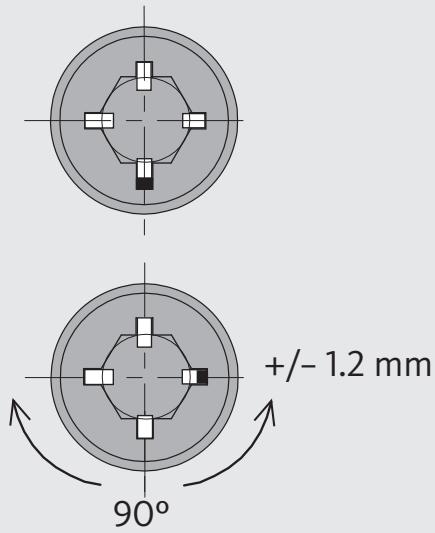


MAINTENANCE RECOMMENDATIONS

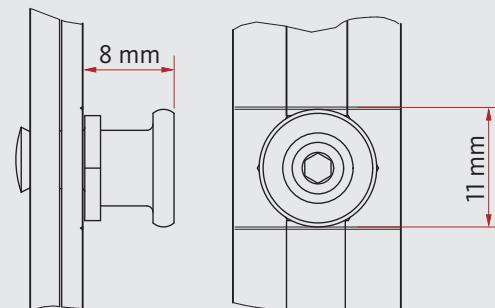
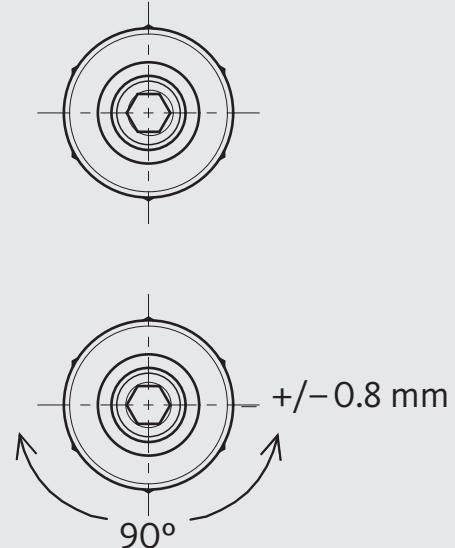


LOCKING CAM ADJUSTMENT INSTRUCTIONS

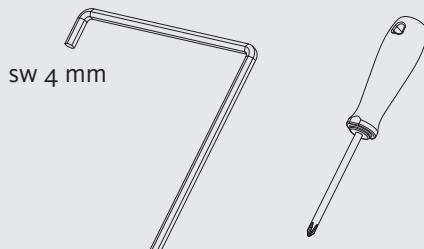
Locking cam R



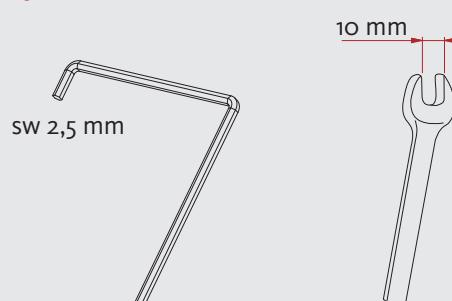
Locking cam RS



Adjustment tool



Adjustment tool

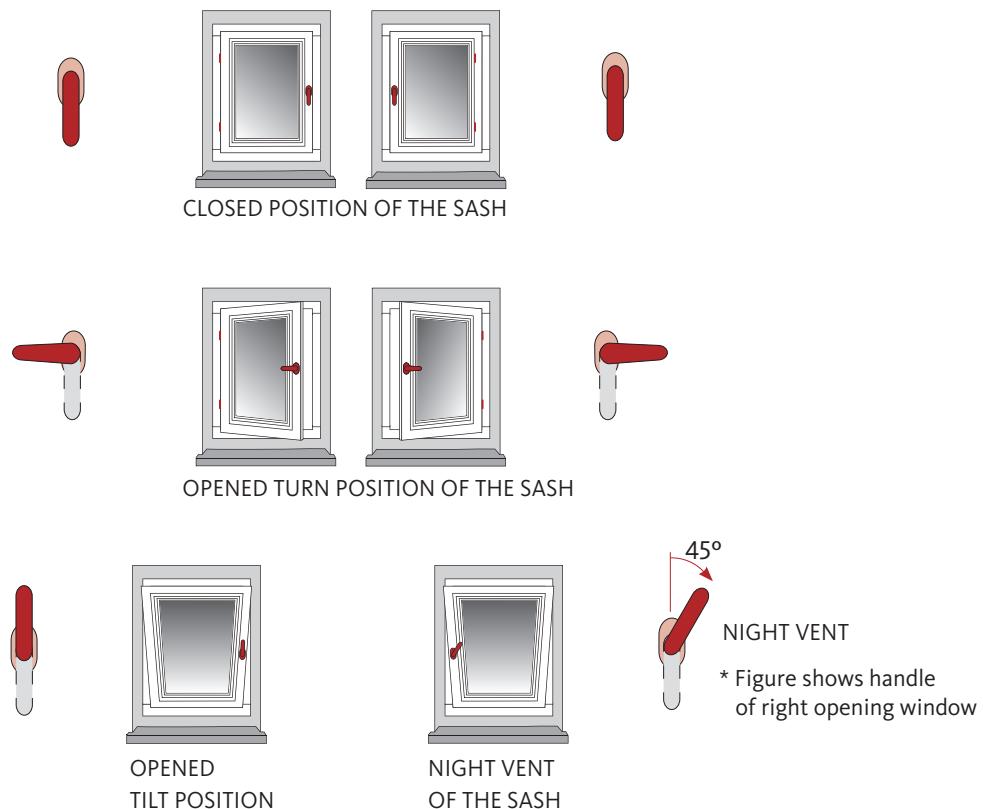


HEX KEY 4 mm
SCREW DRIVER PH3

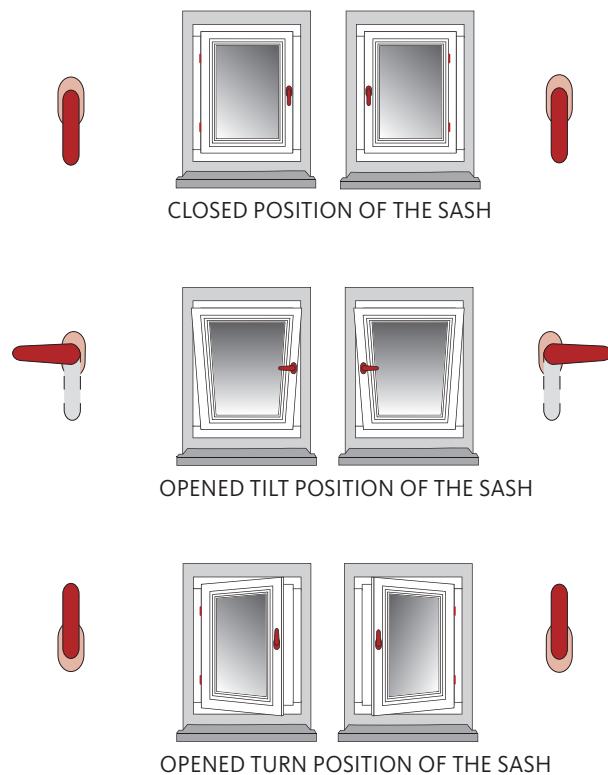
1090862
1080695

OPERATING AND SYSTEM INSTRUCTIONS

OPERATION

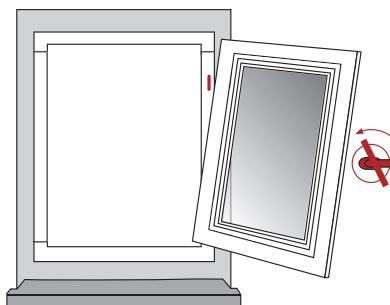
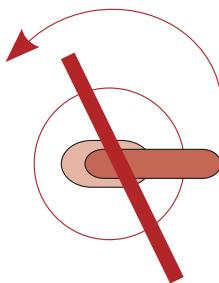


OPERATION - TILT FIRST



OPERATING AND SYSTEM INSTRUCTIONS

AVOID MISHANDLING

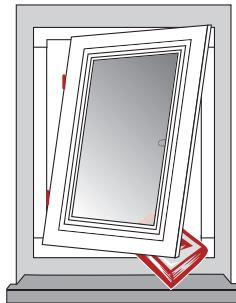


MALPOSITIONING OF THE SASH

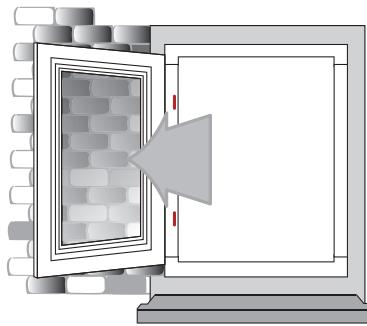
WARNING

IN ORDER TO PRESERVE THE LONG OPERATIVENESS OF YOUR WINDOW AND TO GUARANTEE SECURITY, IT IS IMPERATIVE TO OBSERVE THE DIRECTIVES LISTED BELOW.

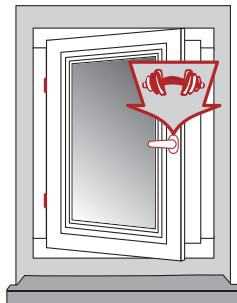
DO NOT PLACE ANY
OBJECTS BETWEEN
THE SASH AND FRAME.



DO NOT ALLOW
THE SASH TO HIT OR
PRESS UP AGAINST
THE WINDOW REVEAL.

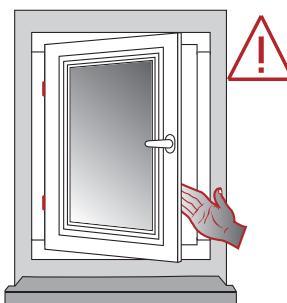
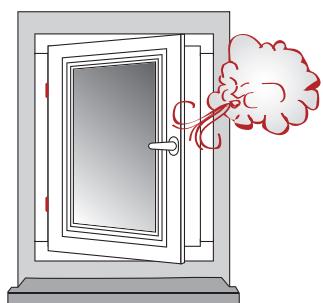


THE WINDOW SASH MAY
NOT BE BURDENED
WITH ADDITIONAL WEIGHT.

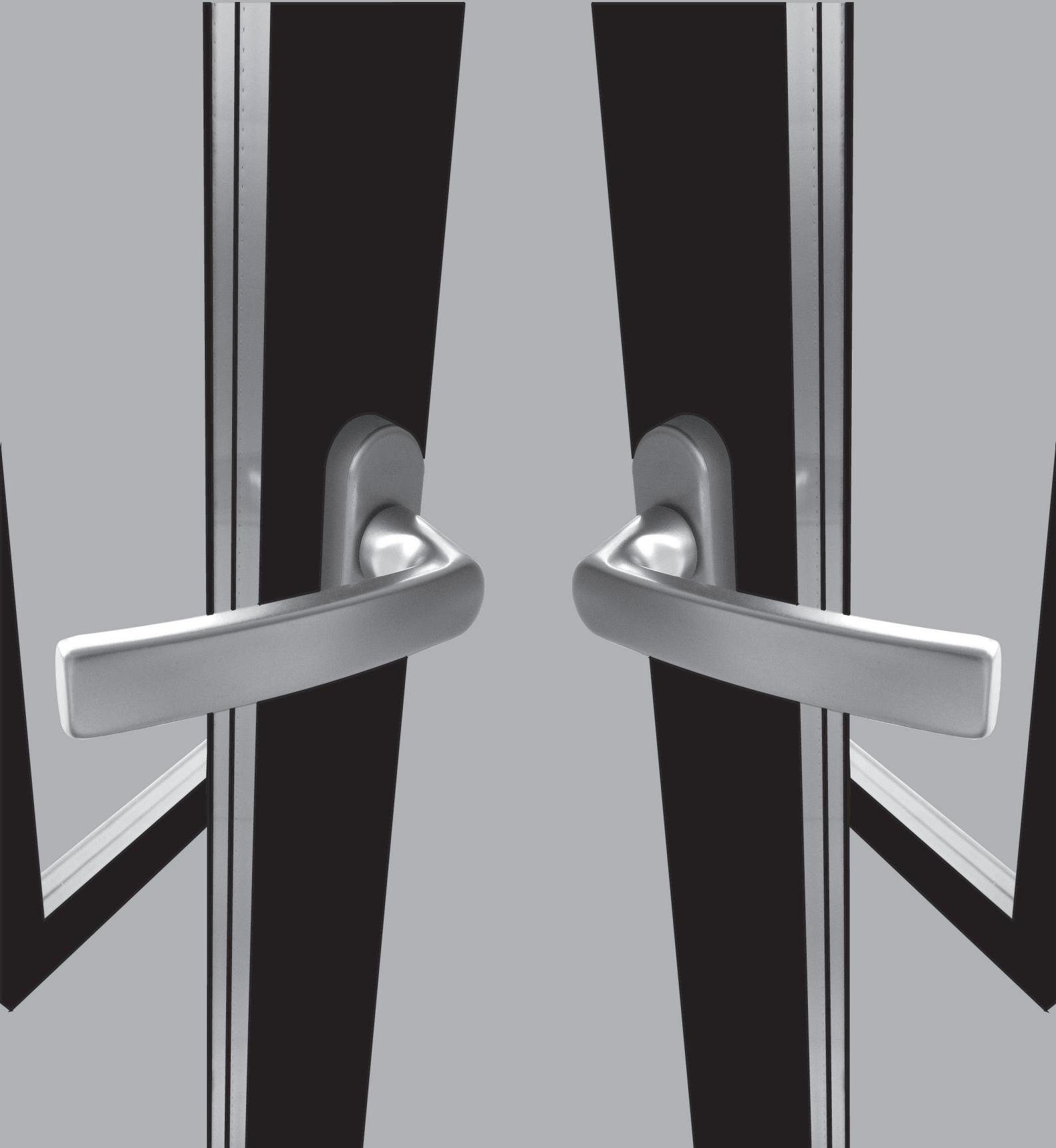


CAUTION!
WHERE SMALL CHILDREN
OR MENTALLY HADICAPPED
PERSONS HAVE ACCESS TO
THE WINDOW, THE SASH
HAS TO BE SAFEGUARDED
AGAINST TURNING, FOR
EXAMPLE WITH A CHILD-
SAFETY LOCK (INHIBITS
TURN-MODUS, PERMITS
TILT-MODUS) OR KEY-
LOCKABLE HANDLES.

DO NOT LEAVE SASHES
OPEN IN THE TURN-MODUS
DURING STRONG WINDS.



CAUTION!
A SLAMMING SASH CAN LEAD
TO INJURIES. WHILE CLOSING,
DO NOT GRASP BETWEEN THE
SASH AND FRAME.



ARX handles

Handles

ARX Handles

The program of ARX Handles for windows is divided into three sections:

- Standard,
- Secustic - safety handle system: this program is distinguished by higher anti-burglary safety,
- Secustic with a lock: additional security against unauthorized opening of windows.

ARX Handles for windows are suitable for installation into different thickness of the profiles. Accordingly, two spindle sizes are used:

- 37 mm,
- 42 mm.

With ARX Handles set for balcony doors, a uniform appearance of the building hardware will be provided:

- set handle/handle,
- set handle/handle for balcony door with roller shutters.

Set for balcony doors are used for profile thickness of 68-78 mm. For thicker profiles, it's necessary to use longer screws for fixing the handles.

Certificate of Quality



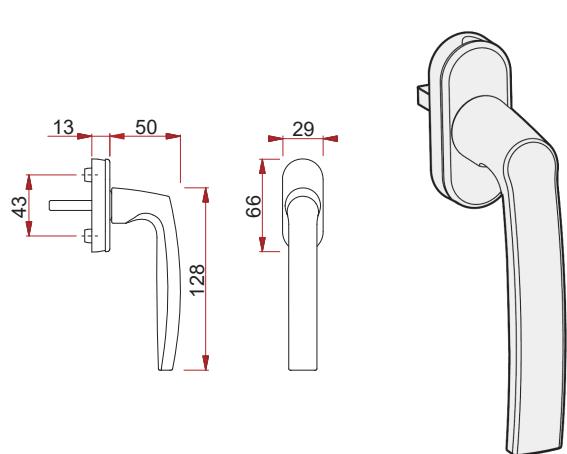
ARX Handles are made of quality material (aluminium) and protected by persistent surface protection of powder coating in different colors. Quality materials, modern manufacturing processes and product testing have led ARX Handles to have a long lifetime and a 10 year warranty.



ARX Handles have a quality certificate, the German Quality Assurance Institute. We are convinced that our products and services will continue to be a good guarantee for our future long-standing partnership and we look forward to further cooperation with you.

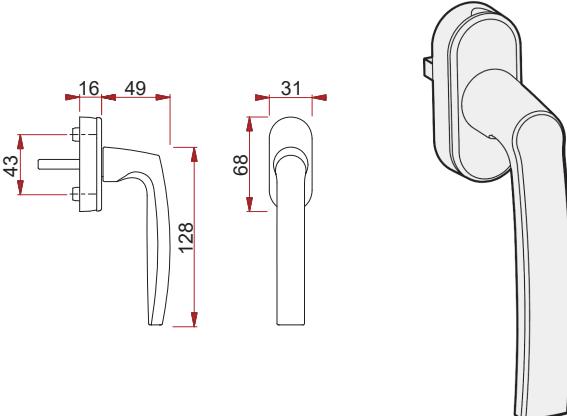
STANDARD

Spindle lenght (mm)	Color	Pack.	Material
37	F1 - silver	20	1053212
37	F4 - dark bronze	20	1053213
37	F9 - titan	20	1053214
37	9010 - white	20	1053215
37	8707 - brown	20	1053216
42	F1 - silver	20	1100839
42	9010 - white	20	1058068
42	8707 - brown	20	1058069



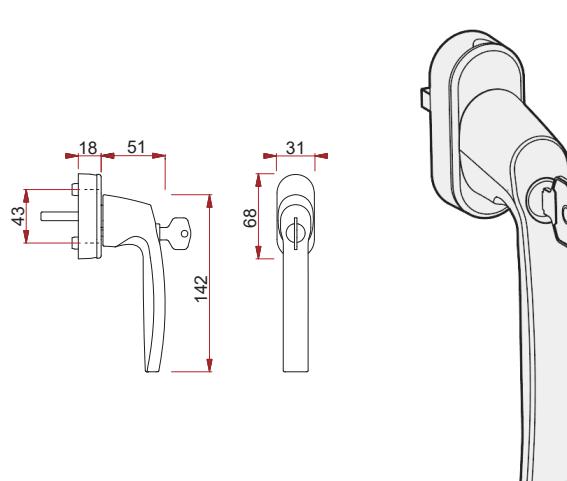
SECUSTIC

Spindle lenght (mm)	Color	Pack.	Material
37	F1 - silver	10	1053222
37	F4 - dark bronze	10	1053223
37	F9 - titan	10	1053224
37	9010 - white	10	1053225
37	8707 - brown	10	1053226



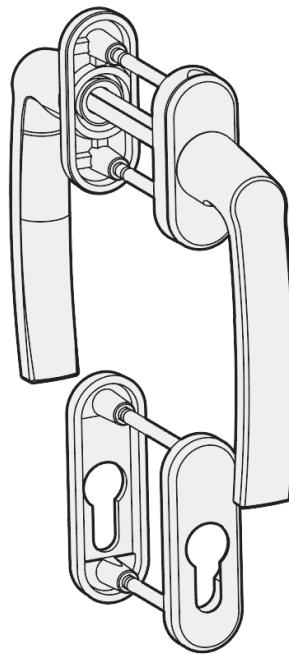
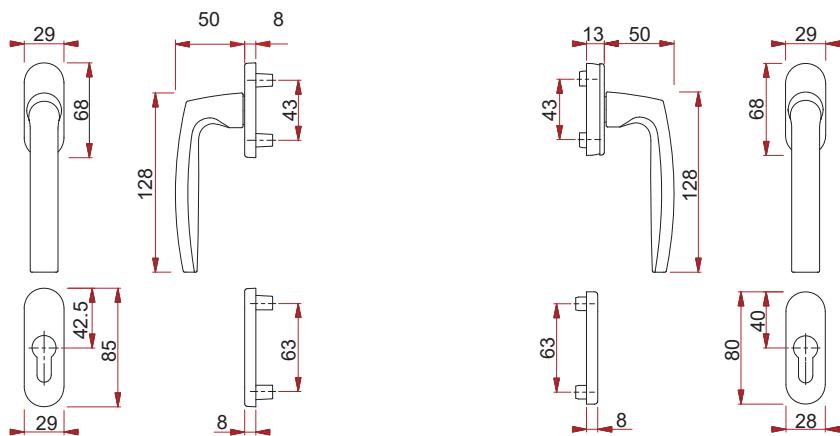
SECUSTIC - Lockable

Spindle lenght (mm)	Color	Pack.	Material
37	F1 - silver	5	1053232
37	F4 - dark bronze	5	1053235
37	F9 - titan	5	1053236
37	9010 - white	5	1053237
37	8707 - brown	5	1053238



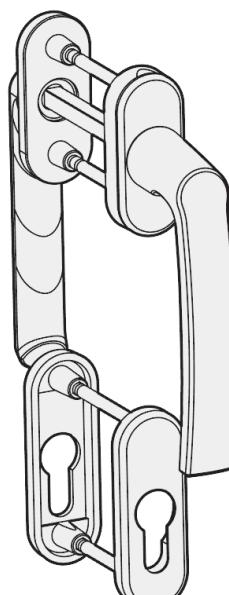
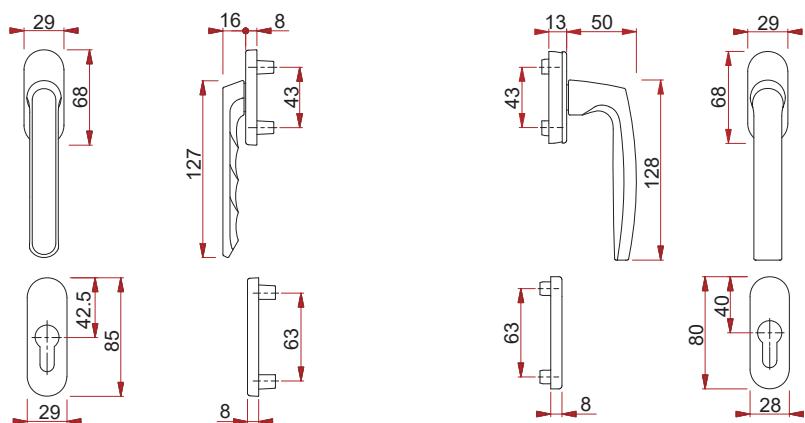
DOOR BALCONY HANDLE

Color	Pack.	Material
F1 - silver	10	1053281
F4 - dark bronze	10	1053282
F9 - titan	10	1053283
9010 - white	10	1053284



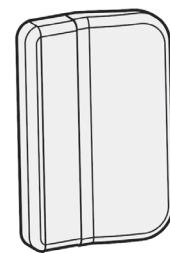
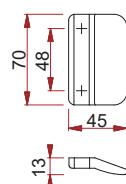
DOOR BALCONY HANDLE - Roller shutters

Color	Pack.	Material
F1 - silver	1	1053267
F4 - dark bronze	1	1053268
9010 - white	1	1053270



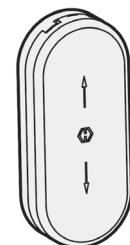
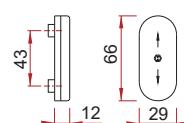
DOOR HANDLE

Color	Pack.	Material
8016 - brown	30	1053291



ROSETTE - removable handle

Color	Pack.	Material
9010 - white	1	1053292



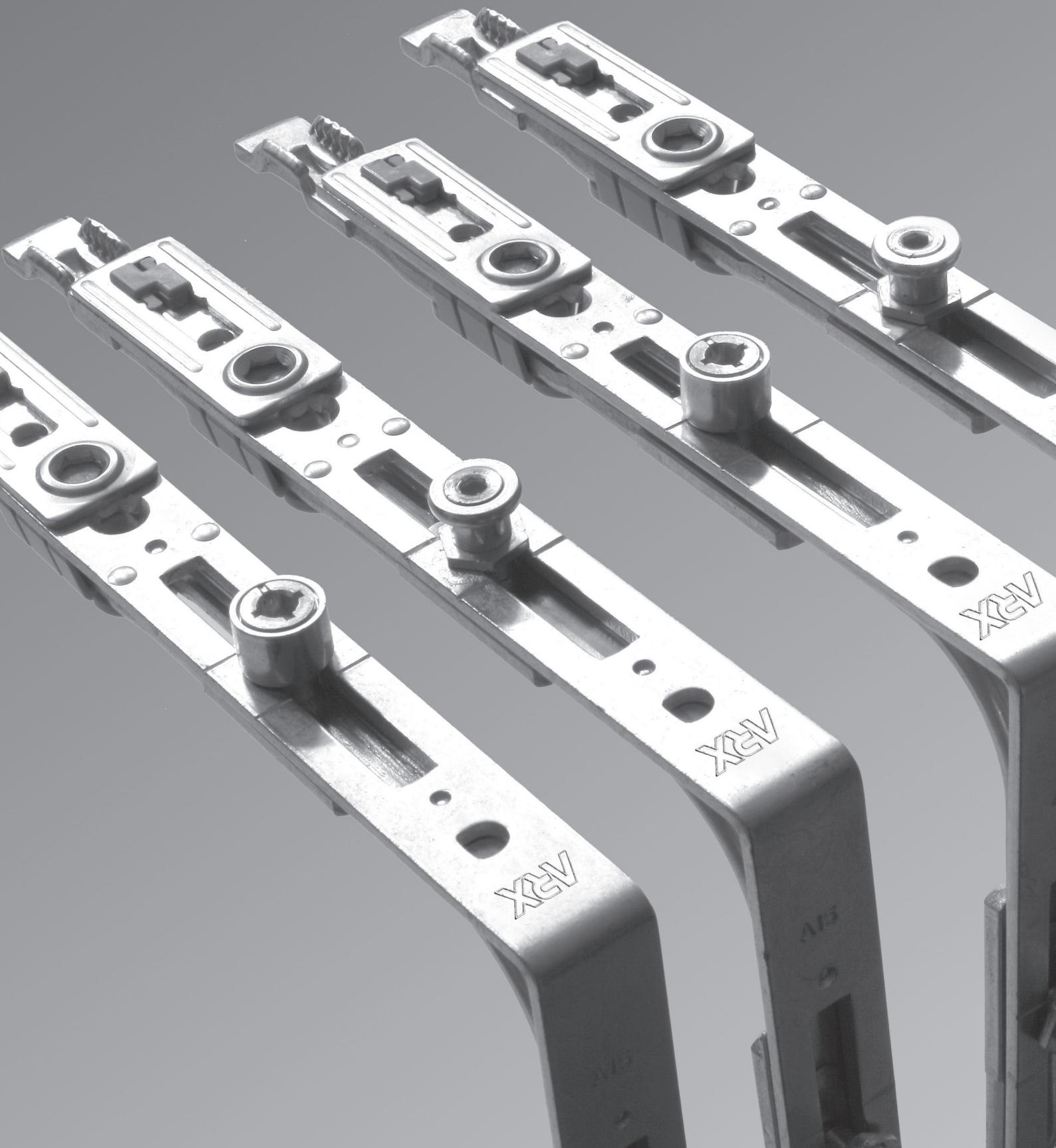
OTHER HANDLES

Description	Color	Pack.	Material
Side balcony handle RAL 9016	9016 - white	1	1117164
Side balcony handle RAL 7016	7016 - anthracite grey	1	1117165
Side balcony handle RAL 8019	8019 - grey brown	1	1118689

Description	Color	Pack.	Material
PVC side balcony handle RAL 9016	9016 - white	36	1120683
PVC side balcony handle RAL 7016	7016 - anthracite grey	36	1120684

Description	Color	Pack.	Material
ZAMAK balcony handle RAL 8016	8016 - mahogany brown	1	1088623
ZAMAK balcony handle RAL 7001	7001 - silver grey	1	1088626
ZAMAK balcony handle RAL 8001	8001 - ochre brown	1	1088627
ZAMAK balcony handle RAL 8022	8022 - black brown	1	1106513
ZAMAK balcony handle RAL 9006	9006 - white aluminium	1	1111530
ZAMAK balcony handle RAL 9007	9007 - grey aluminium	1	1120916

Description	Color	Pack.	Material
ZAMAK oval rosette RAL 8019	8019 - grey brown	1	1081621
ZAMAK oval rosette RAL 9016	9016 - white	1	1085631



ARX is registered trademark
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KOVINOPLASTIKA LOŽ d.o.o.

Lož, Cesta 19. oktobra 57 • SI-1386 Stari trg pri Ložu • Slovenia

Telephone: +386 1 70 95 100 • Fax: +386 1 70 95 553
info@kovinoplastika.si • <http://www.kovinoplastika.si>



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