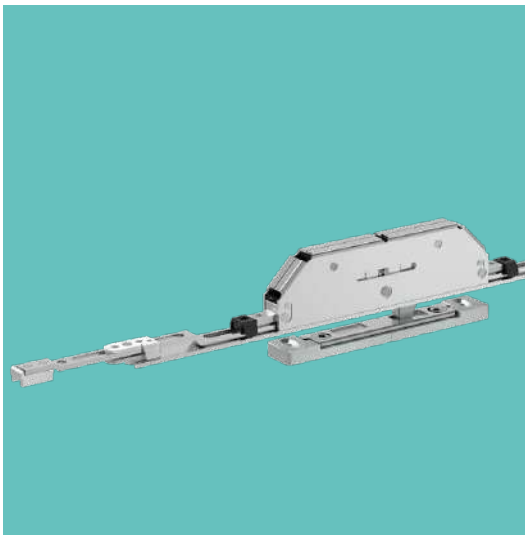
TECHNOLOGY IN MOTION

MACO MULTI-MATIC

TURN AND TILT HARDWARE







CATALOGUE

maco.eu

Symbols

T	For timber windows
P	For PVC and aluminium windows
№	Part number
№ Tricoat	Tricoat-Evo number
	Sash rebate width (SRW) and sash rebate height (SRH)
	Sash rebate width (SRW)
	SRW with standard corner element
	SRW with short corner element
	SRW with corner elements
	SRW half round window/segmental arch window
	SRW round window
	SRW angled window
	Sash rebate height (SRH)
	SRH with short corner element
	SRH half round window/segmental arch window
	Drive gears FHH
	Drive gears VHH
	Backset (BS)
	Handle height (HH)
	Hinge side
	Central locking system
	Air gap
	Rebate leg
	Offset
	Rebate depth
	Maximum sash weight
	Number of security cams (i.S.)
	Number of standard cams
	Sash lifter and mishandling device
⌀	Screw diameter
	Faceplate width
	Spindle size
	Handle centre (E)
	Packer thickness
	Screw
W	Overall component width
L	Overall component length
	Packing unit
	Packing unit per pallet

MM =	MULTI-MATIC
MT =	MULTI-TREND
MP =	MULTI POWER
KS =	Tilt lock bolt
DK =	Turn&Tilt (T&T)
KD =	Tilt before Turn (TBT)
DR =	Turn-only
FFB =	Sash rebate width (SRW)
FFH =	Sash rebate height (SRH)
FT =	Rebate depth
L =	Air gap
V =	Offset (hardware axis)
AS =	Surface-mounted

Symbols

DT = Double routing (Timber)

i.S. = Security cam

VZ = Standard cam

MZ = Magnetic cam

DM = Backset (BS)

GM = Handle height (HH)

ÜV = Rebate leg screw-fixing

Ü = Rebate leg

RZ = Round cylinder (RC)

PZ = Profile cylinder (PC)

EH = Burglar resistant

AR = Guide ring

BO = Drill

FR = Milling cutter

AWB = Application range

SFG = French casement drive gear (FCD)

ES = adjustable

ESH = self-locking drive gear

HG = rear-engaging

GL = secured ventilation position

Dear MACO customer,

You are holding our new order catalogue in your hands. Our main aim was to present our product range in a simple and easy-to-understand manner in order to provide you with a practical working document. In addition to this catalogue, our package leaflet and assembly instructions will help you to process and install our products correctly. These are available to download from www.maco.eu.

Our products help to ensure that windows, doors and large-scale elements offer optimum function and security. As a premium manufacturer, that carries out its business according to the highest standards, the optimum quality and functionality of our hardware is our top priority. While we guarantee the best possible product characteristics for our hardware components, the responsibility for professional installation and correct fixing lies in your hands.

We want to support you, as a dealer or fabricator, with your responsibility for the safety of your products. Our binding assembly instructions and package leaflets provide information about the general use and processing of our hardware. To ensure the best fabrication and attachment of the hardware components – to suit the relevant installation situation, such as strength and profile design of the timber, arrangement of chambers and reinforcement in PVC profiles, etc., you can have elements tested and evaluated at our certified test centre: an air permeability and driving rain test as well as a pull-out test will help you to meet CE marking requirements. This means that you can rest assured that you are meeting all the standards and directives applicable to you.

You can find information about how to properly store our hardware components in the VHBH guideline of the Quality Assurance Association: Locks and Hardware (www.fvsb.de) or section Information on storage and transport of hardware components.

Important for dealers: MACO supplies its products with the corresponding number of package leaflets. As a dealer,you are responsible for enclosing the correct number of package leaflets with the products sold by you. Also, please ensure that you make your customers aware of the relevant binding instructions and legal aspects of the document.

We also provide you with operation and maintenance instructions for end users for you to pass on to your customers. These can also be downloaded from the MACO website (www.maco.eu).

We offer an option in our extranet (extranet.maco.eu) with our online catalogue, which, in addition to highly up-to-date information, also offers the advantage of extensive additional technical information for all components. You can obtain access details from your contact partner in field sales.

All of our printed documentation is continuously revised and expanded. Please make sure that you are working with our most current documentation. All of our documentation is available for download from www.maco.eu. We hope that the catalogue will prove to be a valuable tool for your daily work. We wish you every success and hope to see you online soon.

Please fill in completely

We confirm receipt and approvingly acknowledge its contents.

Stamp:

_____

Please print your name in capital letters

Date: _____ Signature: _____

MACO sales manager: _____

MAYER & CO BESCHLÄGE GMBH • ALPENSTRASSE 173 • PO box 94 • A-5020 Salzburg
Phone: +43 662 6196-0 • Fax Purchasing: +43 662 6196-1222 • Fax Sales: +43 662 6196-1449
Commercial register: Salzburg district court • Registration number: FN 136280m • DVR 0564389 • ATU-Nr.: 39042709
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1 General and technical information

1.1 How to use the catalogue

If not otherwise specified, all dimensions are stated in millimetres and packing units in items per box.

Drawings and diagrams are not to scale.

The content of this document is constantly being updated, so regular comparision is necessary.

The current version is downloadable from our website (www.maco.eu).

Further technical documents are available in our Technical Online Catalogue TOM (extranet.maco.eu).

No liabilities are accepted for possible printing errors, mistakes or changes.

Please send comments or suggestions about our catalogues by email to feedback@maco.eu.

1.2 Information on product safety and product liability

In accordance with the manufacturer's liability for his products defined in the Product Liability Act (PHG in Austria, ProdHaftG in Germany, PrHG in Switzerland, Codice del Consumo in Italy), the following information on turn-only and turn&tilt hardware for sashes in window and window door must be heeded. Non-compliance shall release the manufacturer from this liability.

1.2.1 Product information and proper use

Turn-only and turn&tilt hardware in the terms of this definition are hardware for turn and/or tilt sashes in windows and window doors made of timber. They are used to move windows and/or casement door sashes to an inwards turn position or to a tilt position that is restricted by the scissor stay when a handle is operated. When closing the sash and locking the hardware, it is generally necessary to overcome the counter-force of the seal.

The sashes that are equipped with this turn-only and turn&tilt hardware can:

- turn-only
- turn and tilt or
- tilt before turn or
- tilt-only.

Turn-only and turn&tilt hardware are used on vertically installed windows and window doors made of timber, PVC, aluminium or steel and their corresponding material combinations. Proper use includes compliance with all specifications made in the corresponding product documentation.

Differing applications do not correspond to their proper use. Burglar-resistant window and window doors, windows and window doors for damp rooms and those for use in environments with aggressive, corrosive air content, require hardware that has been adapted to the particular application and specifically agreed performance features. Open windows and window door sashes achieve only a shielding function and do not satisfy the requirements for joint seals, protection against driving rain, sound absorption, thermal protection and burglary resistance.

In the case of wind and draught, the windows and window door sashes must be closed and locked. Wind and draught in the terms of this definition apply when a window or window door sash that is in one of the opening position opens or closes autonomously due to air pressure or draught and in an uncontrolled manner. The resistance against wind loads in a closed and locked state is dependent on the respective designs of windows & window doors. Should wind loads in accordance with DIN EN 12210 (in particular pressure test p3) be accommodated, suitable hardware set combinations must be agreed for the respective window design and frame material and approved individually Generally speaking, the hardware sliding fulfils the requirements for barrier-free apartments in accordance with DIN 18025, ÖNORM B 1600 or SIA 500. This requires corresponding combinations and installation of hardware sets for windows and window doors, which must be coordinated and agreed individually.

1.2.2 Incorrect use or misuse

The following cases, in particular, shall be deemed to be product misuse - i.e. utilization turn-only and turn&tilt hardware for windows and window doors for purposes other than their specified proper use:

- If obstacles are inserted in the opening area, thereby preventing proper use of the product
- Additional loads act on windows or window door sashes
- When opening and/or closing (turning or tilting), handling between the cover frame and the sash or when a person or limb is present in this area
- When the sash is not guided manually over the entire range of motion to the absolute closing or opening position
- The sash is pressed against the opening edge (window reveal).

1.2.3 Principles of liability

The relevant entire hardware set may only consist of hardware components from the MACO turn-only and turn&tilt MULTI-MATIC hardware. The component combination may neither be modified, extended nor restricted. In the case of non factory-approved combinations by and/or inappropriately assembled hardware, and/or the use of non-original and/or non factory-approved accessory components, no liability will be accepted.

All hardware for windows and French casement windows must be inspected and serviced systematically by qualified experts to ensure their functional integrity and safety. This maintenance must be carried out - verifiably and documented - in accordance with our maintenance documentation: otherwise, no liability can be accepted.

Our processing specifications in the product catalogues, installation instructions/information and leaflets are binding and must be heeded without restriction; otherwise, no liability can be accepted for the safety and/or durability of the hardware.

Where timber, PVC, light-metal or steel profiles are used, the specifications the profile manufacturer and/or system owner must be observed. The window fabricator is essentially responsible for ensuring compliance with the specified system-related dimensions (for example, the gasket gap dimensions). These specified system-related dimensions must be checked regularly, in particular when using new hardware components for the first time, and also during production as well as during the window installation process. The hardware components are designed to permit partial or full adjustment of the certain system-related dimensions, provided that the hardware can have an effect on these. Should there be a deviation from these dimensions, resulting in a fault that has not been noted prior to window installation, no liability shall be accepted for the additional expenses incurred.

1.2.4 Product performance

The fundamental principle for the suitability of use of MACO hardware is compliance with all specification in the product documentation supplied by MACO. The documents are maintained in a document management system and the current edition is available at www.maco.eu. The classification of the products according to EN 13126-8 is shown at Certificates for products.

1.2.4.1 Maximum sash weights and sash rebate dimensions

The defined maximum sash weights for the individual hardware versions may under no circumstances be exceeded. The component that has the lowest permissible load-bearing capacity determines the max. Application diagrams, installation instructions/information and component assignments must be observed.

1.2.4.2 Hardware composition

The manufacturers guidelines regarding hardware composition (e.g. positioning of exterior handles, hardware design for burglary-resistant windows and window sashes) are legally binding.

1.2.4.3 Fixing of hardware

MACO guarantees as a hardware manufacturer and deliverer, the quality and serviceability of its products. Because of different installation situations there are no general valid instructions for the screw fixing of hardware possible. The TBDK guideline Gütegemeinschaft Schlösser und Beschläge (quality community for locks and hardware - www.beschlagindustrie.de) or the standard EN 13126-8 are usually a help for the specifications of screw fixing.

1.2.5 Product maintenance

1.2.5.1 General

Inspection and service are fundamental components of maintenance. The verified maintenance is in turn basis for the legal warrant and/or our guarantee.

All inspection intervals and maintenance instructions must be observed. These details must be evident from the operating and maintenance instructions for the corresponding turn-only and/or turn&tilt hardware.

Settings and adjustments for the hardware, as well as replacement of components may only be carried out by specialists. Similarly, inserting and/or removing the sashes may only be carried out by specialists. When treating surfaces - e.g.: painting or glazing windows and window doors, all hardware components must be excluded from this treatment and protected to prevent contamination.

1.2.5.2 Retaining the surface quality

The electrolytically applied zinc coatings are not affected in a normal room climate if no condensation collects on the hardware components (or occasional condensation can dry off quickly). To retain the surface quality of the hardware components over the long term and prevent damage due to corrosion, it is essential to observe the following points:

- The hardware and/or the rebate areas must be ventilated sufficiently – in particular during the building phase – so that they are not exposed to direct wetness impact or to condensation. If systematic ventilation is not possible, because fresh screed cannot be accessed or does not tolerate draughts, bring the windows to the tilt position and seal them off air-tight at the room side. Use condensation dryers to remove any humidity from the room air to outside the area.
- The hardware must be kept free of deposits and soiling through construction material (building dust, gypsum plaster, cement etc.). Aggressive vapours in the rebate area (e.g.: due to formic or acetic acids, ammonia, amine or ammonia compounds, aldehydes phenols, tannic acids, etc.) in conjunction with small formations of condensation can lead to fast corrosion on the hardware components. If such aggressive vapours do occur, a sufficient supply of fresh air to the rebate areas must generally be provided for windows and window doors. This applies in particular to windows and window doors made of oak or other wood types that have a high share of tannic acid. No acetic-acid or cross-linked acidic sealing compounds or those with the above mentioned contents may be used, since both direct contact with the sealing compound and its vapours can attack the surface.
- Cleaning instructions according to the operation and maintenance instruction for end customers (order no. 757071) in the download area of our website (www.maco.eu).

1.2.6 Information and instruction duties

The following is available to comply with information and instruction obligation duties and perform maintenance work in accordance with the product liability legislation:

- for dealers: Catalogues, operation and maintenance instructions, installation instructions/information and leaflets for components
- for processors: Catalogues, tool drawings, operation and maintenance instructions, installation instructions/information and leaflets for components
- for owners and end users: Operating and maintenance instructions

To ensure the functional integrity of sliding hardware for the sashes of window and window doors:

- Designers must request all relevant product information from the manufacturer and observe the details provided.
- Specialised dealers are obliged to comply with all relevant product information and, in particular, request installation instructions/information, factory drawings, component leaflets, as well as operating and maintenance instructions from the manufacturer and hand these over to the processors.
- Processors are obliged comply with all relevant product information and, in particular, request operating and maintenance instructions from the manufacturer or specialized dealers and forward these to the end user.

All above mentioned reference material is available for download from the MACO website (www.maco.eu).

1.2.7 Application for similar hardware

Hardware for sliding folding doors must be treated analogously with respect to product information for proper use, misuse, product performance, product maintenance, information & instruction obligations as the features apply.

1.2.8 Disclaimer

The manufacturer's liability can also be excluded, among other things:

- If the fault is attributed to a regulation or an official ruling, to which product compliance was stipulated.
- Characteristics of the product, which have given rise to the claim (against the manufacturer), could not be identified as a fault according to the conditions of science and technology at the time.
- The claim (against the manufacturer) only involves a basic material or a part product that was manufactured, and the fault is due to the construction of the product that was incorporated into the basic material or the part product, or as a result of instructions issued by the manufacturer of this product.

In connection with Section 1.2 and its subsections, the guideline - Hardware for windows and balcony doors - Guidelines/ advice on the product and on liability (VHBH) of the Quality Assurance Association: Locks and Hardware (Gütegemeinschaft Schlösser und Beschläge e.V.) must be observed. Download at www.beschlagindustrie.de.

1.3 Information on transport and handling of window units

Improper handling and improper transport of the windows and/or casement door elements can produce hazardous situations and cause serious accidents or lethal injury. To prevent this, the following instructions must be heeded:

- During loading and unloading, select force application points which exclusively create reaction forces appropriate to the designed layout of the hardware components for the intended installation location.
- During handling and transport, ensure that the hardware is in the locked position to prevent the sash from opening unexpectedly. Use suitable securing equipment to do this.
- Use only transport fastenings designed for the respective clearance.
- Wherever possible, transport the windows in the intended installation position. If transport in the intended installation position is not possible, unhinge the sash, and transport it separately from the frame to which it belongs.
- During transport, loading, and unloading, especially if auxiliaries such as suction cups, transport nets, forklifts, or cranes are used for support, reaction forces may arise which could damage or overload the installed hardware. Therefore, observe the following instructions during all transport, loading, and unloading.
- The type and the force application points when transporting, loading, and unloading have a significant effect on the reaction forces which arise.
- Always choose the force application points so that the resulting reaction forces are dissipated appropriate to the design of the hardware components for the intended installation location. This applies particularly for the hinge positions.
- During transport, loading, and unloading, especially if auxiliaries such as suction cups, transport nets, forklifts, or cranes are used for support, reaction forces may arise which could damage or overload the installed hardware.
- Always use transport securing measures appropriate to the actual clearance (e.g. spacer blocks), in order to hold the sash in the intended position in the frame during transport, and thus to dissipate the resulting reaction forces directly from the sash via the frame.
- Wherever possible, always transport window elements in the intended installation position, so that the resulting reaction forces are dissipated appropriate to the designed layout of the hardware components for the intended installation location. This applies particularly for the hinge positions. If transport in the intended installation position is not possible, unhinge the sash, and transport it separately from the frame to which it belongs.

1.4 Information on storage and transport of hardware components

Improper storage of fittings can affect the surface quality. To prevent this, the following points should be noted:

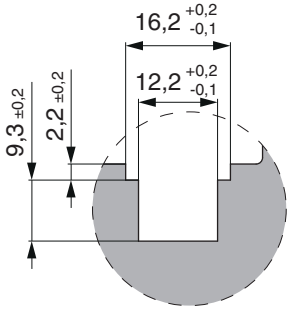
- Ensure that the room air is permanently dry.
- Large temperature fluctuations, which lead to condensation must be prevented. Condensation on fittings means that the galvanized surfaces are attacked (red rust formation).
- Aggressive vapors by cleaners or assembly aids such as silicone, and the like must - be avoided - even briefly. Vapors of such substances can cause very rapid corrosion of fittings.
- Salty air or polluted by industrial air causes galvanized surfaces to corrode and can leave deposits.

1.5 Profile specifications

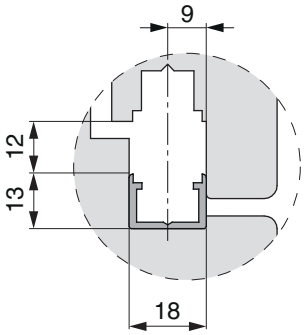
1.5.1 Eurogroove

For installation of turn-only and turn&tilt hardware the Eurogroove must be designed according to the following specifications:

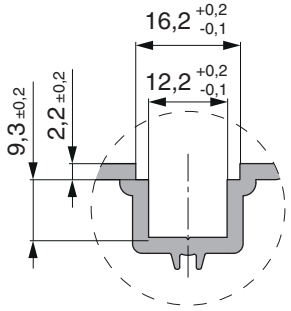
Timber sash

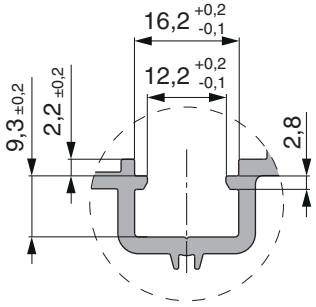


Timber sash French casement design with aluminium recess

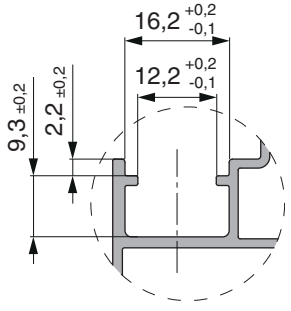


PVC sash





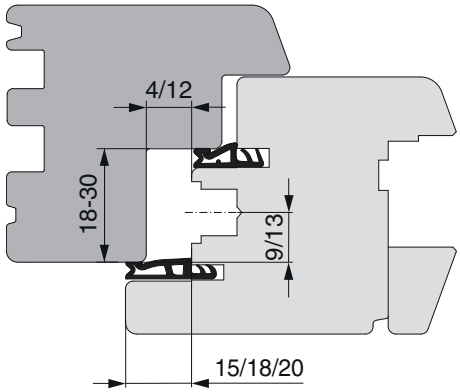
Aluminium sash



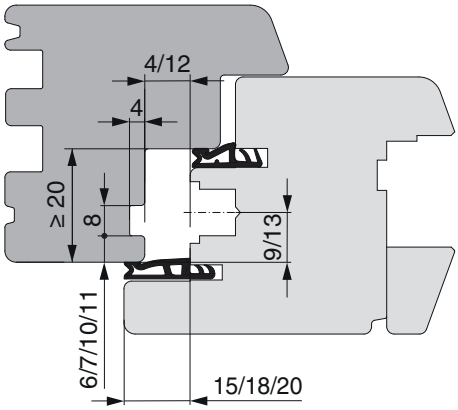
1.5.2 Recommendation for timber profiles

Single-sash

System Euro-rebate

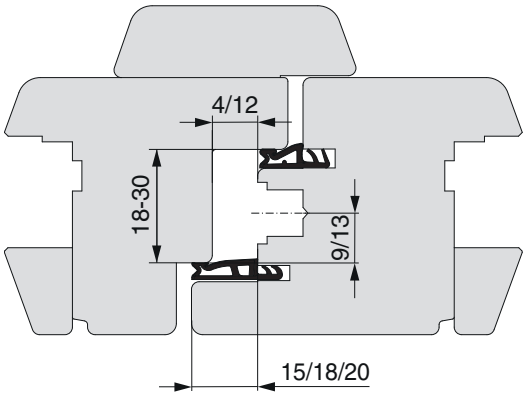


System hardware groove

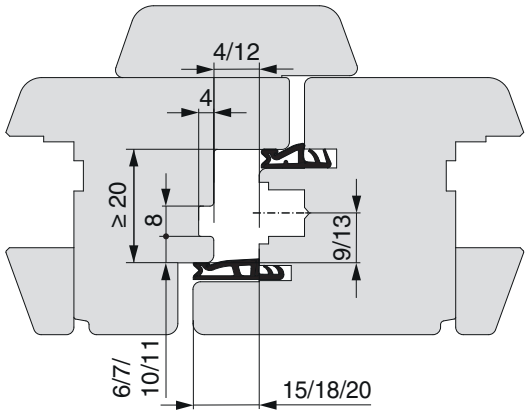


Double-sash (French casement)

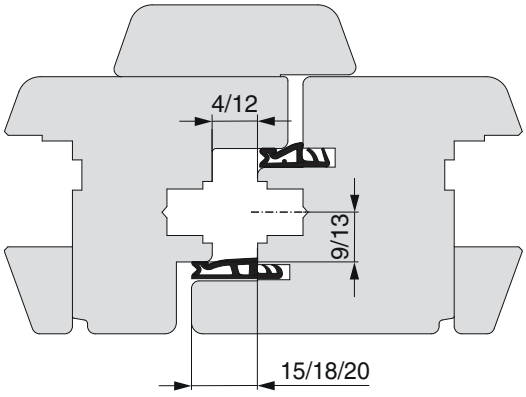
French casement sash with Euro-rebate



French casement sash with hardware groove

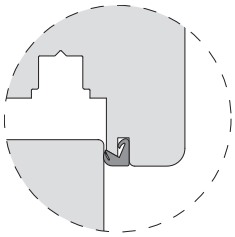


French casement sash with Eurogroove

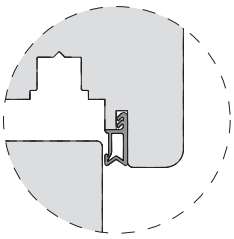


Design of rebate leg weatherseal

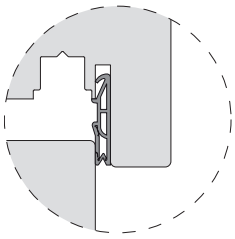
small



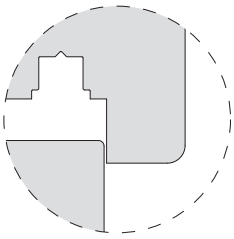
medium



large



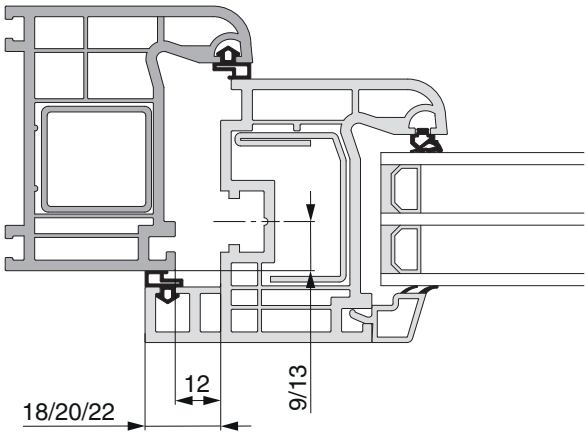
without



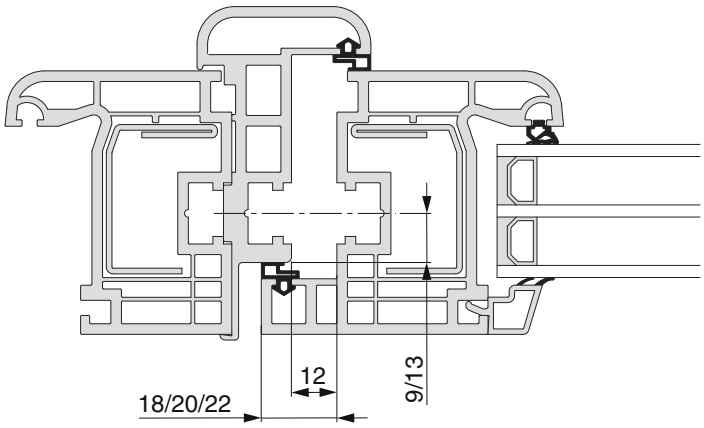
Further information on the possible designs and materials of weatherseals for windows, doors and slide systems according to our weatherseals catalogue (order no. 757507 – for download on www.maco.eu) or our Technical Online Catalogue (TOM).

1.5.3 Examples for PVC profiles

Single-sash

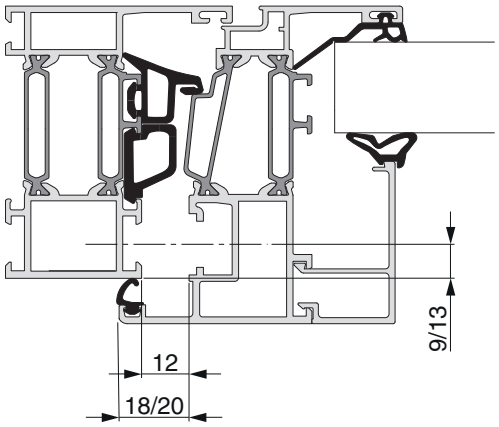


Double-sash (French casement)

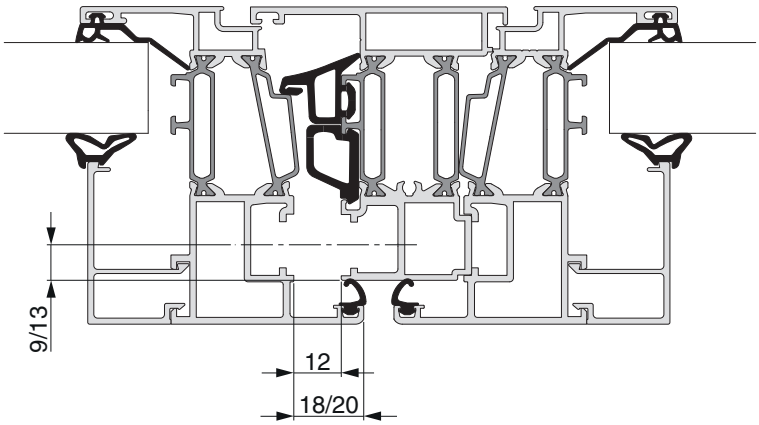


1.5.4 Examples for aluminium profiles

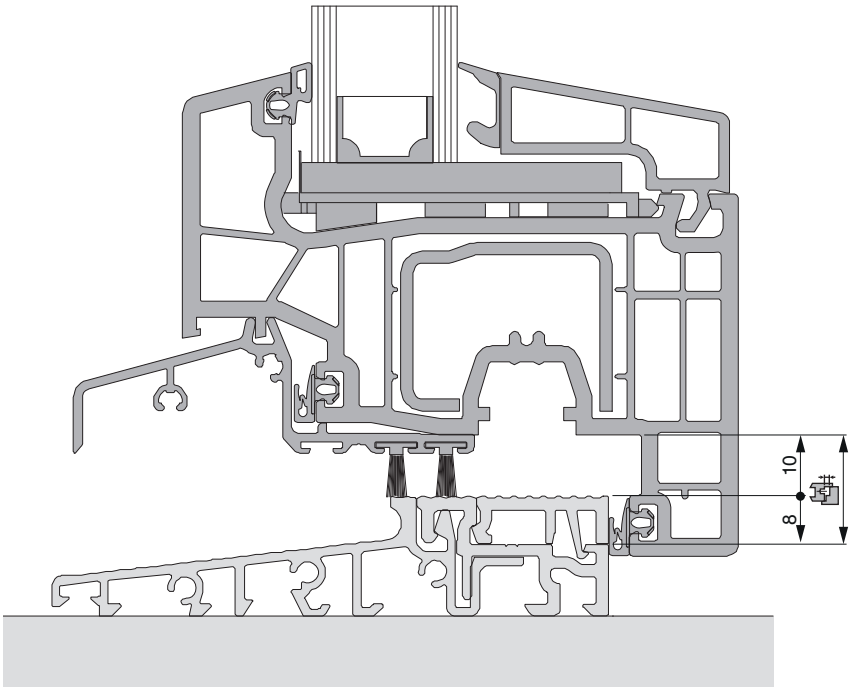
Single-sash



Double-sash



1.5.5 Example for threshold profiles



1.6 MACO surface finish

Hardware components in this catalogue are offered in different surface finishes. Components of the central locking system are available in Silverlook or Tricoat, visible bearing components can be powder coated in RAL classic colors as well. Standard components in this catalogue are readily available, the delivery times for special versions are available on request from our field service representatives. In our brochure “MACO surfaces” (order no. 49510, available to download from our website www.maco.eu) you will find detailed information about all our surface finishes and their areas of application. Activities to protect and preserve the surface finishes according to the operation and maintenance instruction for end customers (order no. 757071).

1.7 Classification code in accordance with EN 13126-8

Consecutive number	Design of sash rebate	Design of sash hardware	Description of hardware specifications on frame side				Sash weight	Classification according to verification as per EN 13126-8			
								1	2	3	4
			Rebated scissor stay support arm	Scissor stay hinge	Corner support	Pivot post		Lasting functionability	Mass (in kg)	Corrosion resistance	Test quantities (in mm)
1.	PVC with positioning pins	MULTI-MATIC RC 2	52486	52480	52478	52483	100 kg	H2	100	5	900/2300
2.	PVC with positioning pins	MULTI-MATIC RC 2	52486	52480	52478	52483	100 kg	H2	100	5	1300/1200
3.	PVC with supporting pins long	MULTI-MATIC Standard *	52486	52481	52479	52484	120 kg	H2	120	5	1300/1200
4.	PVC with supporting pins long	MULTI-MATIC RC 2 *	52486	52481	52479	52484	120 kg	H2	120	5	900/2300
5.	PVC with supporting pins long	MULTI-MATIC RC 2 *	52486	52481	52479	52484	120 kg	H2	120	5	1300/1200
6.	DT130	MULTI-MATIC Standard *	202534	202543	54710	52703	130 kg	H2	130	5	1300/1200
7.	DT130	MULTI-MATIC RC 2 *	202534	202543	54710	52703	130 kg	H2	130	5	900/2300
8.	DT130	MULTI-MATIC RC 2 *	202534	202543	54710	52703	130 kg	H2	130	5	1300/1200
9.	DT160	MULTI-MATIC Standard *	202535	227470	227504	227476	160 kg	H2	160	5	900/2300
10.	DT160	MULTI-MATIC Standard *	202535	227470	227504	227476	130 kg	H2	130	5	1300/1200
11.	MULTI POWER PVC	MULTI-MATIC Standard *	217482	215767	215804	215810	130 kg	H2	130	5	1300/1200
12.	MULTI POWER PVC	MULTI-MATIC Standard *	217482	215767	215804	215810	150 kg	H2	150	5	900/2300
13.	MULTI POWER Timber	MULTI-MATIC Standard *	217474	215767	215804	215810	130 kg	H2	130	5	1300/1200
14.	MULTI MAMMUT PVC	MULTI-MATIC Standard *	223624	210600	227694	211869	180 kg	H2	180	5	1550/1400
15.	MULTI MAMMUT Timber	MULTI-MATIC Standard *	223606	210600	210611	210594	220 kg	H2	220	5	900/2300
16.	MULTI MAMMUT Timber	MULTI-MATIC Standard *	223608	210600	210611	210594	200 kg	H2	200	5	1550/1400

* optional with MULTI-MATIC tilt lock bolt

Observe all technical documentation of hardware manufacturer, especially corresponding application diagrams!
A list of all current classification keys is available at the MACO website (www.maco.eu) under tab "Downloads" (ift Certificate of Conformity QM328).

1.8 Security for turn and tilt hardware (mechanical burglary resistance)

1.8.1 General Information

Generally, a variety of design variants are possible for a window or French door. Besides the requirements for corrosion resistance, the end user's demands for convenience, colour design and, above all, security are decisive for the selection of the hardware components. The combination and/or design of various hardware components allows a variety of security levels.

With MACO hardware windows and casement doors can be built in burglar-resistant versions in accordance with resistance classes RC 1, RC 2 or RC 3 (EN 1627 - 1630).

Note: These standards dictate a complete examination of the finished window, which includes the following areas:

a) Glazing
b) Hardware
c) Assembly and/or securing the window within the wall

1.8.2 MACO security levels (basic security)

Single-sash windows and balcony doors

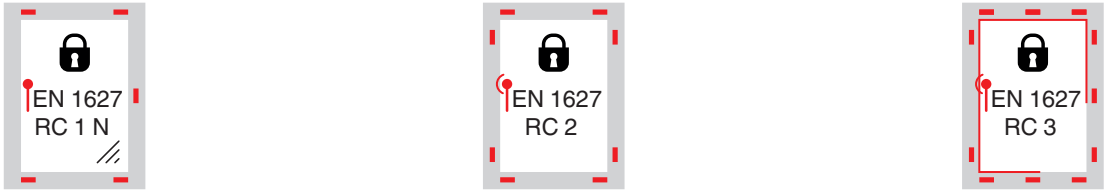


Double-sash windows and balcony doors

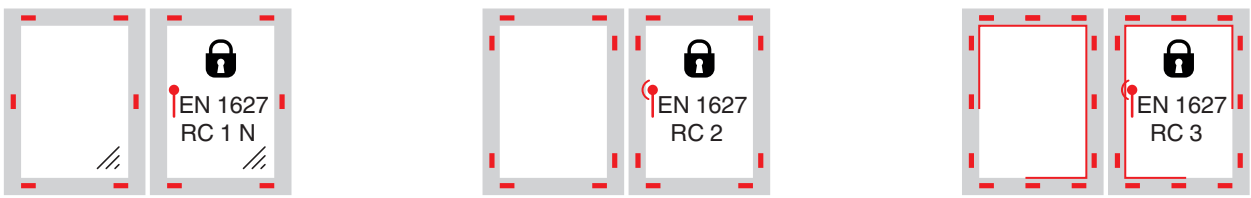


1.8.3 Security in accordance with EN 1627 - 1630

Single-sash windows and balcony doors



Double-sash windows and balcony doors



Further and/or supplementary information on the topic of security and the exact design of the hardware is provided in our brochures MACO security and MACO MULTI burglary resistance in timber and PVC windows. All documents are available for download from the MACO website www.maco.eu in the Downloads area.

1.9 Certificates and guarantees

MACO ensures high quality, not only with ongoing continuous internal testing, but also through external auditing by renowned, independent institutes. Copies of all our current independent test certificates, covering our quality, safety and environmental management systems, as well as our product guarantees are available to download from our website www.maco.eu. In addition our safety descriptions relating to dangerous substances (REACH Declaration) are available, covering all MACO products.

1.10 General terms and conditions

Our current general terms and conditions are available for download from our website (www.maco.eu).

2 Fundamental processing information

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2.5 Application diagrams for angled windows 142

2 Fundamental processing information

2.1 Manufacturers application advices

This catalogue applies only for the installation of MACO MULTI-MATIC turn-only and turn&tilt hardware of plumb windows and window doors in building construction. The hardware is designed for the following sash rebate dimensions and sash weights:

1. Maximum sash weights

The following listed maximum sash weights for the individual hardware versions may not be exceeded. The component that has the lowest permissible load-bearing capacity determines the max. sash weight. Application diagrams and component assignment must be observed.

2. Sash sizes

The description of the application diagrams show the relationships between the permissible sash rebate widths and sash rebate heights, depending on various glass weights and/or total glass thickness. The resulting sash rebate dimensions or sash formats (portrait and/or landscape format) - as well as the maximum sash weight - may not be exceeded under any circumstance.

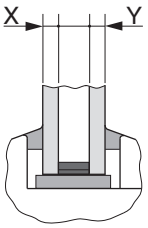
3. Composition of the hardware

The manufacturer's regulations governing the combination of hardware are binding (for example, the application of additional stay arms, the hardware design for burglar-resistant window and casement doors, sashes etc.).

2.2 Calculation of glass weight (= sash weight)

Glass thickness (mm)	8	10	12	14	16	18	20	22	24
Weight (kg/m²)	20	25	30	35	40	45	50	55	60

1 mm = 2.5 kg/m²

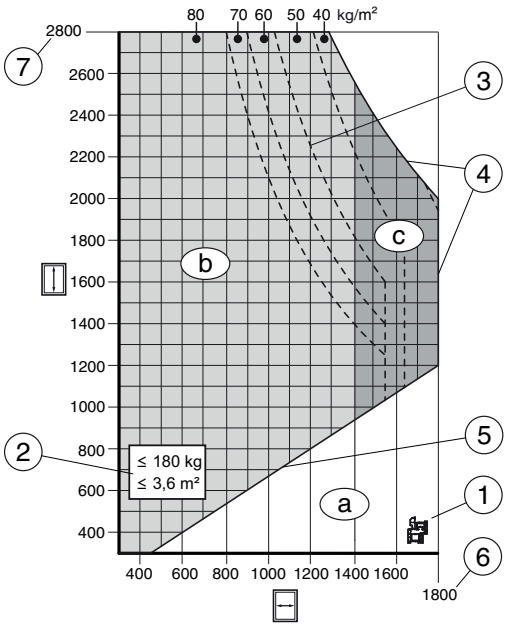


Total glass thickness = x + y

In order to derive the sash weight from the weight of the glass in a simplified form, it is not necessary to use the glass rebate dimensions but the sash rebate dimensions to calculate the weight!

2.3 Application diagram

2.3.1 Information inside the application diagram



1) Material mark

2) Maximum weight and format size

3) Glass weight lines (dashed)

4) Maximum format size

5) Ratio SRH : SRW (1 : 1.5)

6) Maximum sash rebate width (SRW)

7) Maximum sash rebate height (SRH)

a) White area = not allowed

b) Grey area = allowed

c) Dark grey area = stabilizing scissor stay necessary

2.3.2 Calculation examples

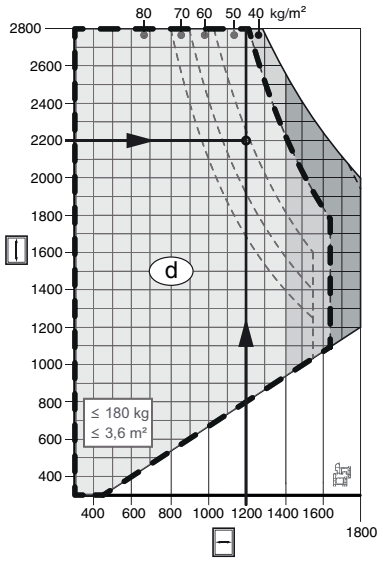
Example 1: Sash weight is within the valid range

Sash-rebate dimensions 1,200 x 2,200 mm

Total glass thickness = 20 mm

Glass weight = 20 mm x 2.5 kg/m² = 50 kg/m²
(Sash weight = 1.2 x 2.2 x 50 ≈ 132 kg)

VALID range of application, because the point of intersection is left of the line 50 kg/m².



d) Valid range

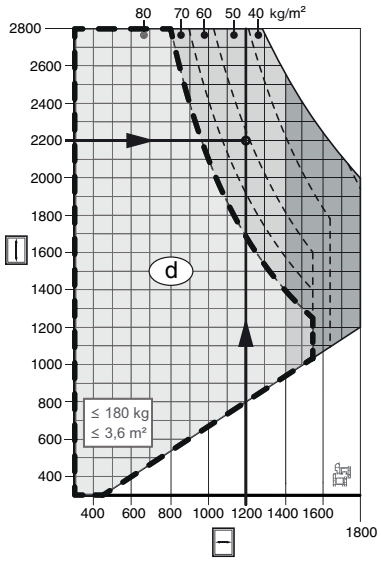
Example 2: Sash weight is outside the valid range

Sash-rebate dimensions 1,200 x 2,200 mm

Total glass thickness = 32 mm

Glass weight = 32 mm x 2.5 kg/m² = 80 kg/m²
(Sash weight = 1.2 x 2.2 x 80 ≈ 211 kg)

INVALID range of application, because the point of intersection is NOT left of the line 80 kg/m².



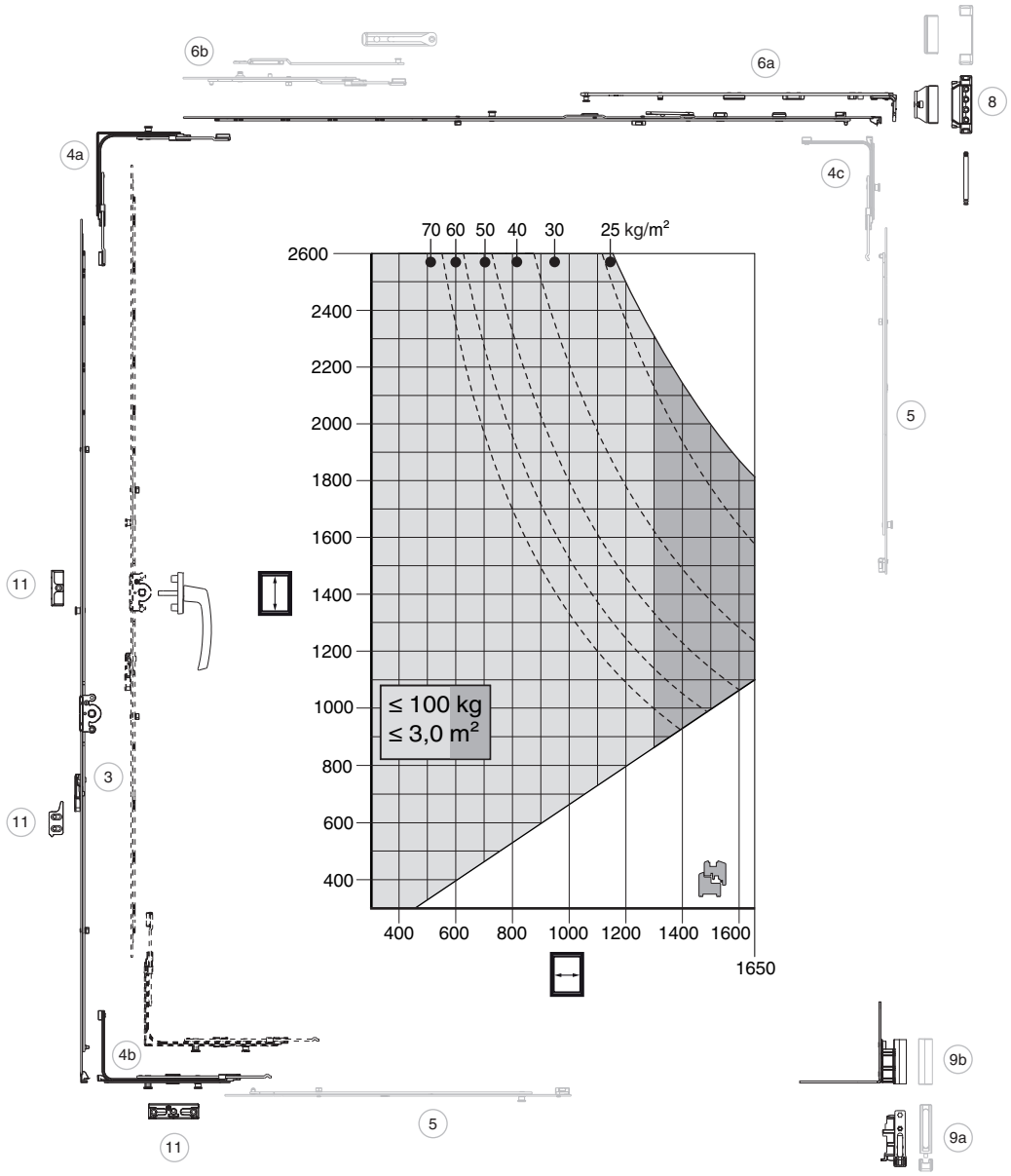
d) Valid range

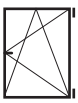
2.4 Hardware overviews

2.4.1 Timber (DT130, DT160)

2.4.1.1 DT130

2.4.1.1.1 1-sashed rectangular T&T window with pivot post DT130 and rebated corner support DTuni without rebate-leg screw fixing






≤ 1650 x 2600 mm


≥ 320 mm


≥ 220 mm


≥ 360 mm (15)
≥ 455 mm (6,5)


≥ 470 mm (15)
≥ 530mm (6,5)


≥ 270 mm (15)
≥ 365 mm (6,5)


≥ 400 mm (15)
≥ 460mm (6,5)

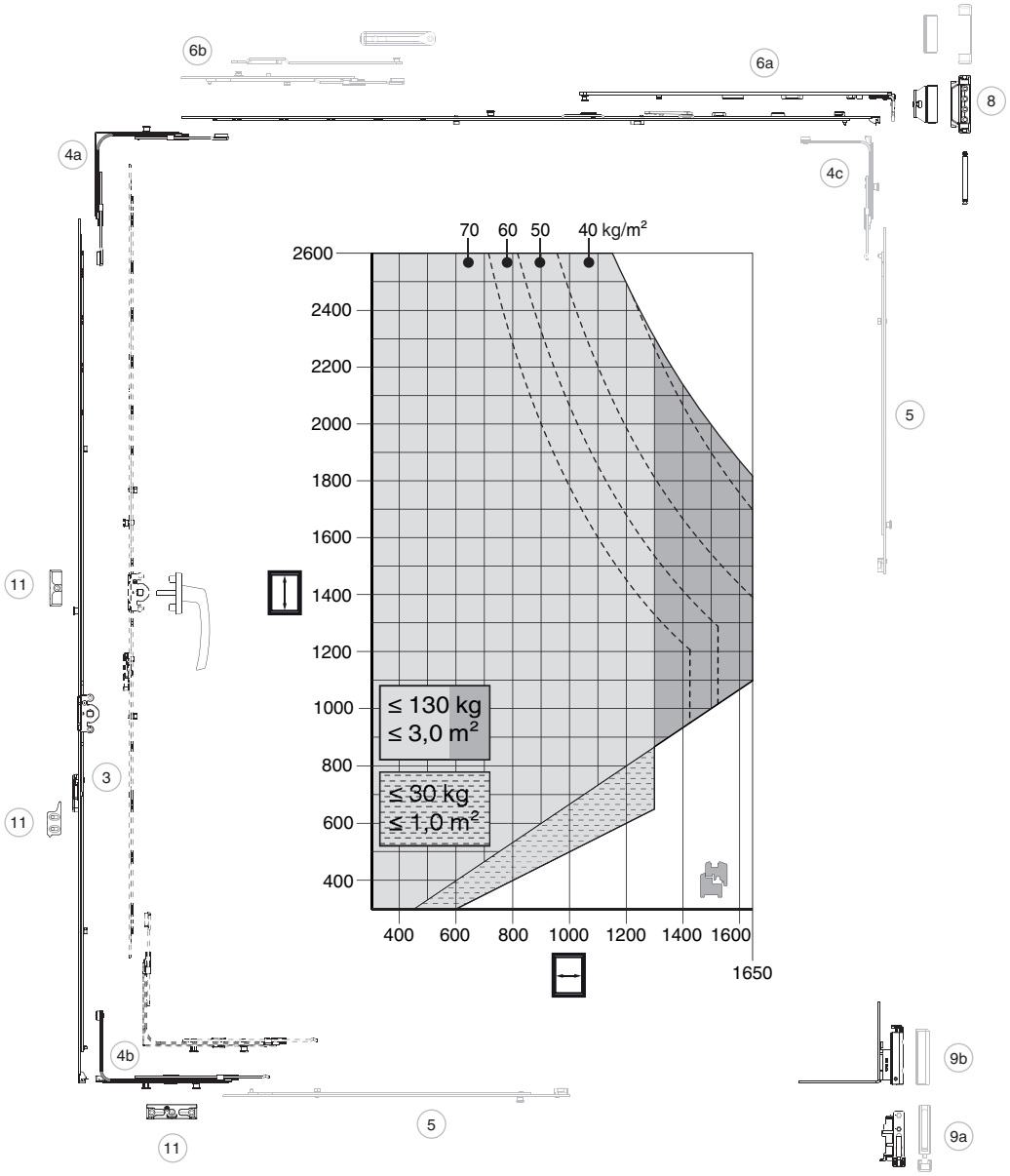
3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

6b = Stabilizing scissor stay necessary from 1,301 mm (dark shading in application range diagram).

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.1.4	Scissor stay faceplates i.S.	→191
6b	6.8.1	Stabilizing scissor stays	→201
8	8.5.1	Scissor stay hinges DT130	→222
9a	9.4.1	Pivot posts DT130	→237
9b	9.4.3.3	Rebated corner supports DTuni without rebate-leg screw fixing	→239
11	11	Striker plates	→274

2.4.1.1.2 1-sashed rectangular T&T window with pivot post DT130 and rebated corner support DT130 with rebate-leg screw fixing



≤ 1650 x 2600 mm

≥ 320 mm

≥ 220 mm

≥ 360 mm (15)
≥ 455 mm (6,5)

≥ 470 mm (15)
≥ 530mm (6,5)

≥ 270 mm (15)
≥ 365 mm (6,5)

≥ 400 mm (15)
≥ 460mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

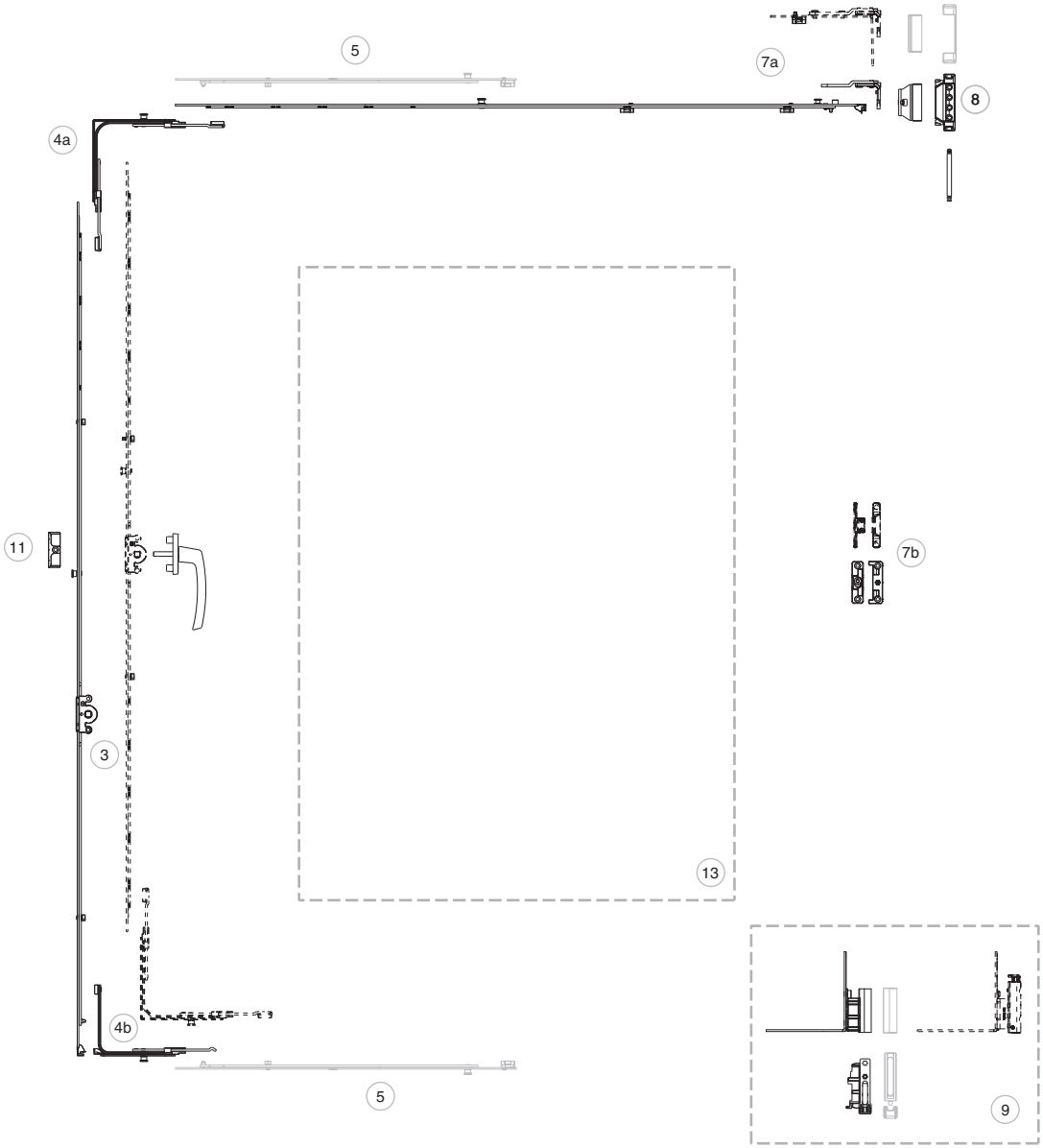
5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

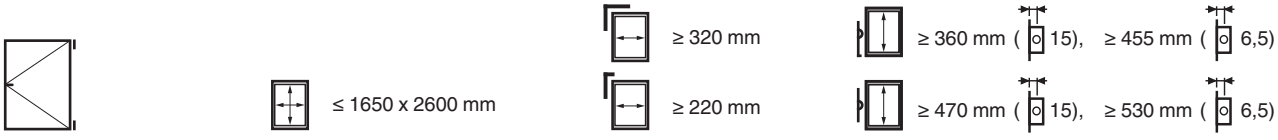
6b = Stabilizing scissor stay necessary from 1,301 mm (dark shading in application range diagram).

9 = The support screw has to be set from 100 kg sash weight!

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.1	Rebated scissor stays	→190
6b	6.8.1	Stabilizing scissor stays	→201
8	8.5.1	Scissor stay hinges DT130	→222
9a	9.4.1	Pivot posts DT130	→237
9b	9.4.3.1	Rebated corner supports DT130 with rebate-leg screw fixing	→238
11	11	Striker plates	→274

2.4.1.1.3 1-sashed rectangular turn-only window with pivot post DT130 and fixed or croppable turn-only hinge





3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7a = Turn-only hinge - sash part fixed or croppable.

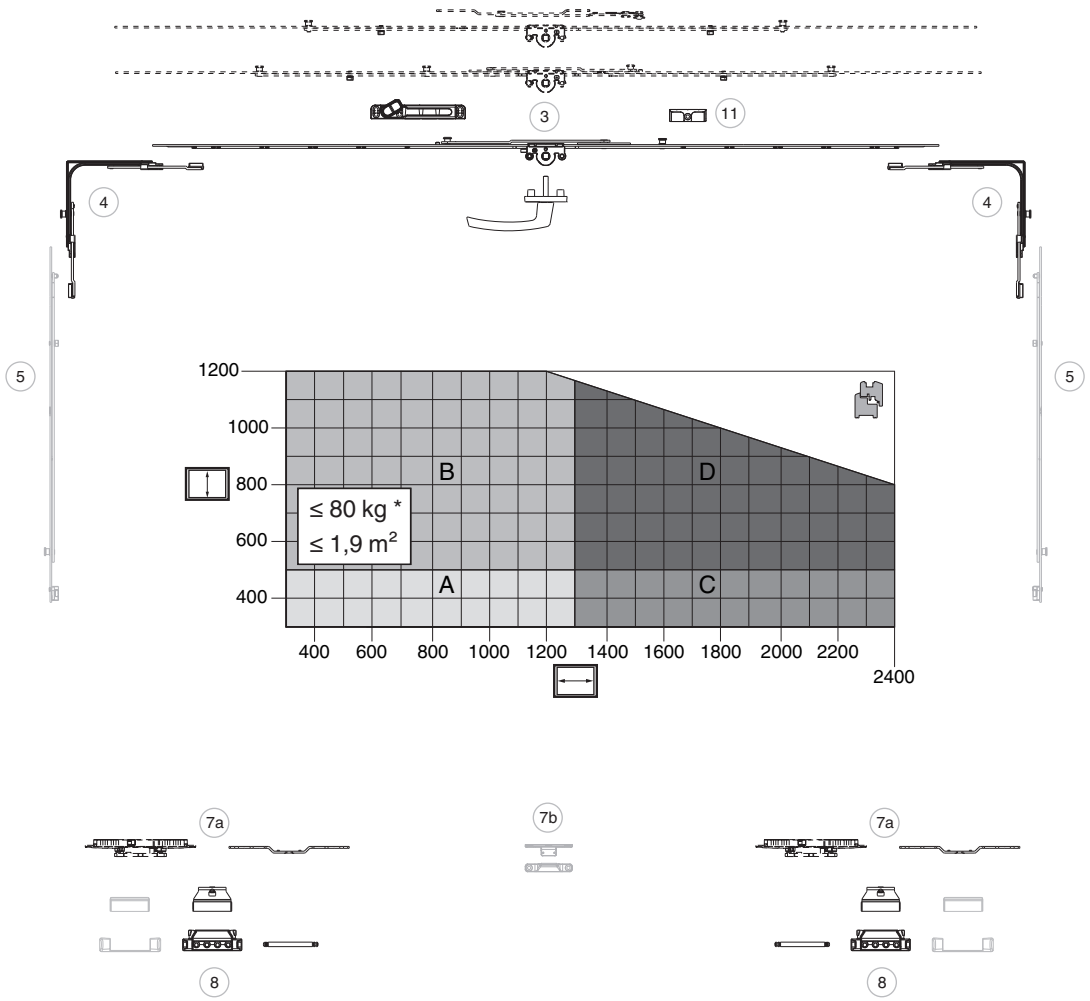
7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

9 = For possible pivot post combinations refer to matrix; the support screw has to be set from 100 kg sash weight!

13 = For application diagram refer to turn&tilt hardware overview according to corresponding pivot post combination.

		Selection guide	Page
3a	3.2.1.1	Turn-only drive gears BS 15 FHH i.S.	→155
3b	3.2.1.6	Turn-only drive gears BS 15 VHH i.S.	→156
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
7a	7.1	Turn-only hinges - sash part AS/DTuni/PVC	→204
7b	7.7	Compression devices	→213
8	8.5.1	Scissor stay hinges DT130	→222
9	9.4.1	Pivot posts DT130	→237
11	11	Striker plates	→274

2.4.1.1.4 1-sashed rectangular tilt-only window with scissor stay hinge DT130 and tilt-only hinge DT



≤ 2400 x 1200 mm

≥ 210 mm

≥ 300 mm

≥ 650 mm

A = 1 tilt stay + restrictor and cleaning stay size 1.

B = 1 tilt stay + restrictor and cleaning stay size 2.

C = 2 tilt stays + restrictor and cleaning stay size 1.

D = 2 tilt stays + restrictor and cleaning stay size 2.

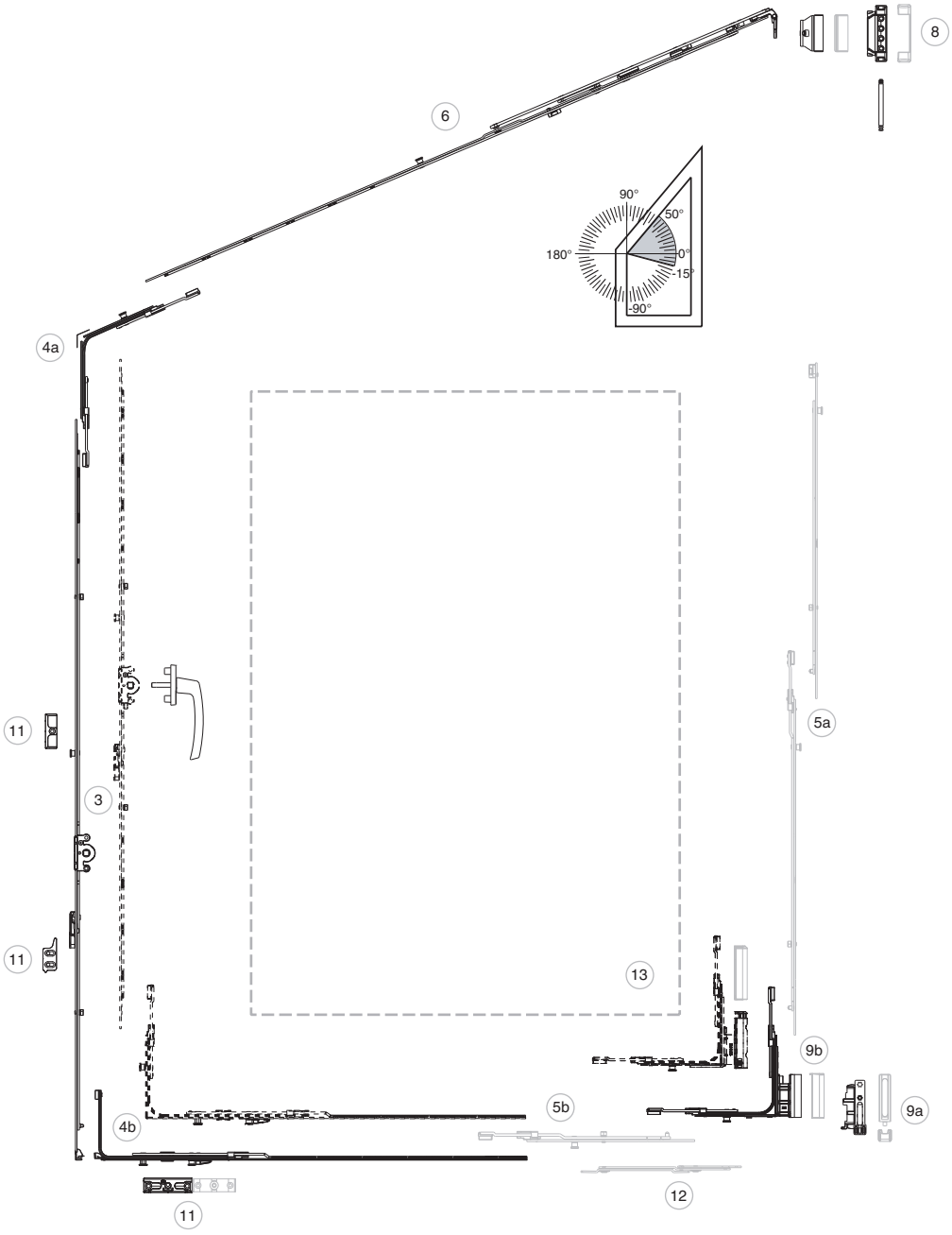
* = Mandatory installation of restrictor and cleaning stay (guideline FPKF at www.schlossindustrie.de)! Observe application diagrams and max. load capacity for restrictor and cleaning stays!

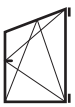
5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

		Selection guide	Page
3	3.4	Espagnolettes	→162
4	4.1.1	Corner elements standard i.S.	→172
5	5.1	Centre locks FHH i.S.	→182
7a	7.2	Turn and tilt hinges - sash part AS/DTuni/PVC	→206
7b	7.7	Compression devices	→213
8	8.5.1	Scissor stay hinges DT130	→222
11	11	Striker plates	→274

2.4.1.1.5 1-sashed angled T&T window with pivot post DT130 and rebated corner support DT with corner element







≤ 1650 x 2600 mm



≥ 465 mm



≥ 370 mm



≥ 360 mm (15), ≥ 455 mm (6,5)



≥ 470 mm (15), ≥ 530 mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

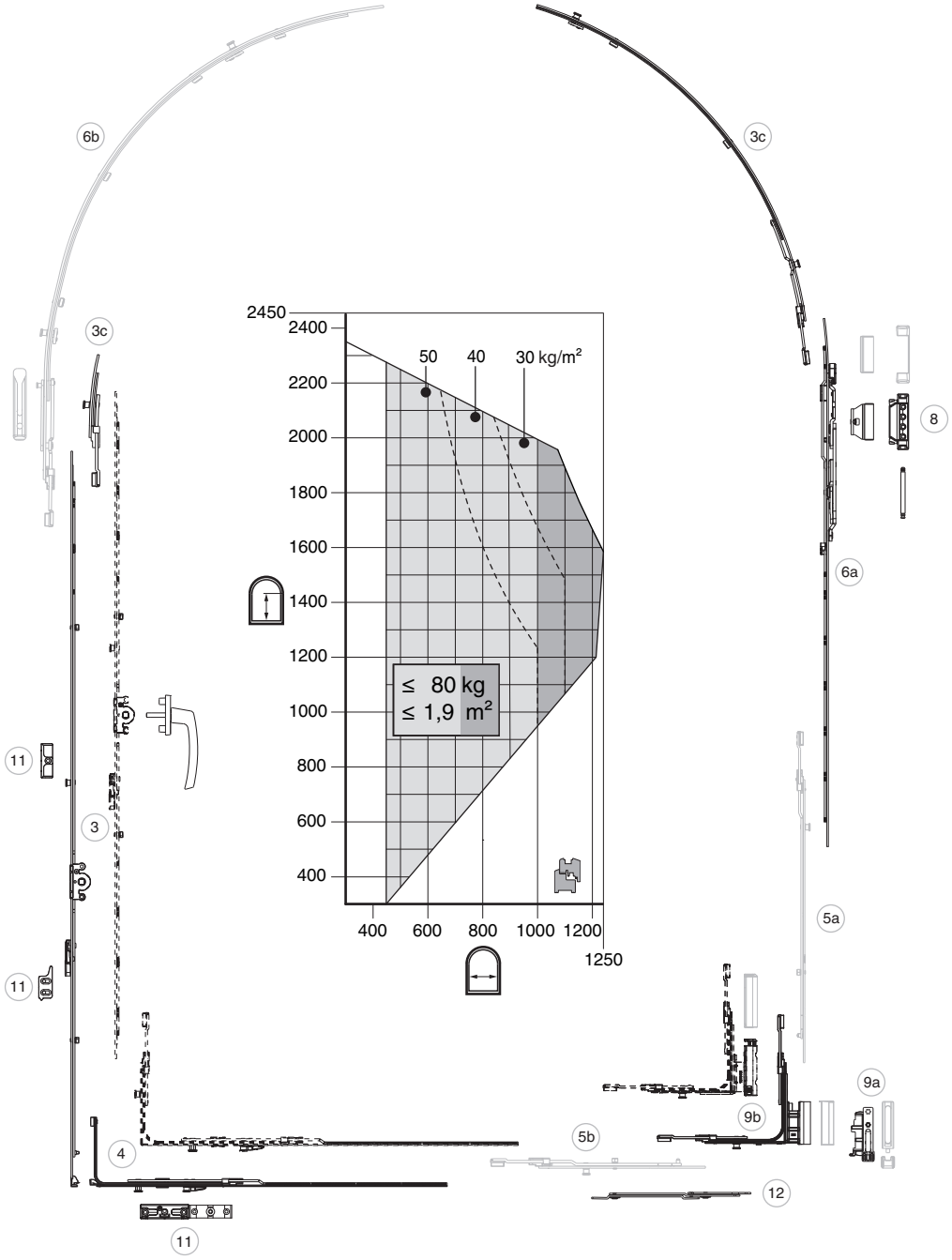
5a = Above SRH 800 mm; Observe details from profile manufacturer!

5b = Required above SRW 670 mm.

13 = Refer to application diagrams for angled windows in chapter 2.5.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.5	Corner elements i.S. for angled windows	→175
4b	4.6	Corner elements i.S. for half round windows	→176
5a	5.1	Centre locks FHH i.S.	→182
5b	5.11	Faceplate extensions fixed and extendable	→185
6	6.1.11	Rebated scissor stays i.S. for angled windows	→193
8	8.5.1	Scissor stay hinges DT130	→222
9a	9.4.1	Pivot posts DT130	→237
9b	9.4.3.7	Rebated corner supports DTuni with rebate-leg screw fixing EH with corner element	→241
11	11	Striker plates	→274
12	12.12	Turn restrictions	→299

2.4.1.1.6 1-sashed half round T&T window with pivot post DT130 and rebated corner support DT130 with corner element



≤ 1250 x 2250 mm

≥ 435 mm

≥ 360 mm (15), ≥ 455 mm (6,5)

≥ 470 mm (15), ≥ 530 mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

3c = Required above SRW 671 mm.

5a = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

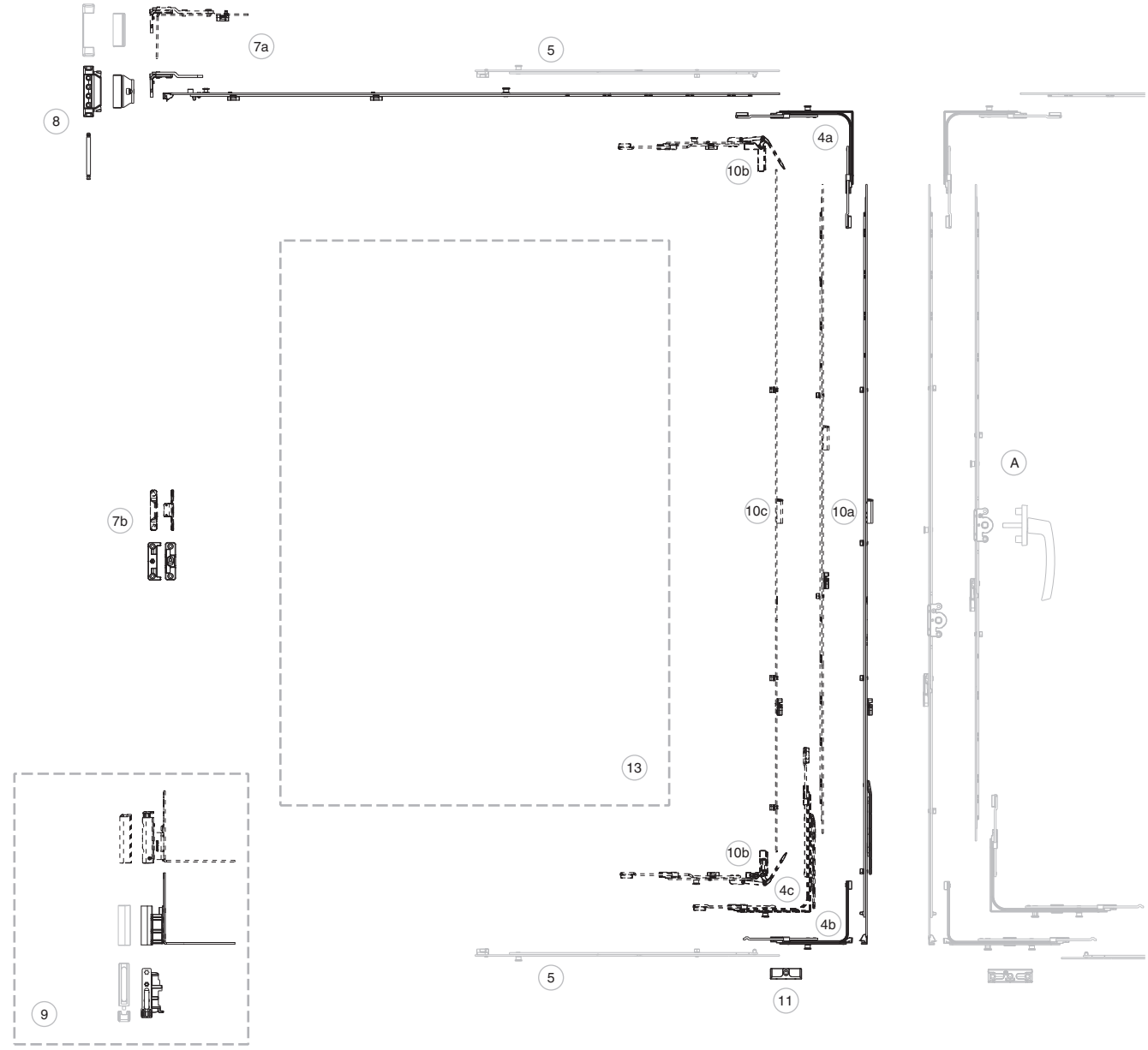
5b = Required above SRW 670 mm.

6b = Stabilizing scissor stay necessary from 1,001 mm (dark shading in application range diagram).

9b = Rebated corner support with corner element with or without rebate-leg screw fixing.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
3c	3.5.3	End piece top for half round windows	→167
4	4.6	Corner elements i.S. for half round windows	→176
5a	5.2	Centre locks extendable i.S.	→182
5b	5.11	Faceplate extensions fixed and extendable	→185
6a	6.1.12	Rebated scissor stays i.S. for half round windows	→194
6b	6.8.4	Stabilizing scissor stays for half round windows	→201
8	8.5.1	Scissor stay hinges DT130	→222
9a	9.4.1	Pivot posts DT130	→237
9b	9.4.3.7	Rebated corner supports DTuni with rebate-leg screw fixing EH with corner element	→241
11	11	Striker plates	→274
12	12.12	Turn restrictions	→299

2.4.1.1.7 2-sashed rectangular T&T window with pivot post DT130 and rebated corner support DT130



≤ 1650 x 2600 mm

≥ 320 mm

≥ 220 mm

≥ 360 mm (15), ≥ 455 mm (6,5)

≥ 470 mm (15), ≥ 530 mm (6,5)

A = For details refer to 1-sashed turn&tilt window.

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

9 = For possible pivot post combinations refer to matrix; the support screw has to be set from 100 kg sash weight!

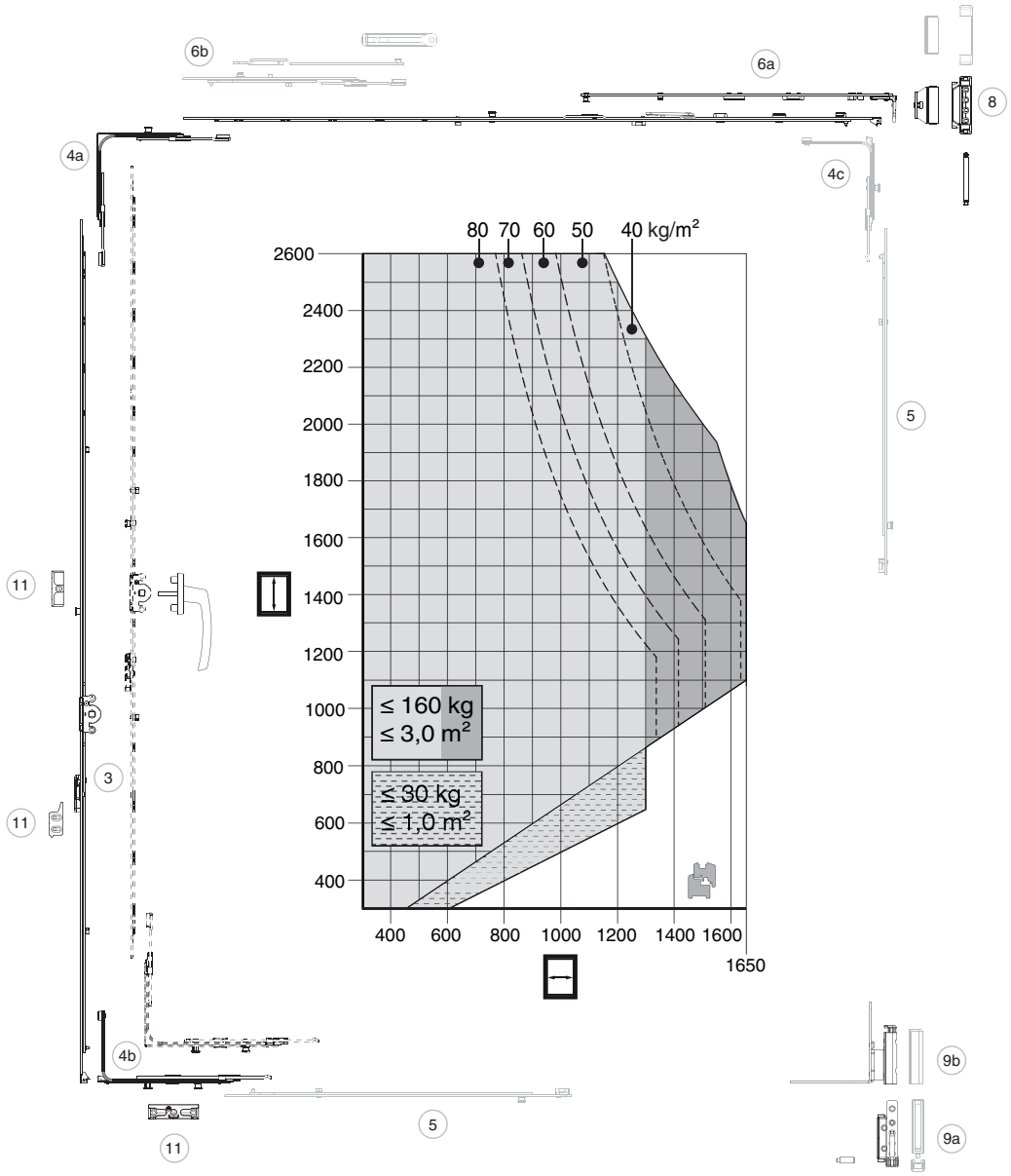
10a = French casement drive gear FHH or VHH.

13 = For application diagram refer to turn&tilt hardware overview according to corresponding pivot post combination.

		Selection guide	Page
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
4c	4.4	Corner elements i.S. for French casement drive gears	→175
5	5.1	Centre locks FHH i.S.	→182
7a	7.1	Turn-only hinges - sash part AS/DTuni/PVC	→204
7b	7.7	Compression devices	→213
8	8.5.1	Scissor stay hinges DT130	→222
9	9.4.1	Pivot posts DT130	→237
10a	10.1.5	Horizontal French casement locks	→259
10b	10.2	French casement drive gears	→261
10c	10.3	Single piece door striker	→268
11	11	Striker plates	→274

2.4.1.2 DT160

2.4.1.2.1 1-sashed rectangular T&T window with pivot post DT160 and rebated corner support DT160 with rebate-leg screw fixing



≤ 1650 x 2600 mm

≥ 320 mm

≥ 220 mm

≥ 360 mm (15)
≥ 455 mm (6,5)

≥ 470 mm (15)
≥ 530mm (6,5)

≥ 270 mm (15)
≥ 365 mm (6,5)

≥ 400 mm (15)
≥ 460mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

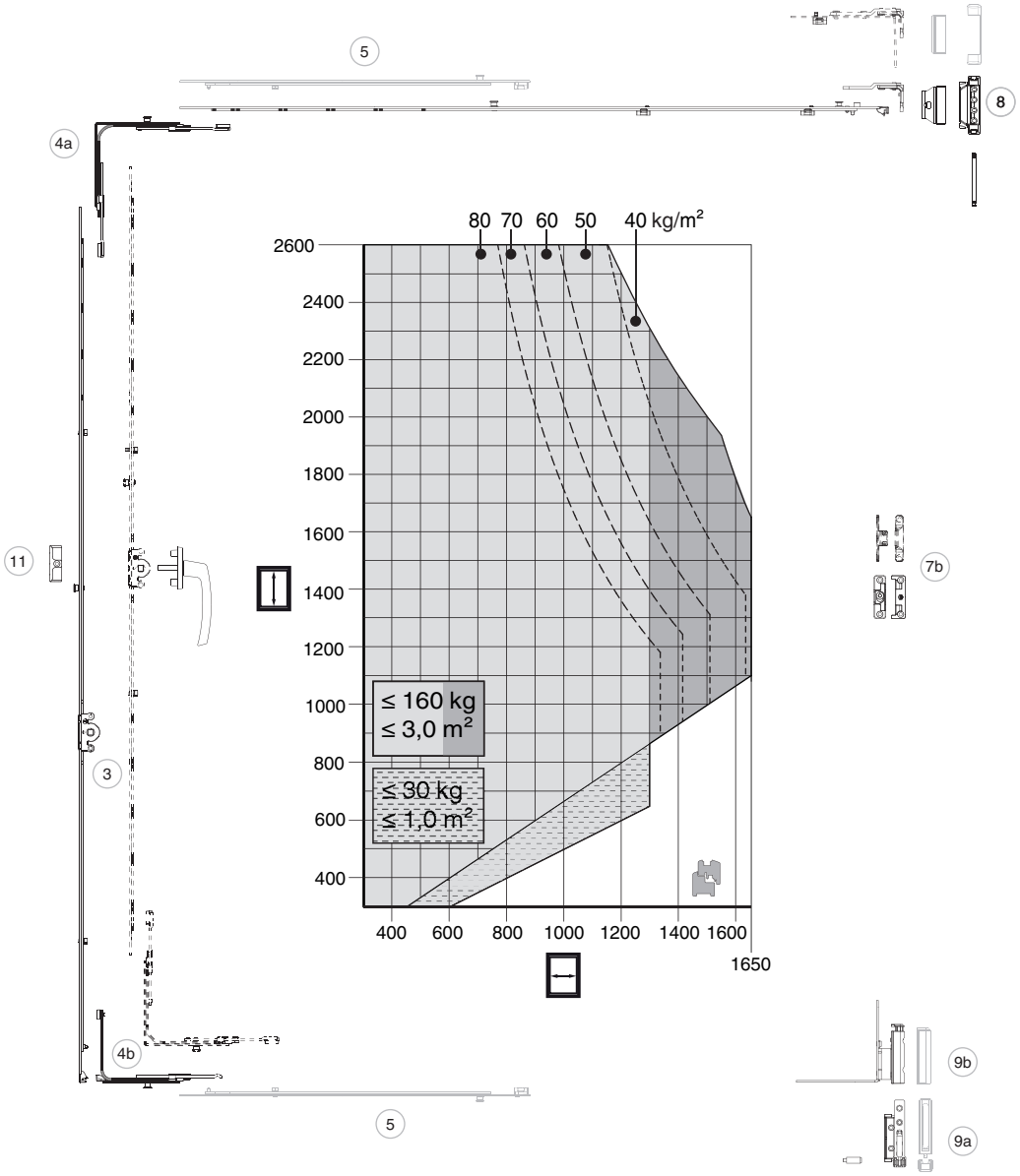
5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

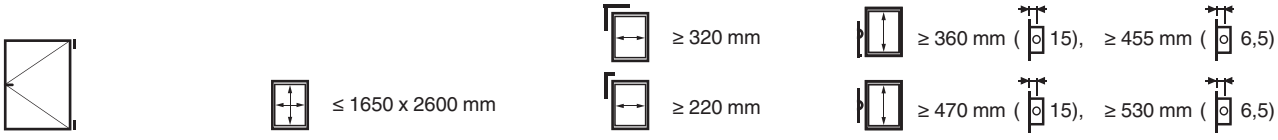
6b = Stabilizing scissor stay necessary from 1,301 mm (dark shading in application range diagram).

9 = The support dowel or support screw has to be set from 100 kg sash weight!

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.1.4	Scissor stay faceplates i.S.	→191
6b	6.8.1	Stabilizing scissor stays	→201
8	8.5.2	Scissor stay hinges DT160	→222
9a	9.4.2	Pivot posts DT160	→237
9b	9.4.3.2	Rebated corner supports DT160 with rebate-leg screw fixing	→239
11	11	Striker plates	→274

2.4.1.2.2 1-sashed rectangular turn-only window with pivot post DT160 and fixed or croppable turn-only hinge





3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

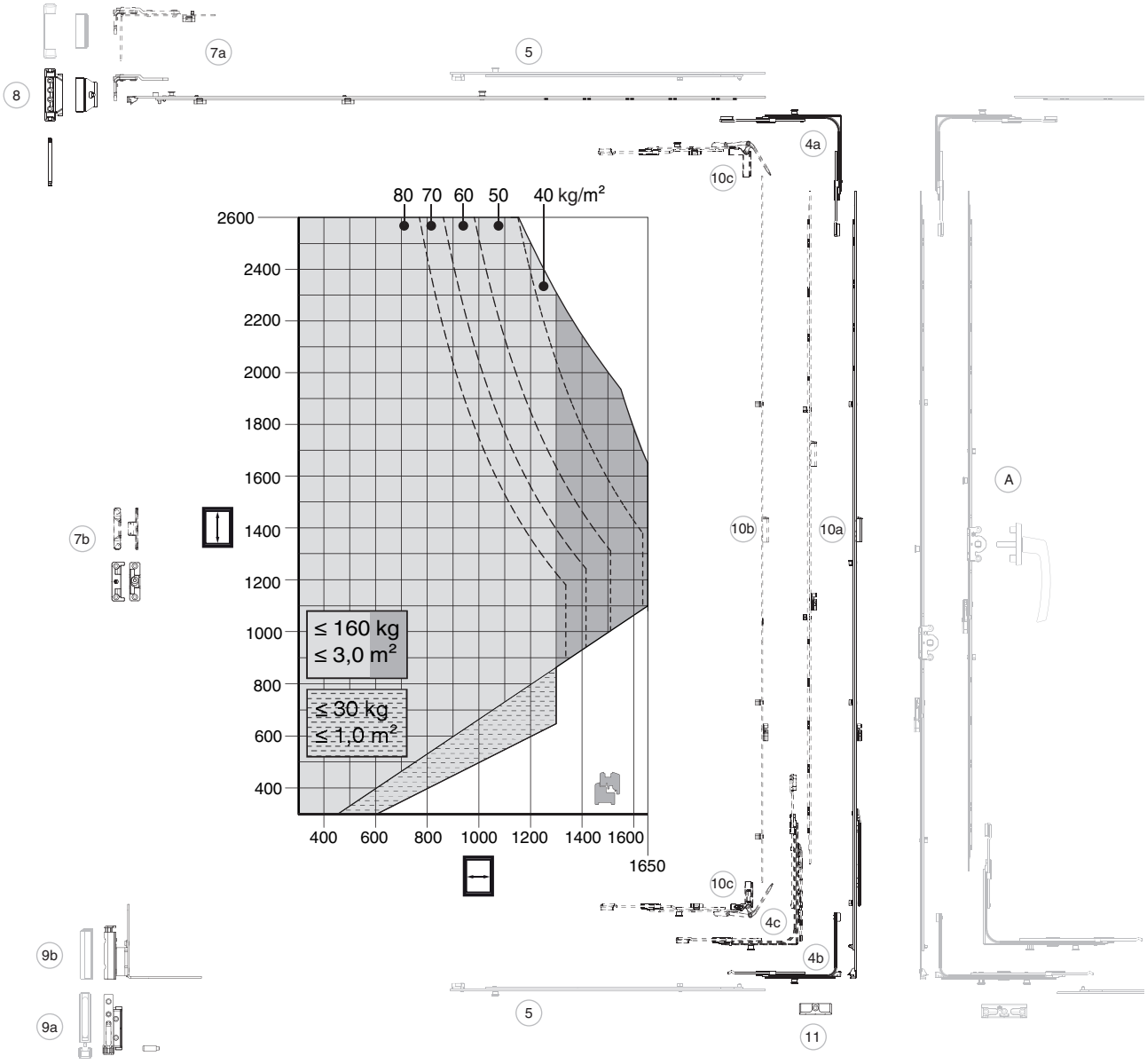
7a = Turn-only hinge - sash part fixed or croppable.

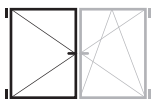
7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

9 = For possible pivot post combinations refer to matrix; the support dowel or support screw has to be set from 100 kg sash weight!

		Selection guide	Page
3a	3.2.1.1	Turn-only drive gears BS 15 FHH i.S.	→155
3b	3.2.1.6	Turn-only drive gears BS 15 VHH i.S.	→156
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
7a	7.1	Turn-only hinges - sash part AS/DTuni/PVC	→204
7b	7.7	Compression devices	→213
8	8.5.2	Scissor stay hinges DT160	→222
9a	9.4.2	Pivot posts DT160	→237
9b	9.4.3.2	Rebated corner supports DT160 with rebate-leg screw fixing	→239
11	11	Striker plates	→274

2.4.1.2.3 2-sashed rectangular T&T window with pivot post DT160 and rebated corner support DT160







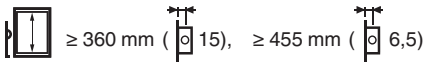
≤ 1650 x 2600 mm



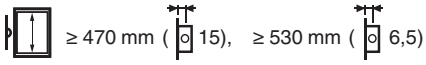
≥ 320 mm



≥ 220 mm



≥ 360 mm (15), ≥ 455 mm (6,5)



≥ 470 mm (15), ≥ 530 mm (6,5)

A = For details refer to 1-sashed turn&tilt window.

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

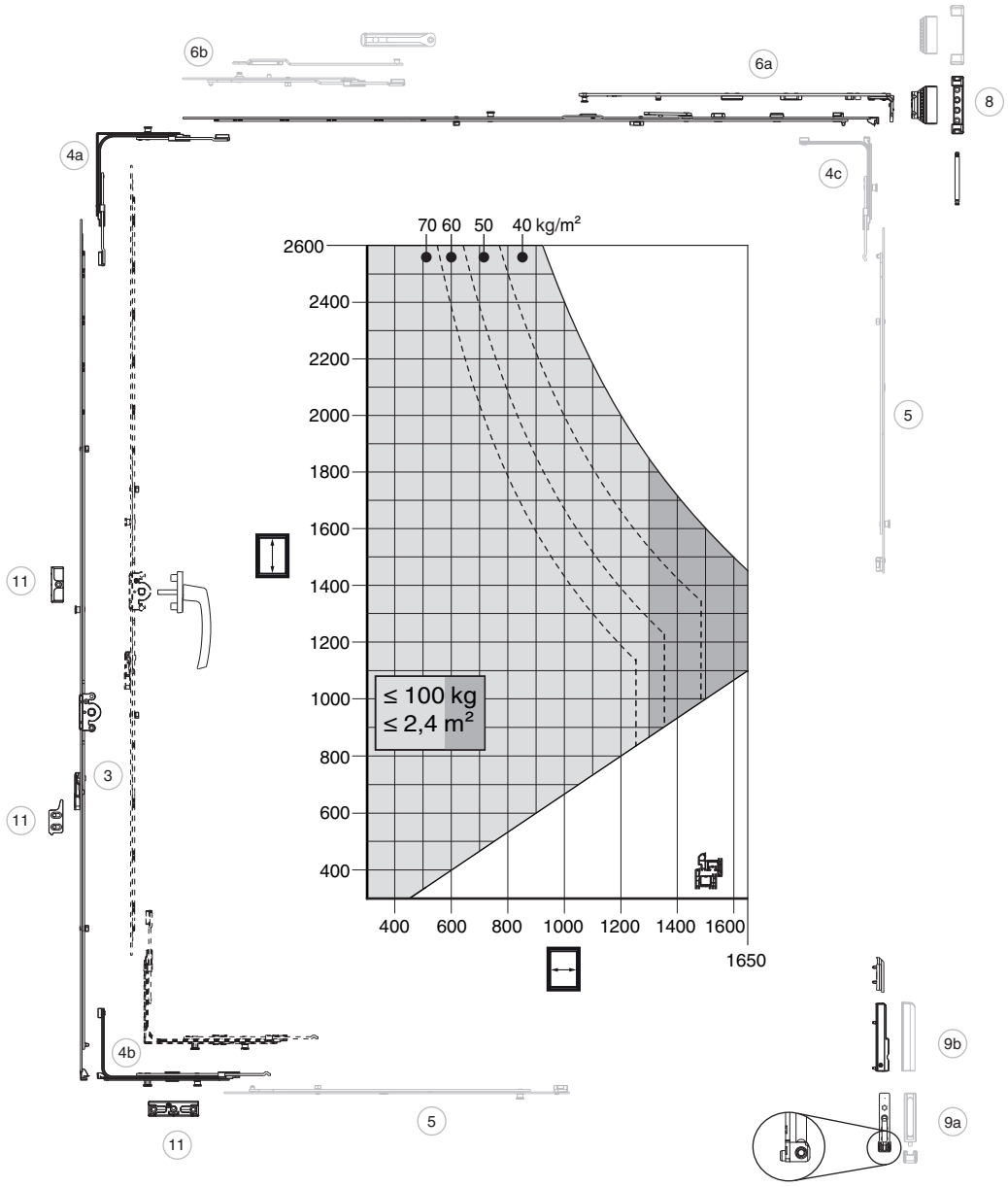
9 = For possible pivot post combinations refer to matrix; the support dowel or support screw has to be set from 100 kg sash weight!

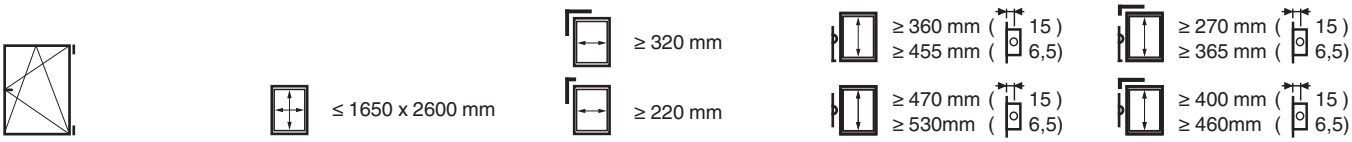
10a = French casement drive gear FHH or VHH.

		Selection guide	Page
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
4c	4.4	Corner elements i.S. for French casement drive gears	→175
5	5.1	Centre locks FHH i.S.	→182
7a	7.1	Turn-only hinges - sash part AS/DTuni/PVC	→204
7b	7.7	Compression devices	→213
8	8.5.2	Scissor stay hinges DT160	→222
9a	9.4.2	Pivot posts DT160	→237
9b	9.4.3.2	Rebated corner supports DT160 with rebate-leg screw fixing	→239
10a	10.1.5	Horizontal French casement locks	→259
10b	10.2	French casement drive gears	→261
10c	10.3	Single piece door striker	→268
11	11	Striker plates	→274

2.4.2 PVC (drive gear FHH/VHH)

2.4.2.1 1-sashed rectangular T&T window with pivot post PVC with positioning pin or short support pin + corner support PVC with positioning pin





3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

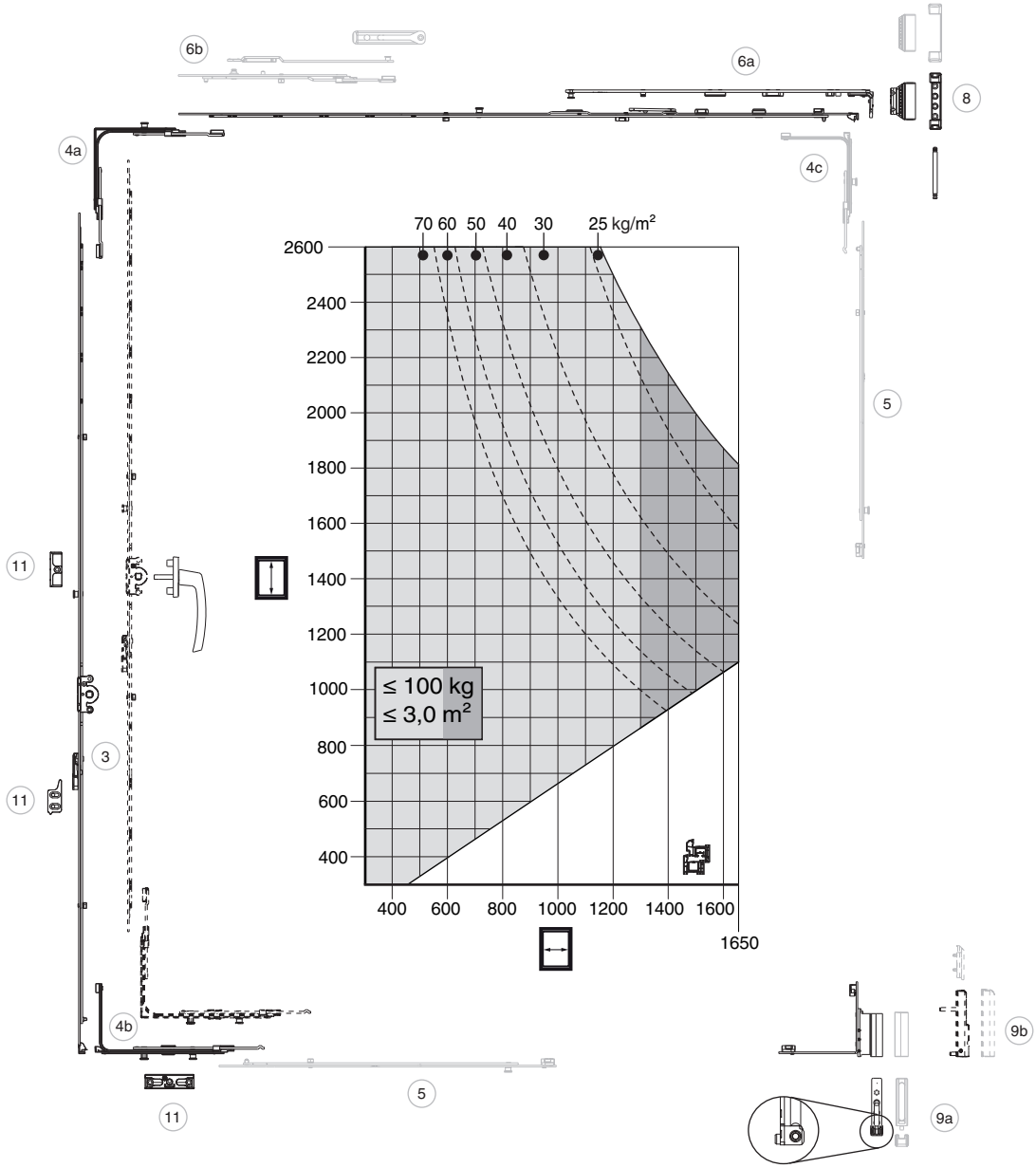
5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

6b = Stabilizing scissor stay necessary from 1,301 mm (dark shading in application range diagram).

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.1.4	Scissor stay faceplates i.S.	→191
6b	6.8.1	Stabilizing scissor stays	→201
8	8.1	Scissor stay hinges PVC	→220
9a	9.2.1	Pivot posts PVC	→230
9b	9.2.2	Corner supports PVC	→230

2.4.2.2 1-sashed rectangular T&T window with pivot post PVC with positioning pin or short support pin + corner support PVC with support pin or rebated corner support AS/PVC without rebate-leg screw fixing



≤ 1650 x 2600 mm

≥ 320 mm

≥ 220 mm

≥ 360 mm (15)
≥ 455 mm (6,5)

≥ 270 mm (15)
≥ 365 mm (6,5)

≥ 470 mm (15)
≥ 530mm (6,5)

≥ 400 mm (15)
≥ 460mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

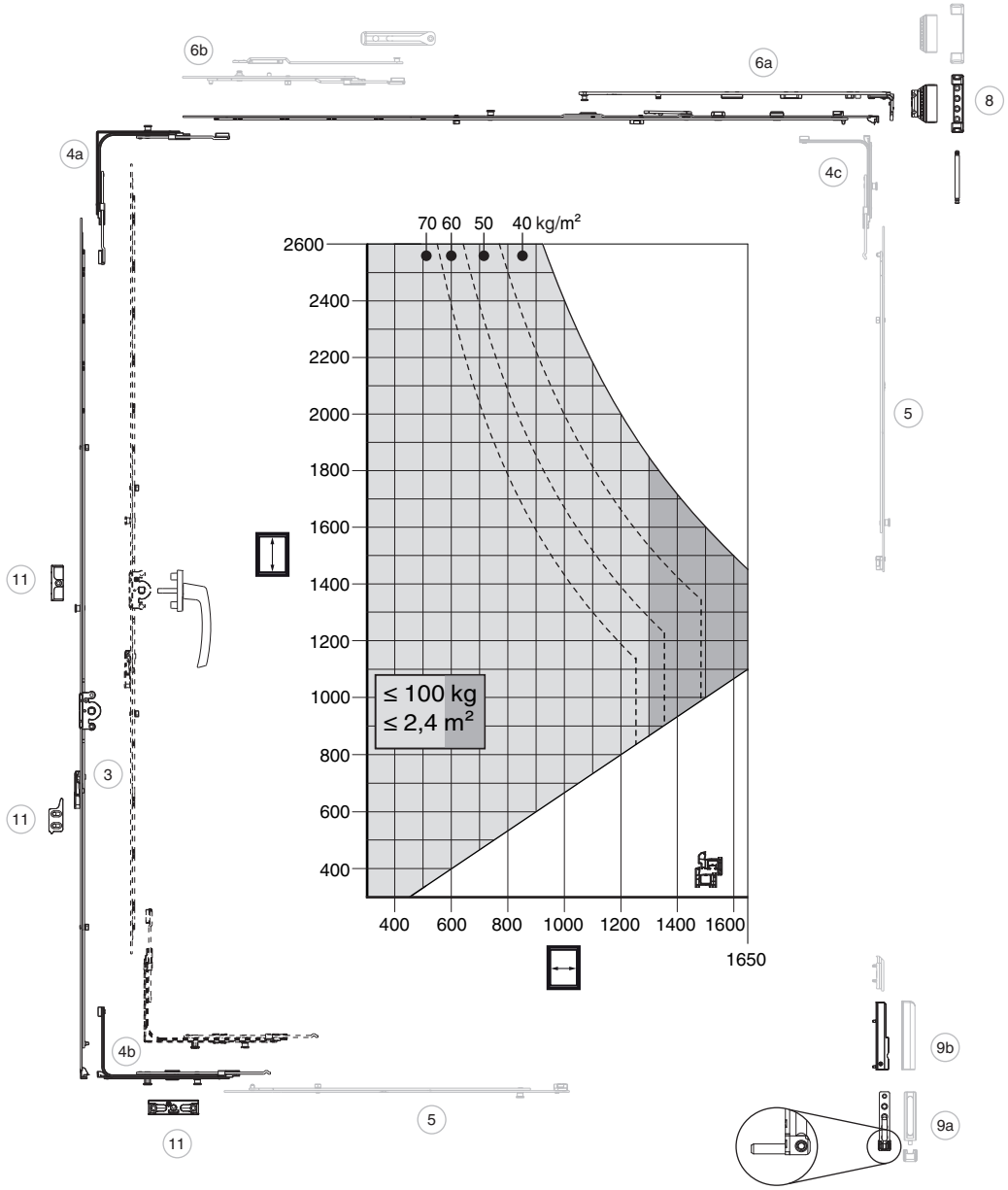
5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

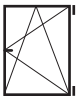
6b = Stabilizing scissor stay necessary from 1,301 mm (dark shading in application range diagram).

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.1.4	Scissor stay faceplates i.S.	→191
6b	6.8.1	Stabilizing scissor stays	→201
8	8.1	Scissor stay hinges PVC	→220
9a	9.2.1	Pivot posts PVC	→230
9b	9.2.2	Corner supports PVC	→230

2.4.2.3 1-sashed rectangular T&T window with pivot post PVC with long support pin + corner support PVC with positioning pin






≤ 1650 x 2600 mm


≥ 320 mm


≥ 220 mm


≥ 360 mm (15)
≥ 455 mm (6,5)


≥ 270 mm (15)
≥ 365 mm (6,5)


≥ 470 mm (15)
≥ 530mm (6,5)


≥ 400 mm (15)
≥ 460mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Mandatory installation of third multi-sash centre frame hinge above SRH 800 mm (PVC) or 1,000 mm (timber)!

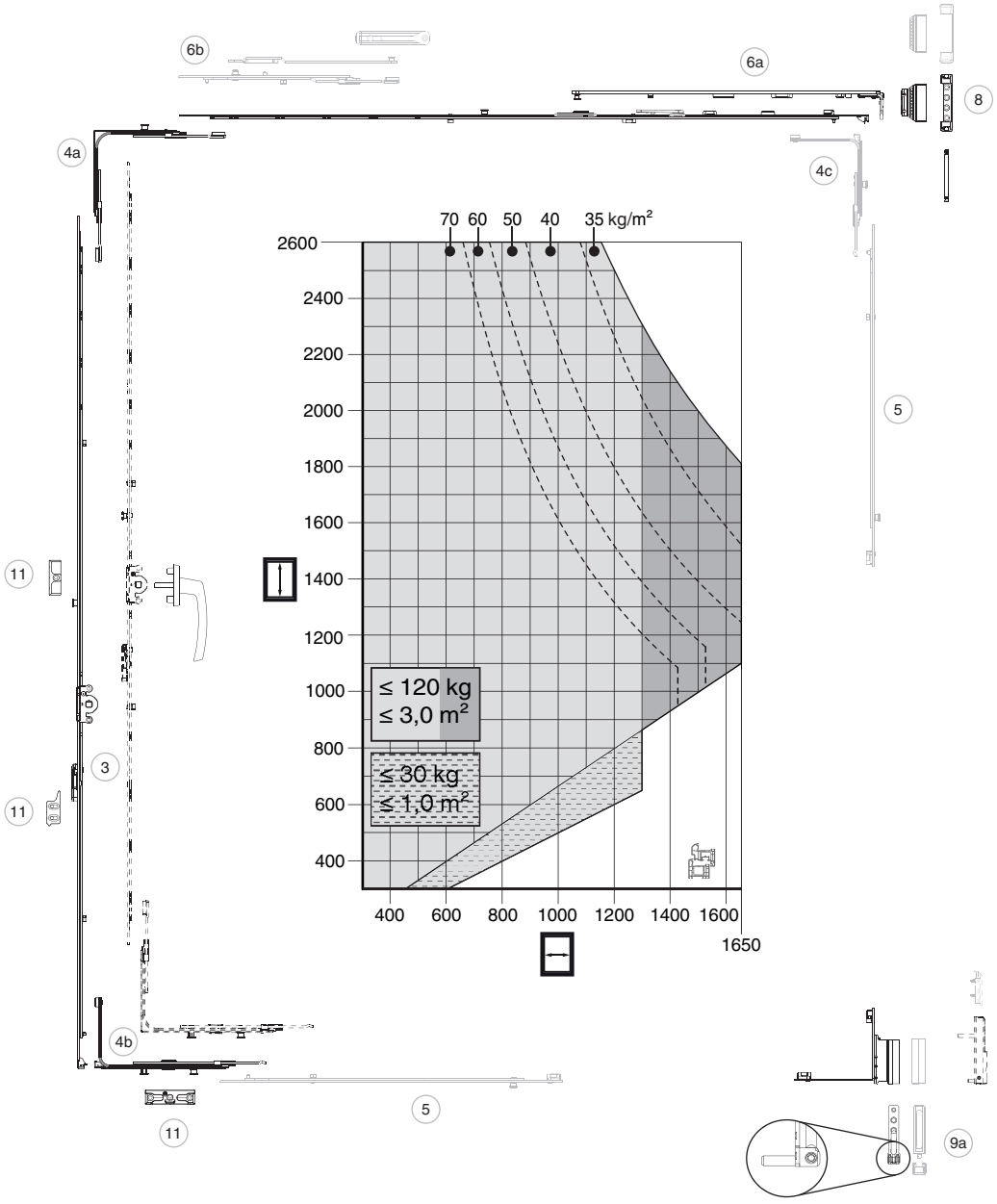
6b = Stabilizing scissor stay necessary from 1,301 mm (dark shading in application range diagram).

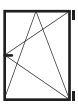
9 = Support pin must reach through at least two profile walls!

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.1.4	Scissor stay faceplates i.S.	→191
6b	6.8.1	Stabilizing scissor stays	→201
8	8.1	Scissor stay hinges PVC	→220
9a	9.2.1	Pivot posts PVC	→230
9b	9.2.2	Corner supports PVC	→230

2.4.2.4 1-sashed rectangular T&T window with pivot post PVC with long support pin + corner support PVC with support pin or rebated corner support AS/PVC without rebate-leg screw fixing






≤ 1650 x 2600 mm


≥ 320 mm


≥ 220 mm


≥ 360 mm (15)
≥ 455 mm (6,5)


≥ 270 mm (15)
≥ 365 mm (6,5)


≥ 470 mm (15)
≥ 530mm (6,5)


≥ 400 mm (15)
≥ 460mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

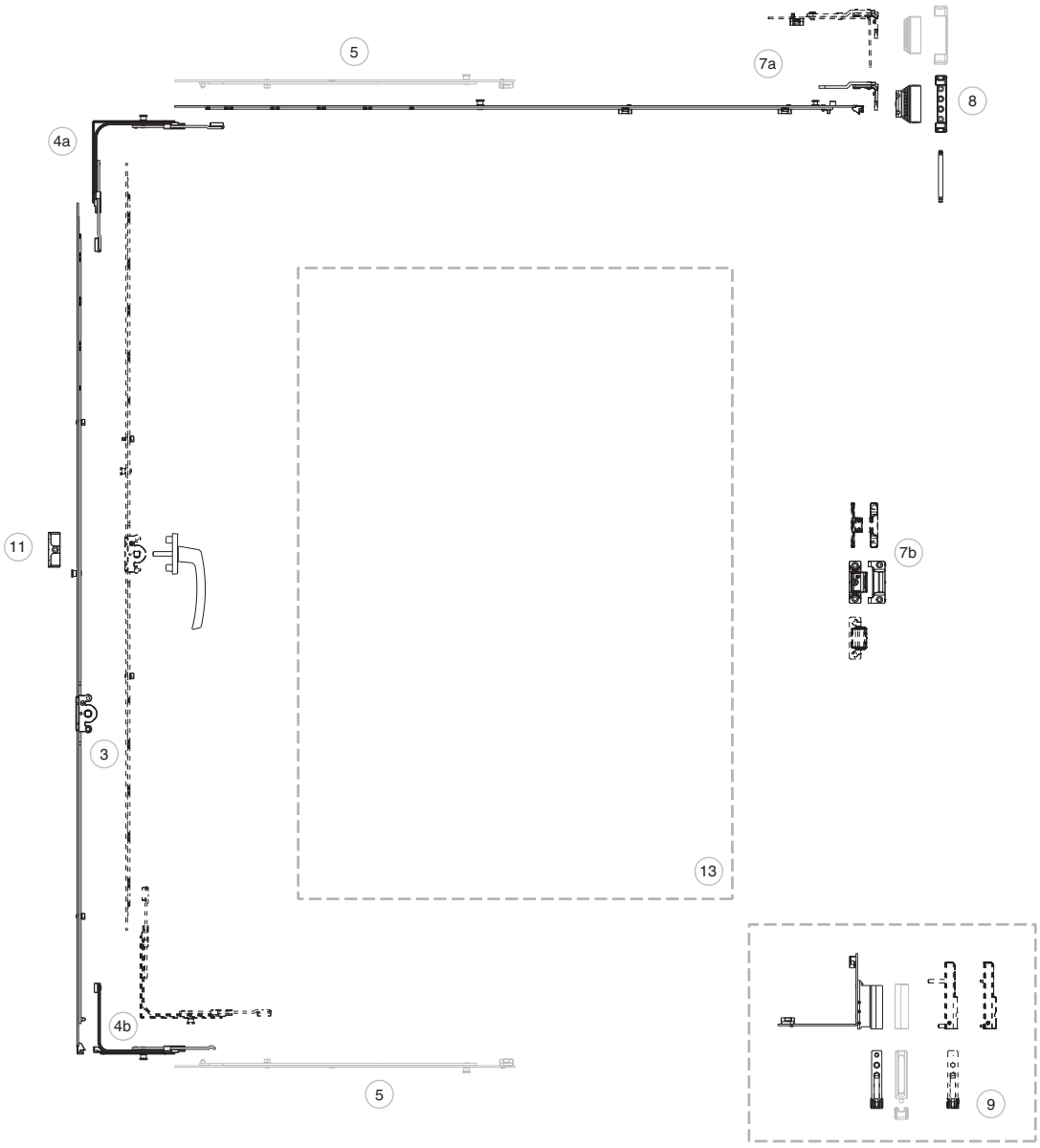
6b = Stabilizing scissor stay necessary from 1,301 mm (dark shading in application range diagram).

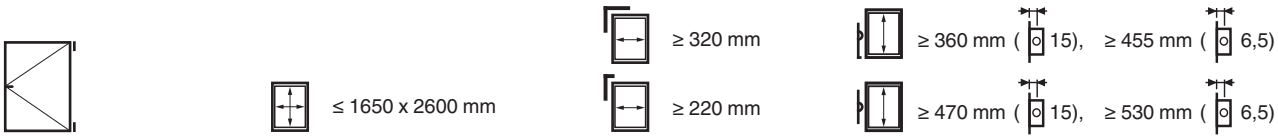
9 = Support pin must reach through at least two profile walls! Observe restrictions for 26 mm rebate depth!

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.1.4	Scissor stay faceplates i.S.	→191
6b	6.8.1	Stabilizing scissor stays	→201
8	8.1	Scissor stay hinges PVC	→220
9a	9.2.1	Pivot posts PVC	→230
9b	9.2.2	Corner supports PVC	→230

2.4.2.5 1-sashed rectangular turn-only window with pivot post PVC





3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7a = Turn-only hinge - sash part fixed or croppable.

7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

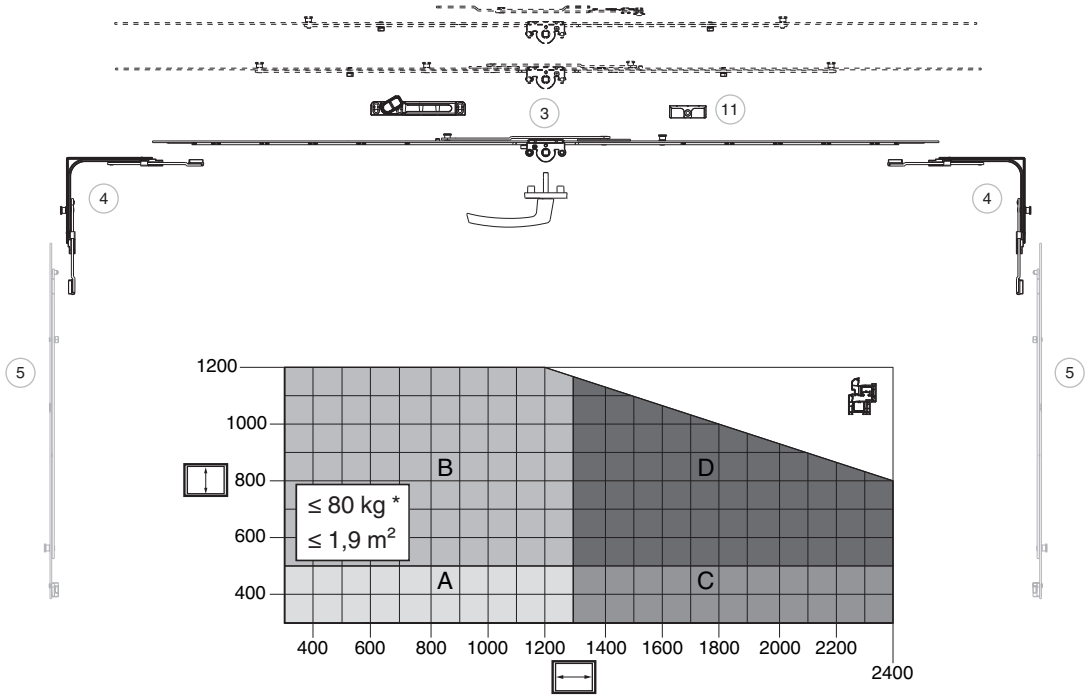
9 = For possible pivot post combinations refer to matrix.

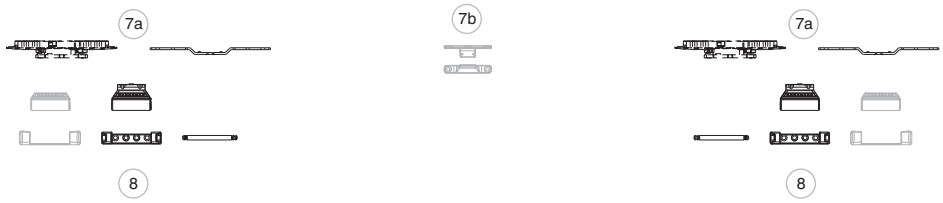
11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

13 = For application diagram refer to turn&tilt hardware overview according to corresponding pivot post combination.

		Selection guide	Page
3a	3.2.1.1	Turn-only drive gears BS 15 FHH i.S.	→155
3b	3.2.1.6	Turn-only drive gears BS 15 VHH i.S.	→156
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
7a	7.1	Turn-only hinges - sash part AS/DTuni/PVC	→204
7b	7.7	Compression devices	→213
8	8.1	Scissor stay hinges PVC	→220
9	9.2	Pivot posts PVC	→230

2.4.2.6 1-sashed rectangular tilt-only window with scissor stay hinge PVC and tilt-only hinge AS/PVC







A = 1 tilt stay + restrictor and cleaning stay size 1.

B = 1 tilt stay + restrictor and cleaning stay size 2.

C = 2 tilt stays + restrictor and cleaning stay size 1.

D = 2 tilt stays + restrictor and cleaning stay size 2.

* = Mandatory installation of restrictor and cleaning stay (guideline FPKF at www.schlossindustrie.de)! Observe application diagrams and max. load capacity for restrictor and cleaning stays!

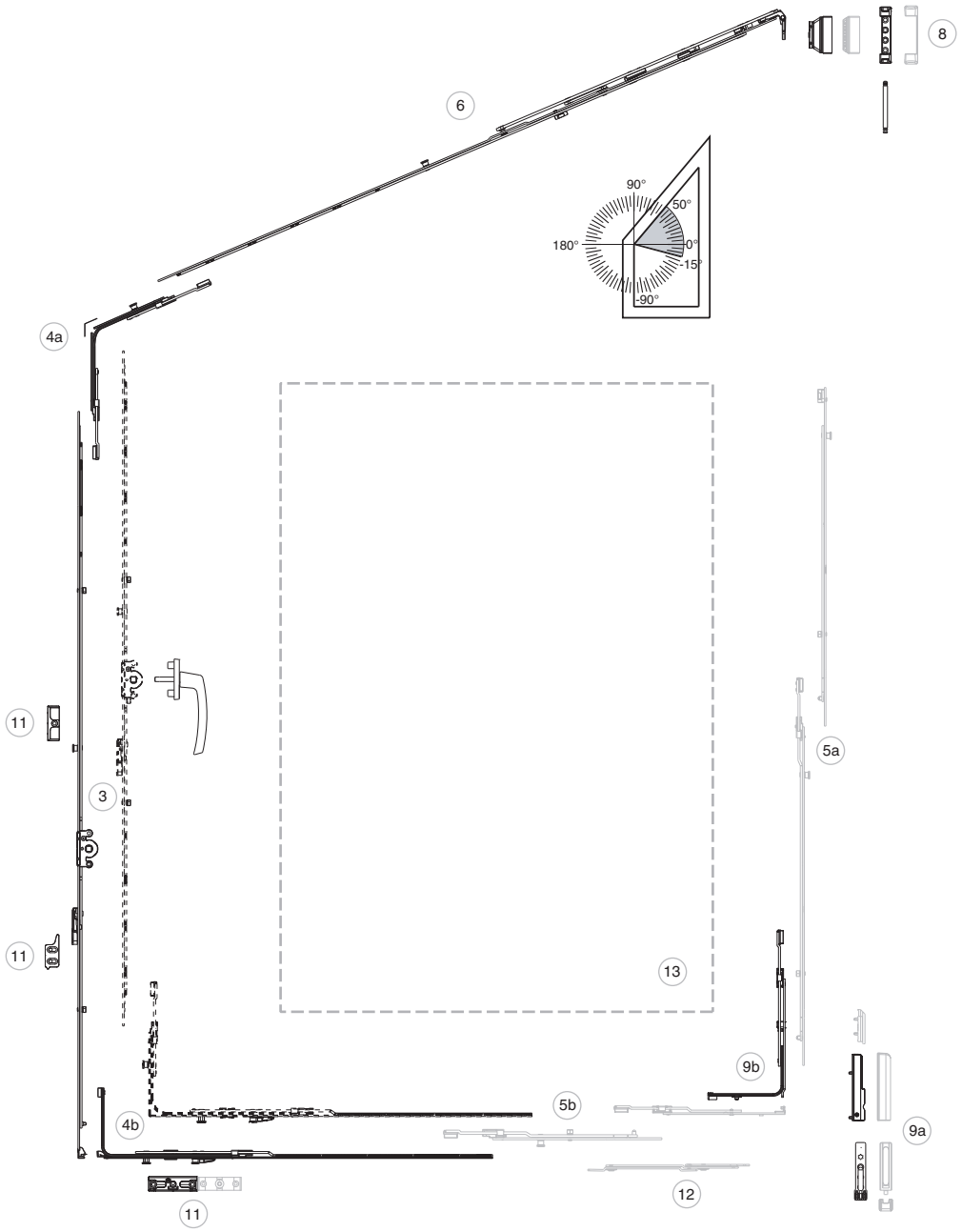
5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

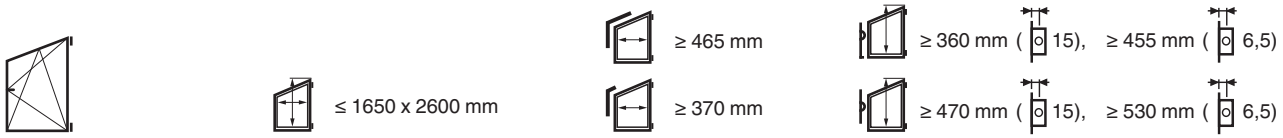
7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3	3.4	Espagnolettes	→162
4	4.1.1	Corner elements standard i.S.	→172
5	5.1	Centre locks FHH i.S.	→182
7a	7.2	Turn and tilt hinges - sash part AS/DTuni/PVC	→206
7b	7.7.1	Surface-mounted compression devices	→213
8	8.1	Scissor stay hinges PVC	→220

2.4.2.7 1-sashed angled T&T window with pivot post PVC with positioning pin and corner support PVC with positioning pin





3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5a = Above SRH 800 mm; Observe details from profile manufacturer!

5b = Required above SRW 670 mm.

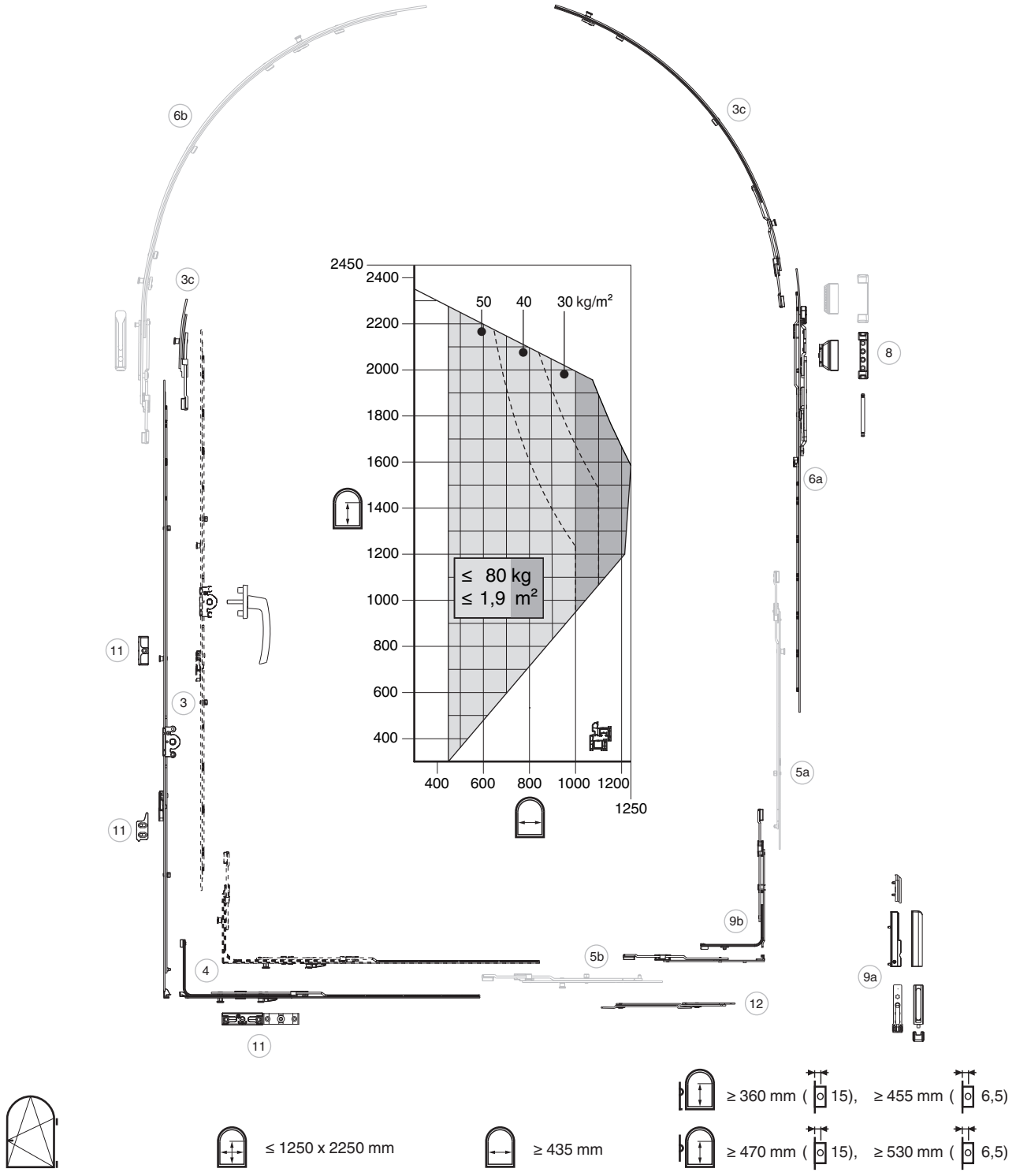
9b = Rebated corner support with corner element with or without rebate-leg screw fixing.

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

13 = Refer to application diagrams for angled windows in chapter 2.5.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.5	Corner elements i.S. for angled windows	→175
4b	4.6	Corner elements i.S. for half round windows	→176
5a	5.1	Centre locks FHH i.S.	→182
5b	5.11	Faceplate extensions fixed and extendable	→185
6	6.1.11	Rebated scissor stays i.S. for angled windows	→193
8	8.1	Scissor stay hinges PVC	→220
9a	9.2.1	Pivot posts PVC	→230
9b	9.2.5	Corner element two-part	→232
12	12.12	Turn restrictions	→299

2.4.2.8 1-sashed half round T&T window with pivot post PVC with positioning pin and corner support PVC with positioning pin



3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

3c = Required above SRW 671 mm.

5a = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

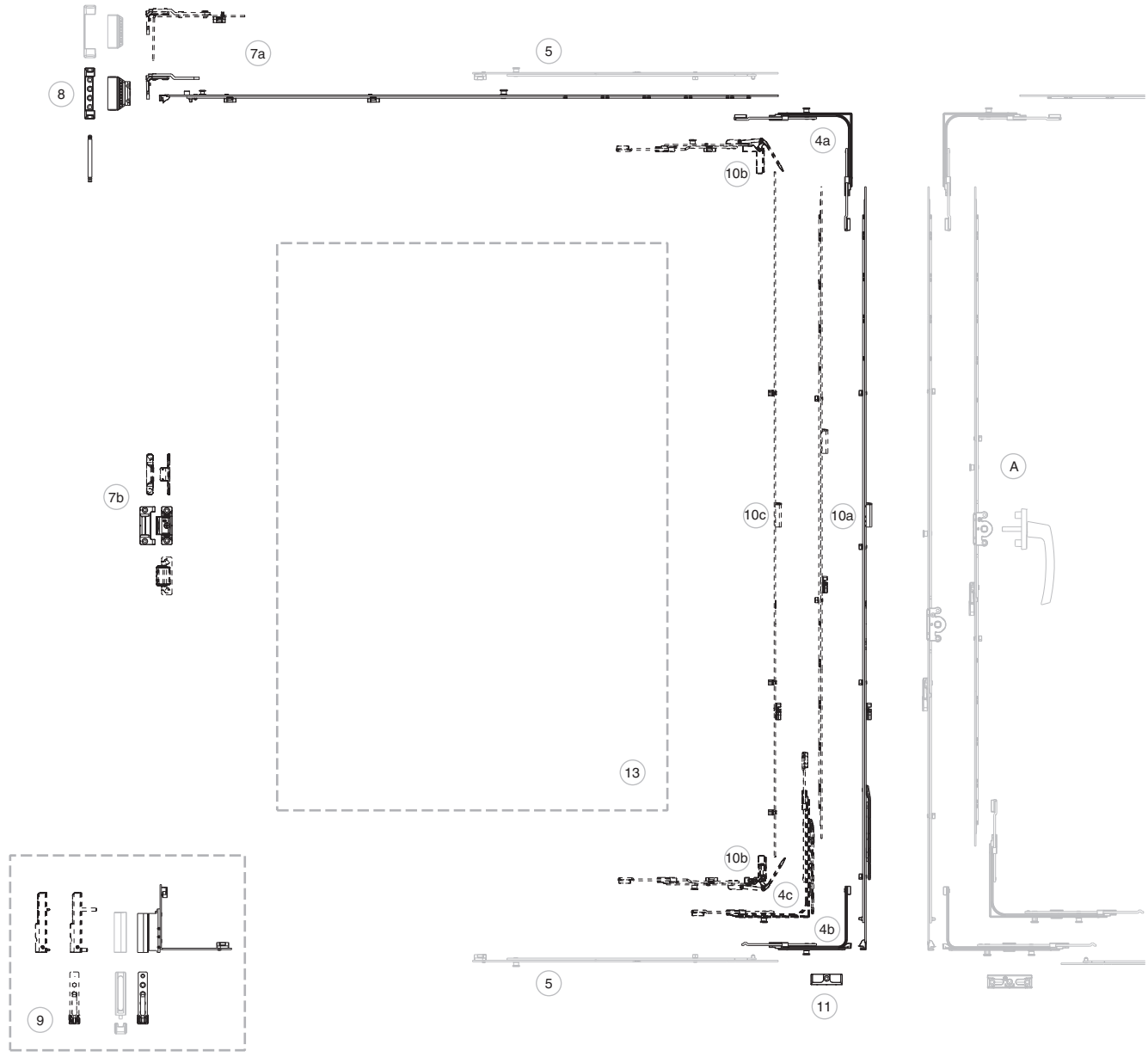
5b = Required above SRW 670 mm.

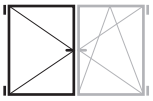
6b = Stabilizing scissor stay necessary from 1,001 mm (dark shading in application range diagram).

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
3c	3.5.3	End piece top for half round windows	→167
4	4.6	Corner elements i.S. for half round windows	→176
5a	5.2	Centre locks extendable i.S.	→182
5b	5.11	Faceplate extensions fixed and extendable	→185
6a	6.1.12	Rebated scissor stays i.S. for half round windows	→194
6b	6.8.4	Stabilizing scissor stays for half round windows	→201
8	8.1	Scissor stay hinges PVC	→220
9a	9.2.1	Pivot posts PVC	→230
9b	9.2.5	Corner element two-part	→232
12	12.12	Turn restrictions	→299

2.4.2.9 2-sashed rectangular T&T window with pivot post PVC and corner support PVC or rebated corner support PVC







≤ 1650 x 2600 mm



≥ 320 mm



≥ 220 mm



≥ 360 mm (15), ≥ 455 mm (6,5)



≥ 470 mm (15), ≥ 530 mm (6,5)

A = For details refer to 1-sashed turn&tilt window.

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

9 = For possible pivot post combinations refer to matrix.

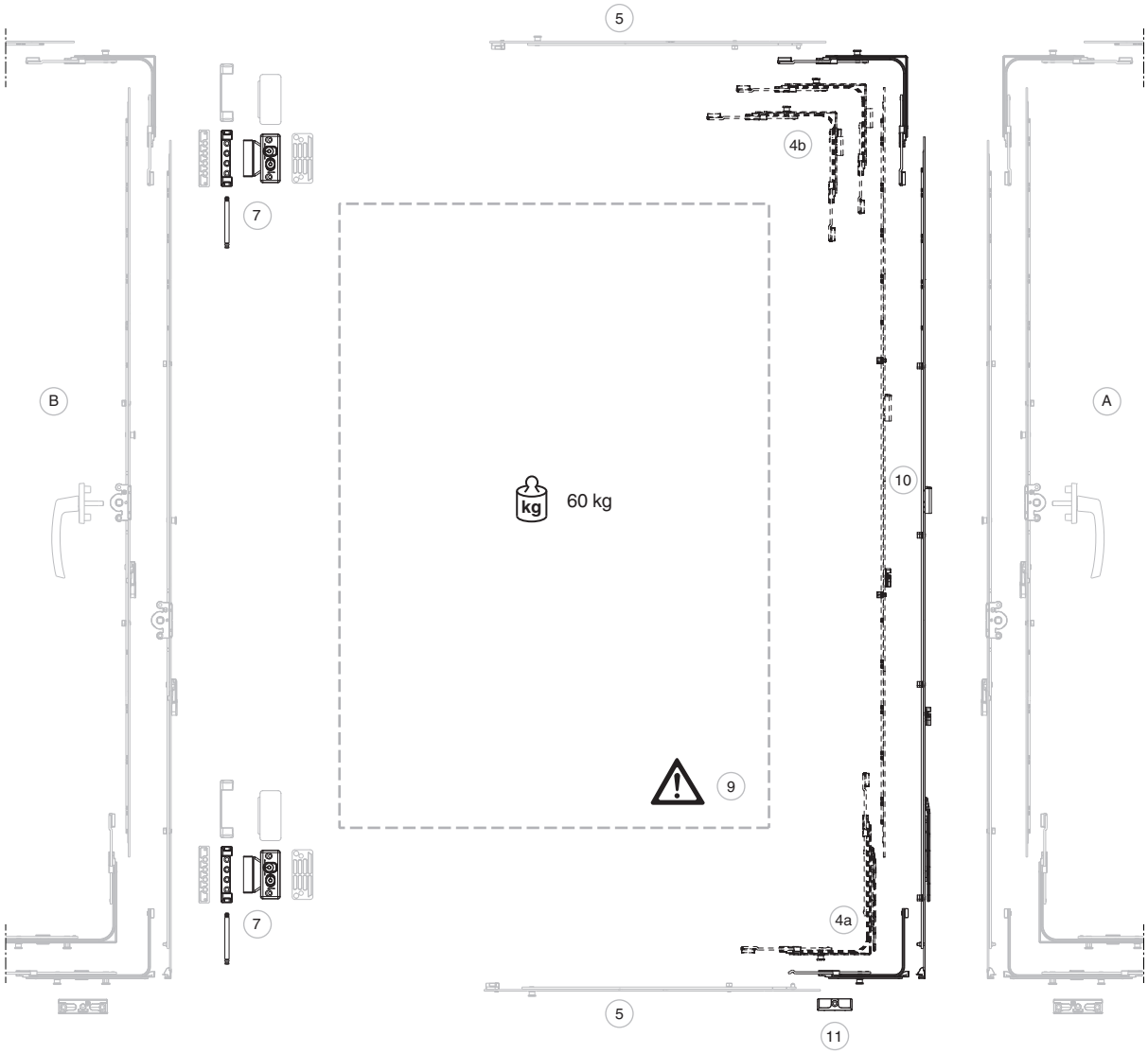
10a = French casement drive gear FHH or VHH.

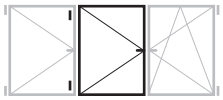
11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

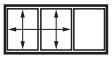
13 = For application diagram refer to turn&tilt hardware overview according to corresponding pivot post combination.

		Selection guide	Page
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
4c	4.4	Corner elements i.S. for French casement drive gears	→175
5	5.1	Centre locks FHH i.S.	→182
7a	7.1	Turn-only hinges - sash part AS/DTuni/PVC	→204
7b	7.7	Compression devices	→213
8	8.1	Scissor stay hinges PVC	→220
9	9.2	Pivot posts PVC	→230
10a	10.1.5	Horizontal French casement locks	→259
10b	10.2	French casement drive gears	→261
10c	10.3	Single piece door striker	→268

2.4.2.10 3-sashed rectangular turn-only window with multi-sash centre frame hinge







≤ 1650 x 2600 mm *



≥ 465 mm

A = For details refer to 1-sashed turn&tilt window.

B = For details refer to 1-sashed turn-only window.

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7 = Mandatory installation of third multi-sash centre frame hinge above SRH 800 mm (PVC) or 1,000 mm (timber)!

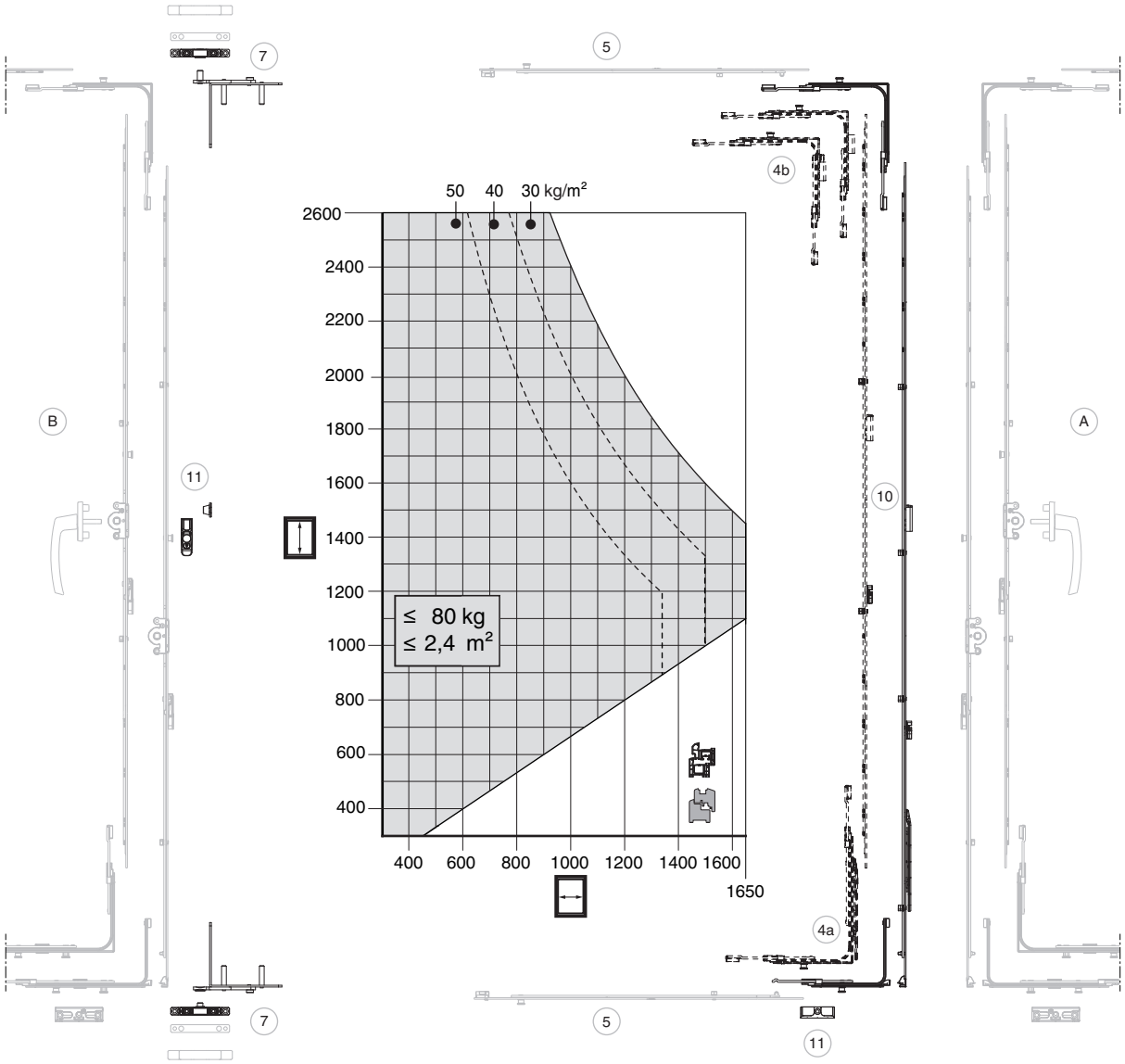
9 = Maximum sash weight of the middle sash is 60 kg! The total weight of the two combined sashes must not exceed the maximum weight of the used hinge side!

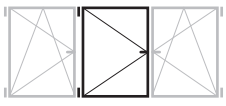
10 = French casement drive gear FHH or VHH.

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
4a	4.1.3	Corner elements vertical i.S.	→173
4b	4.4	Corner elements i.S. for French casement drive gears	→175
5	5.1	Centre locks FHH i.S.	→182
7	7.6	Multi-sash centre frame hinges	→211
10	10.2	French casement drive gears	→261

2.4.2.11 3-sashed rectangular turn-only window with 3-sashed turn-only hinge (frame part)





≤ 1650 x 2600 mm

≥ 465 mm

A = For details refer to 1-sashed turn-only or turn&tilt window.

B = For details refer to 1-sashed turn-only or turn&tilt window.

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

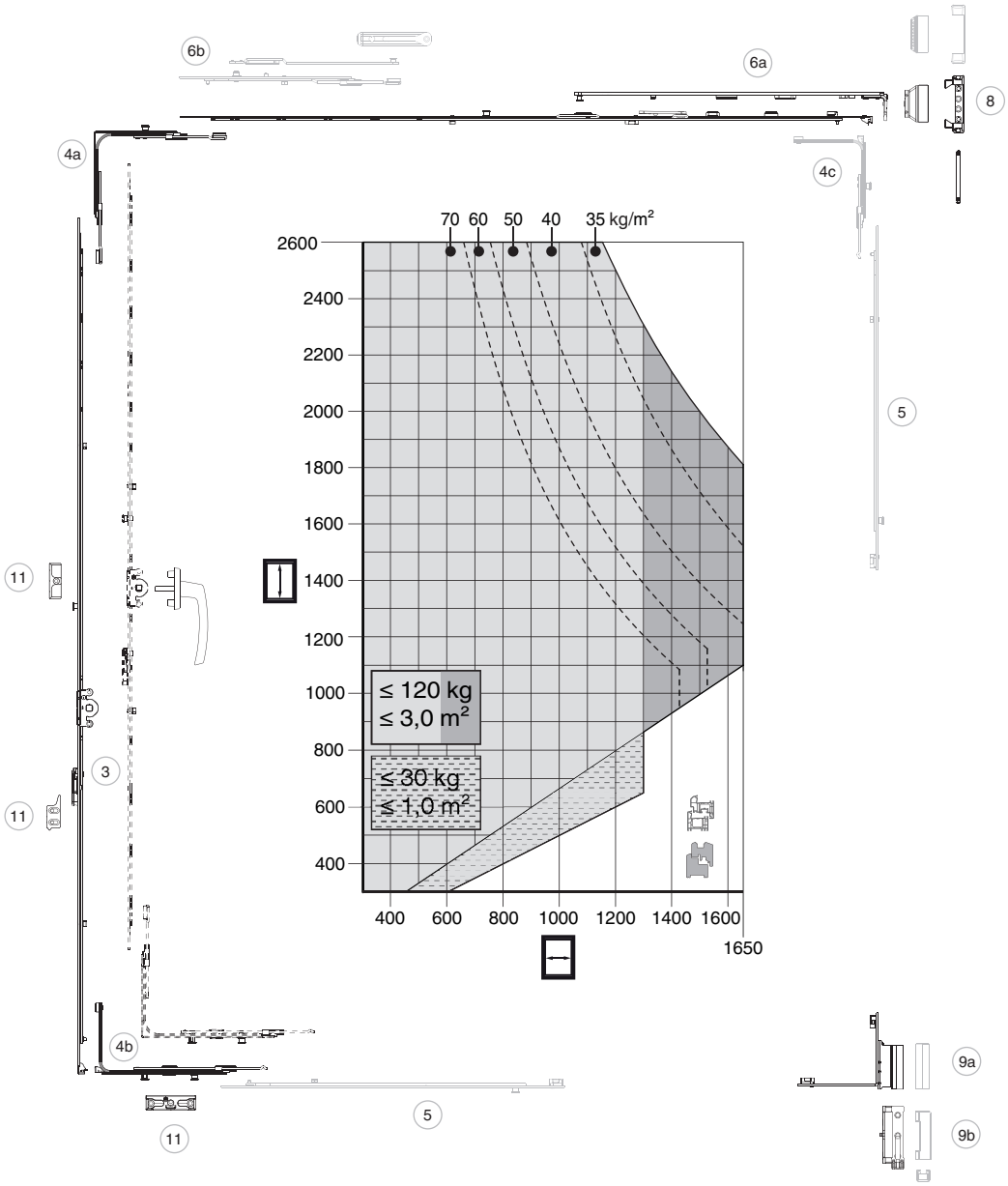
10 = French casement drive gear FHH or VHH.

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
4a	4.1.3	Corner elements vertical i.S.	→173
4b	4.4	Corner elements i.S. for French casement drive gears	→175
5	5.1	Centre locks FHH i.S.	→182
7	7.5	Turn-only hinges - frame part for 3-sashed windows	→210
10	10.2	French casement drive gears	→261
11	11	Striker plates	→274

2.4.3 AS (drive gear FHH/VHH)

2.4.3.1 1-sashed rectangular T&T window with pivot post AS (for rebated corner support AS/PVC) + rebated corner support AS/PVC without rebate-leg screw fixing



≤ 1650 x 2600 mm

≥ 320 mm

≥ 220 mm

≥ 360 mm (15)
≥ 455 mm (6,5)

≥ 270 mm (15)
≥ 365 mm (6,5)

≥ 470 mm (15)
≥ 530mm (6,5)

≥ 400 mm (15)
≥ 460mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

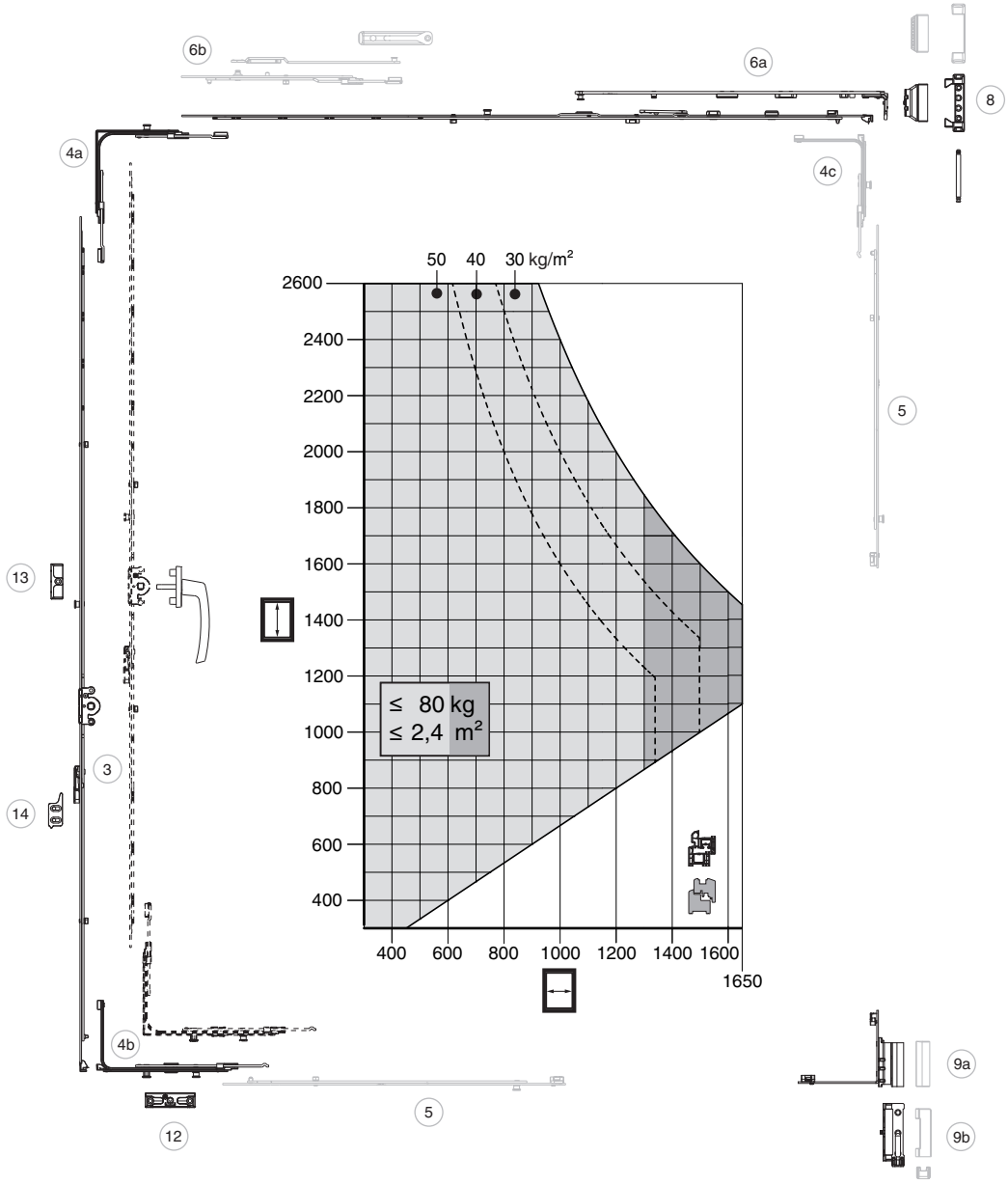
5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

6b = Stabilizing scissor stay necessary from 1,301 mm (dark shading in application range diagram).

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.1.4	Scissor stay faceplates i.S.	→191
6b	6.8.1	Stabilizing scissor stays	→201
8	8.2	Surface-mounted scissor stay hinges	→220
9a	9.2.3	Rebated corner supports AS/PVC without rebate-leg screw fixing	→231
9b	9.3.1.1	Surface-mounted pivot posts for rebated corner supports AS/PVC without rebate-leg screw fixing	→234
11	11	Striker plates	→274

2.4.3.2 1-sashed rectangular T&T window with pivot post AS (for rebated corner support AS/PVC) + rebated corner support AS/PVC without rebate-leg screw fixing / 26 mm offset



≤ 1650 x 2600 mm

≥ 320 mm

≥ 220 mm

≥ 360 mm (15)
≥ 455 mm (6,5)

≥ 270 mm (15)
≥ 365 mm (6,5)

≥ 470 mm (15)
≥ 530mm (6,5)

≥ 400 mm (15)
≥ 460mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

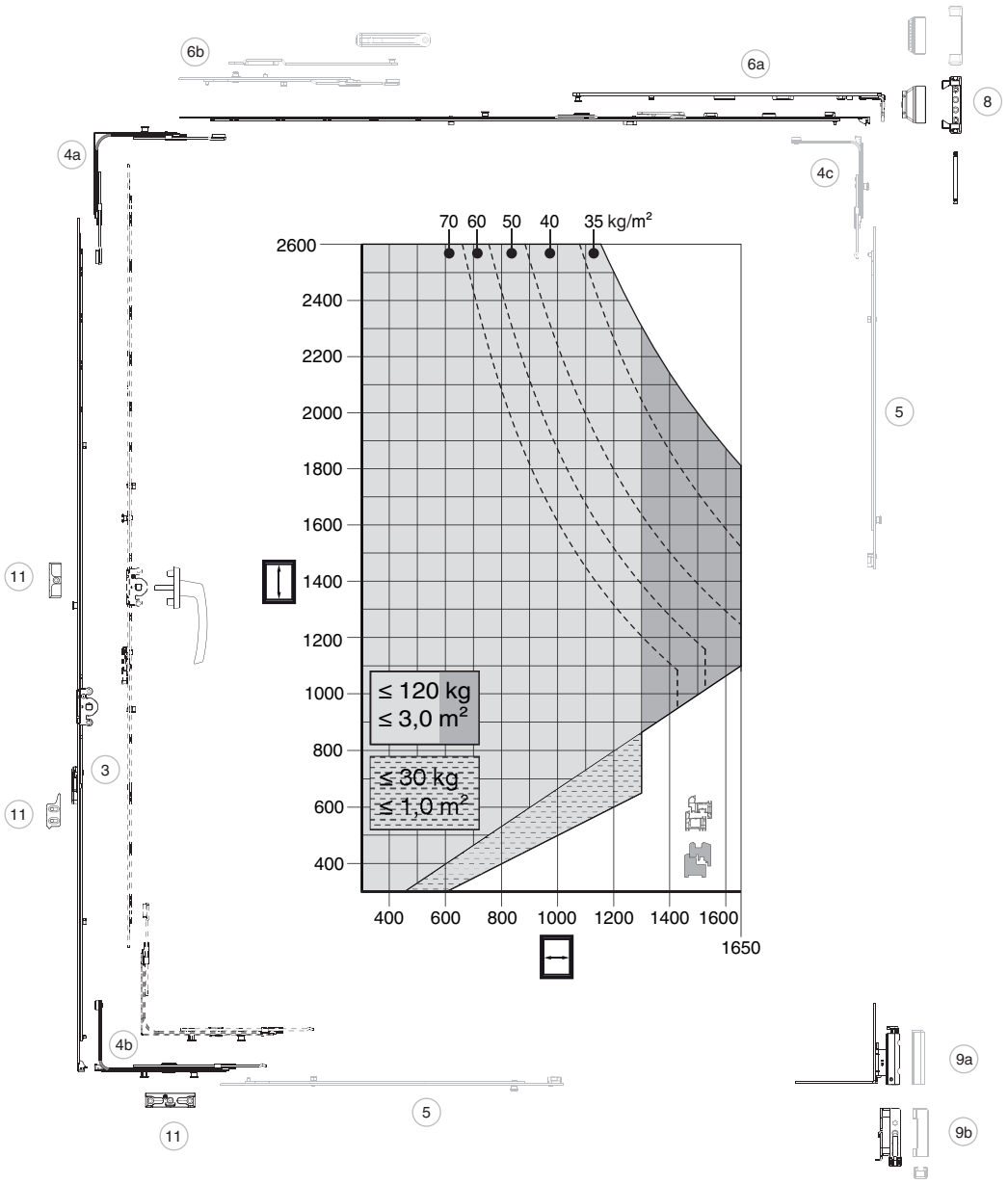
6b = Stabilizing scissor stay necessary from 1,301 mm (dark shading in application range diagram).

9b = Observe restrictions for 26 mm rebate depth!

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.1.4	Scissor stay faceplates i.S.	→191
6b	6.8.1	Stabilizing scissor stays	→201
8	8.2	Surface-mounted scissor stay hinges	→220
9a	9.2.3	Rebated corner supports AS/PVC without rebate-leg screw fixing	→231
9b	9.3.1.1	Surface-mounted pivot posts for rebated corner supports AS/PVC without rebate-leg screw fixing	→234
11	11	Striker plates	→274

2.4.3.3 1-sashed rectangular T&T window with pivot post AS and rebated corner support AS with rebate-leg screw fixing



≤ 1650 x 2600 mm

≥ 320 mm

≥ 220 mm

≥ 360 mm (15)
≥ 455 mm (6,5)

≥ 270 mm (15)
≥ 365 mm (6,5)

≥ 470 mm (15)
≥ 530mm (6,5)

≥ 400 mm (15)
≥ 460mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

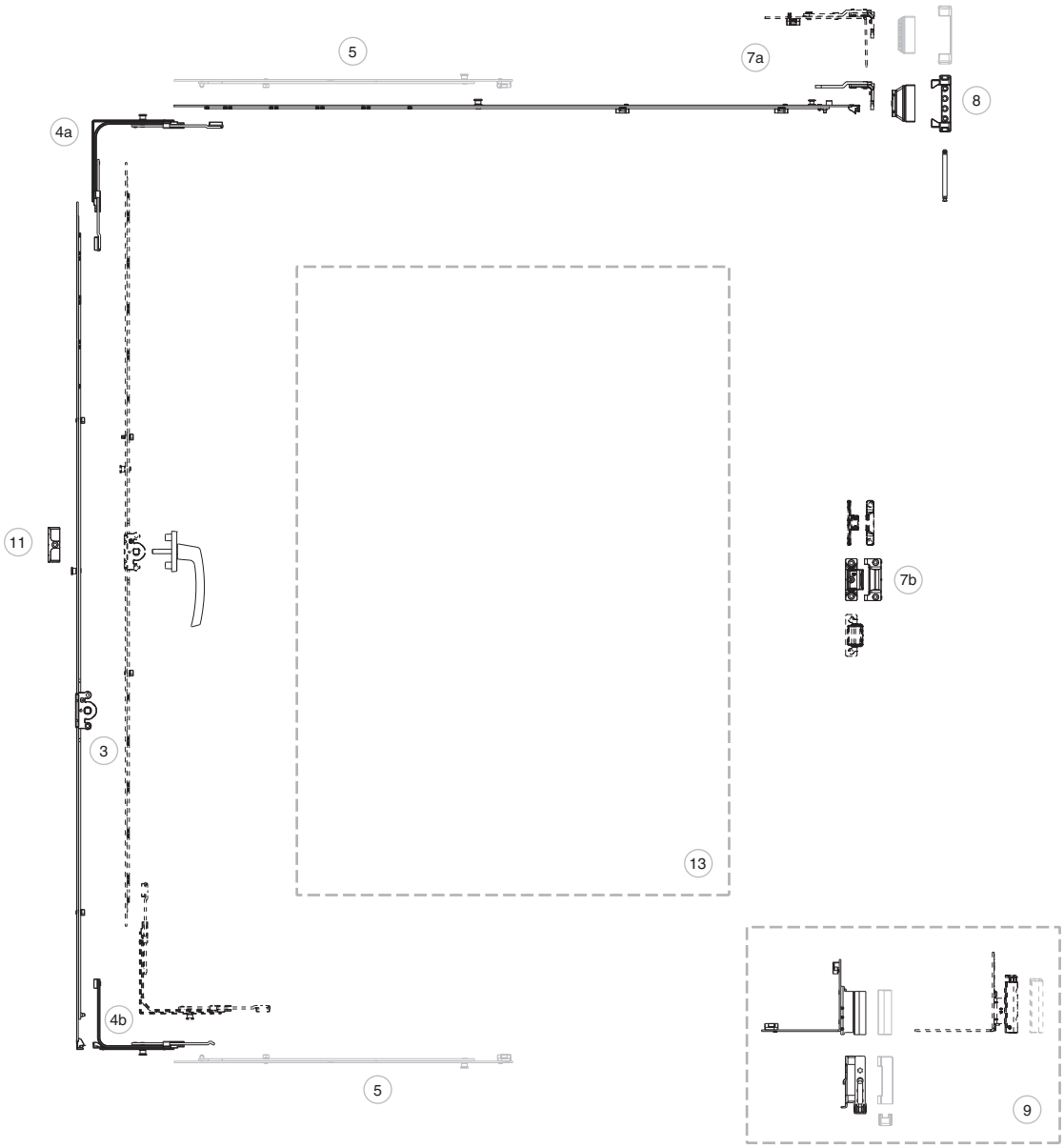
5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

6b = Stabilizing scissor stay necessary from 1,301 mm (dark shading in application range diagram).

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.1.4	Scissor stay faceplates i.S.	→191
6b	6.8.1	Stabilizing scissor stays	→201
8	8.2	Surface-mounted scissor stay hinges	→220
9a	9.3.2.1	Surface-mounted pivot posts for surface-mounted rebated corner supports with rebate-leg screw fixing	→235
9b	9.3.2.2	Surface-mounted rebated corner supports with rebate-leg screw fixing	→236
11	11	Striker plates	→274

2.4.3.4 1-sashed rectangular turn-only window with pivot post AS and fixed or croppable turn-only hinge



≤ 1650 x 2600 mm

≥ 320 mm

≥ 220 mm

≥ 360 mm (15), ≥ 455 mm (6,5)

≥ 470 mm (15), ≥ 530 mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7a = Turn-only hinge - sash part fixed or croppable.

7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

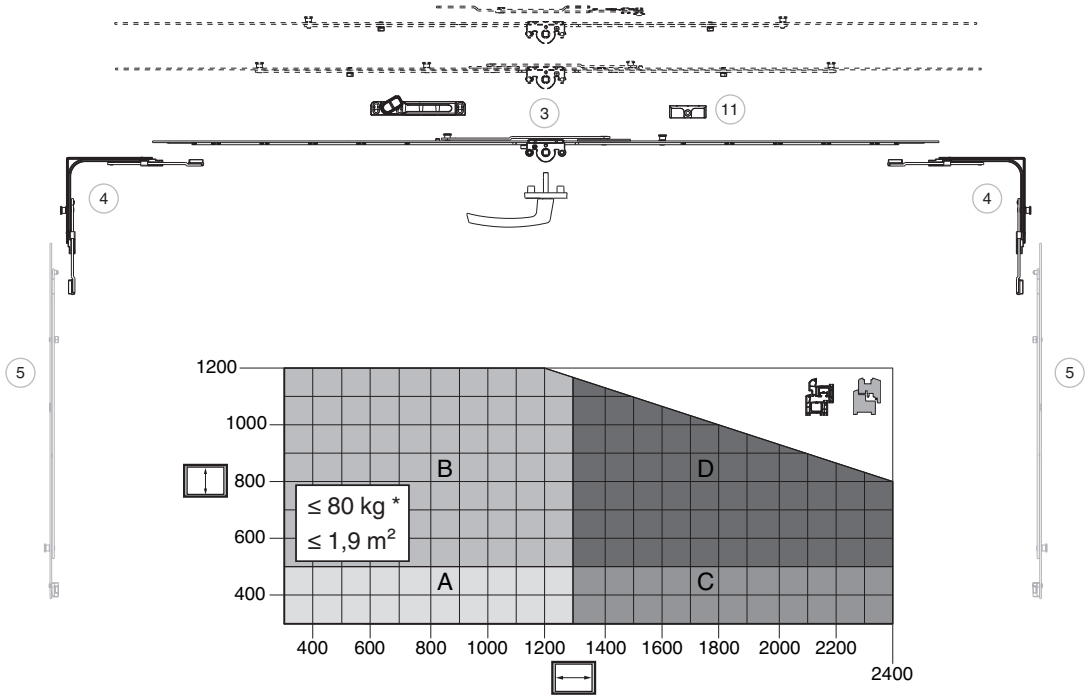
9 = For possible pivot post combinations refer to matrix; the support screw has to be set from 100 kg sash weight!

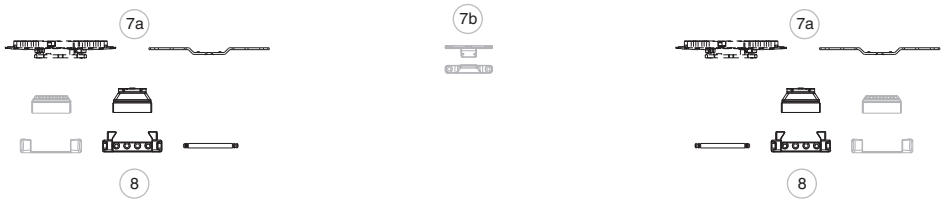
11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

13 = For application diagram refer to turn&tilt hardware overview according to corresponding pivot post combination.

		Selection guide	Page
3a	3.2.1.1	Turn-only drive gears BS 15 FHH i.S.	→155
3b	3.2.1.6	Turn-only drive gears BS 15 VHH i.S.	→156
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
7a	7.1	Turn-only hinges - sash part AS/DTuni/PVC	→204
7b	7.7.1	Surface-mounted compression devices	→213
8	8.2	Surface-mounted scissor stay hinges	→220
9	9.3	Pivot posts AS (surface-mounted)	→234
11	11	Striker plates	→274

2.4.3.5 1-sashed rectangular tilt-only window with scissor stay hinge AS and tilt-only hinge AS/PVC







A = 1 tilt stay + restrictor and cleaning stay size 1.

B = 1 tilt stay + restrictor and cleaning stay size 2.

C = 2 tilt stays + restrictor and cleaning stay size 1.

D = 2 tilt stays + restrictor and cleaning stay size 2.

* = Mandatory installation of restrictor and cleaning stay (guideline FPKF at www.schlossindustrie.de)! Observe application diagrams and max. load capacity for restrictor and cleaning stays!

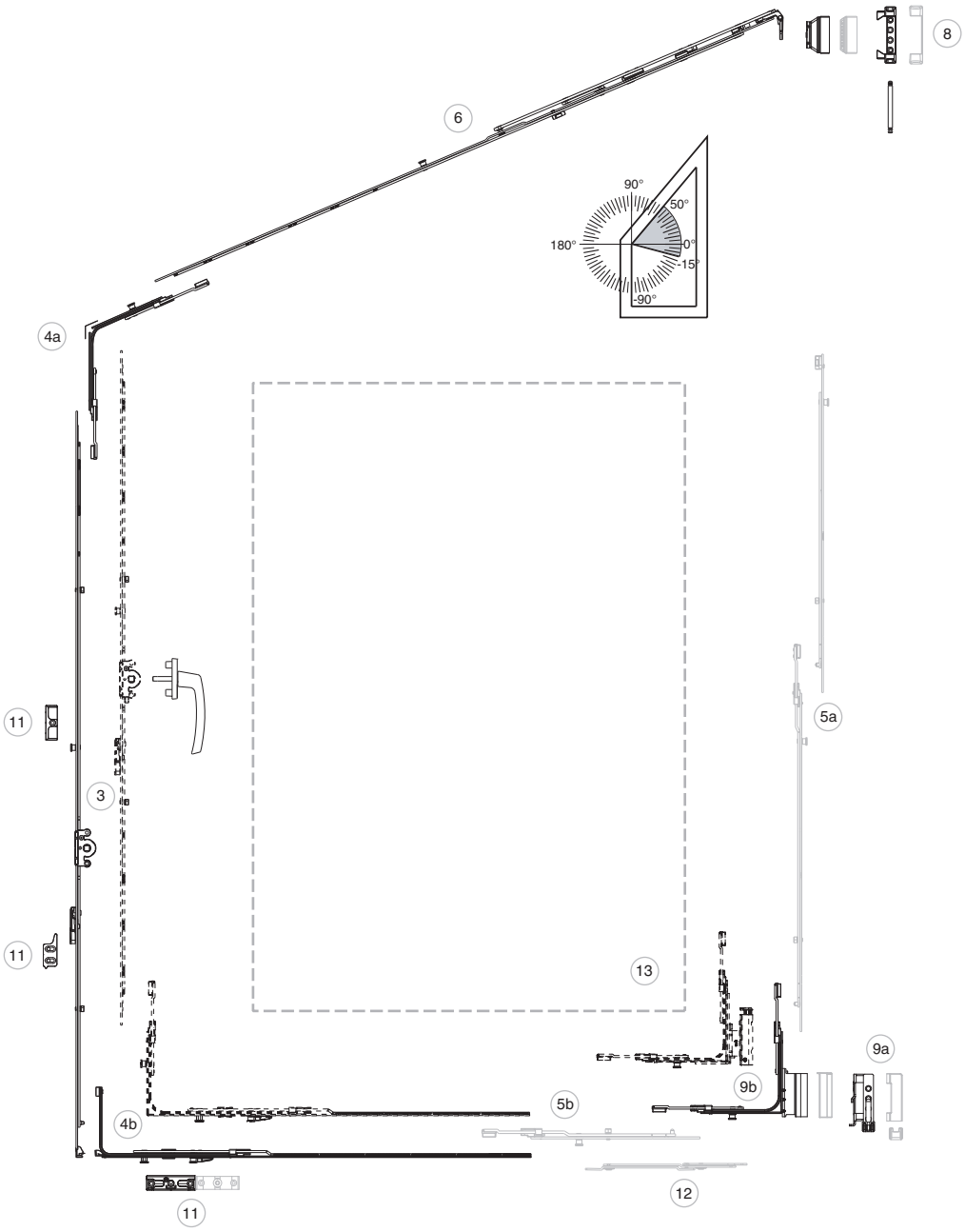
5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3	3.4	Espagnolettes	→162
4	4.1.1	Corner elements standard i.S.	→172
5	5.1	Centre locks FHH i.S.	→182
7a	7.2	Turn and tilt hinges - sash part AS/DTuni/PVC	→206
7b	7.7.1	Surface-mounted compression devices	→213
8	8.2	Surface-mounted scissor stay hinges	→220
11	11	Striker plates	→274

2.4.3.6 1-sashed angled T&T window with pivot post AS and rebated corner support AS EH with corner element



≤ 1650 x 2600 mm

≥ 465 mm

≥ 370 mm

≥ 360 mm (15), ≥ 455 mm (6,5)

≥ 470 mm (15), ≥ 530 mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5a = Above SRH 800 mm; Observe details from profile manufacturer!

5b = Required above SRW 670 mm.

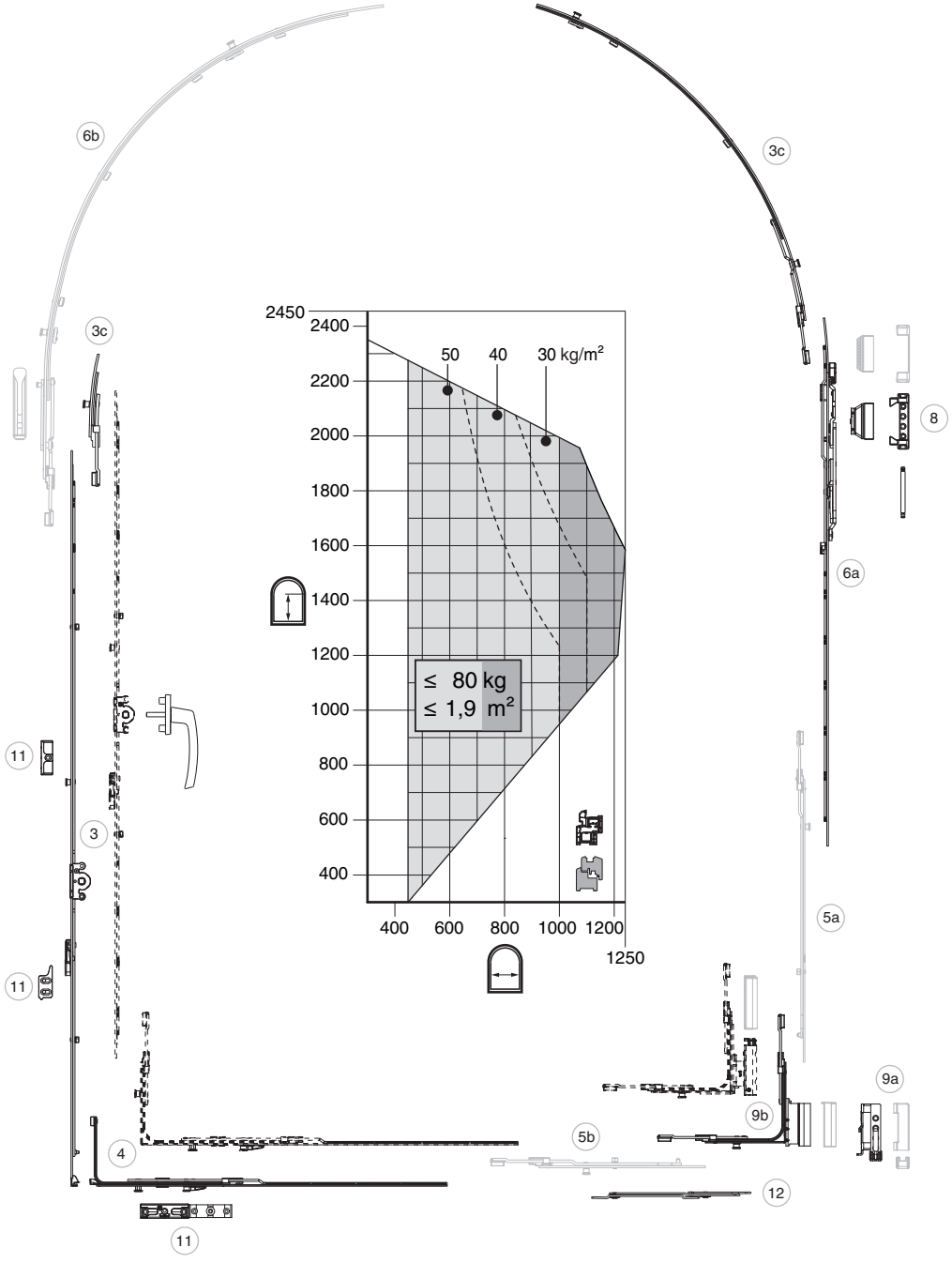
9b = Rebated corner support with corner element with or without rebate-leg screw fixing.

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

13 = Refer to application diagrams for angled windows in chapter 2.5.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.5	Corner elements i.S. for angled windows	→175
4b	4.6	Corner elements i.S. for half round windows	→176
5a	5.1	Centre locks FHH i.S.	→182
5b	5.11	Faceplate extensions fixed and extendable	→185
6	6.1.11	Rebated scissor stays i.S. for angled windows	→193
8	8.2	Surface-mounted scissor stay hinges	→220
9a	9.3.1.1	Surface-mounted pivot posts for rebated corner supports AS/PVC without rebate-leg screw fixing	→234
9b	9.3.2.3	Surface-mounted rebated corner supports with rebate-leg screw fixing EH with corner element	→236
11	11	Striker plates	→274
12	12.12	Turn restrictions	→299

2.4.3.7 1-sashed half round T&T window with pivot post AS (for rebated corner support AS/PVC) + rebated corner support AS EH with corner element



≤ 1250 x 2250 mm

≥ 435 mm

≥ 360 mm (15), ≥ 455 mm (6,5)

≥ 470 mm (15), ≥ 530 mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

3c = Required above SRW 671 mm.

5a = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

5b = Required above SRW 670 mm.

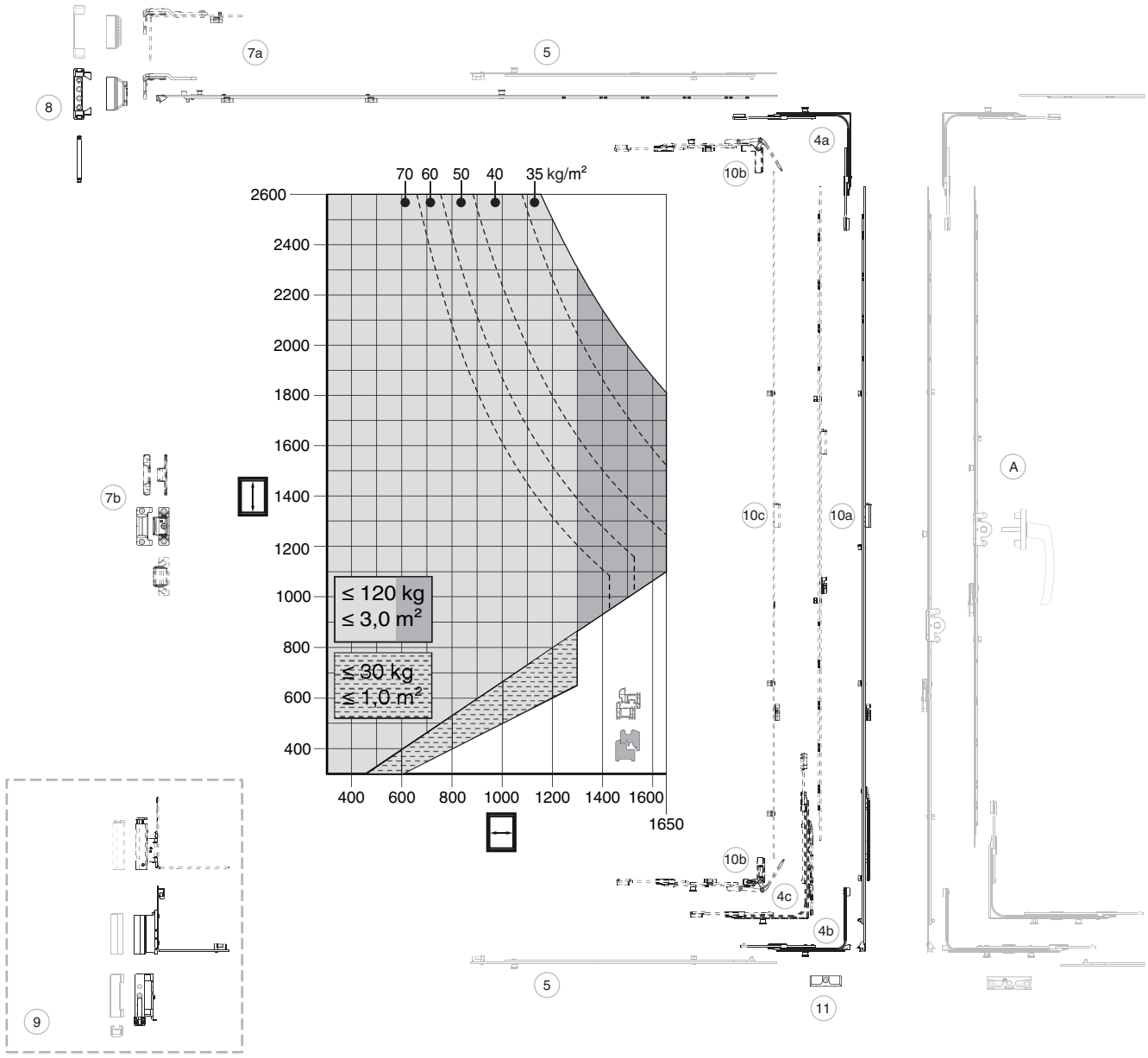
6b = Stabilizing scissor stay necessary from 1,001 mm (dark shading in application range diagram).

9b = Rebated corner support with corner element with or without rebate-leg screw fixing.

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
3c	3.5.3	End piece top for half round windows	→167
4	4.6	Corner elements i.S. for half round windows	→176
5a	5.2	Centre locks extendable i.S.	→182
5b	5.11	Faceplate extensions fixed and extendable	→185
6a	6.1.12	Rebated scissor stays i.S. for half round windows	→194
6b	6.8.4	Stabilizing scissor stays for half round windows	→201
8	8.2	Surface-mounted scissor stay hinges	→220
9a	9.3.1.1	Surface-mounted pivot posts for rebated corner supports AS/PVC without rebate-leg screw fixing	→234
9b	9.3.2.3	Surface-mounted rebated corner supports with rebate-leg screw fixing EH with corner element	→236
11	11	Striker plates	→274
12	12.12	Turn restrictions	→299

2.4.3.8 2-sashed rectangular T&T window with pivot post AS



≤ 1650 x 2600 mm

≥ 320 mm

≥ 220 mm

≥ 360 mm (15), ≥ 455 mm (6,5)

≥ 470 mm (15), ≥ 530 mm (6,5)

A = For details refer to 1-sashed turn&tilt window.

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

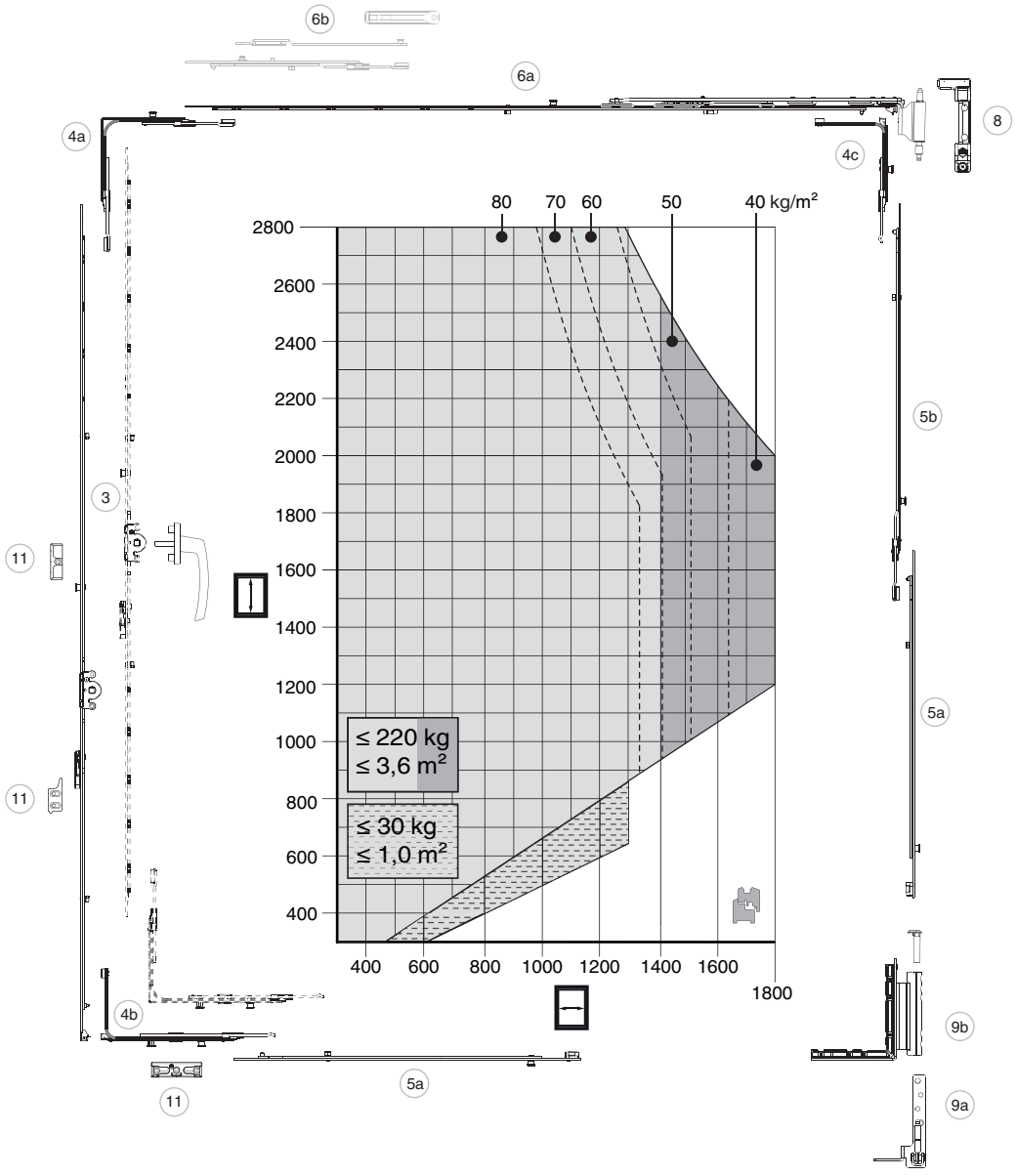
9 = For possible pivot post combinations refer to matrix; the support screw has to be set from 100 kg sash weight!

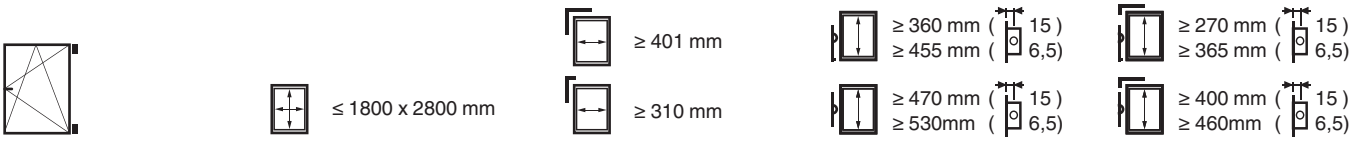
10a = French casement drive gear FHH or VHH.

		Selection guide	Page
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
4c	4.4	Corner elements i.S. for French casement drive gears	→175
5	5.1	Centre locks FHH i.S.	→182
7a	7.1	Turn-only hinges - sash part AS/DTuni/PVC	→204
7b	7.7	Compression devices	→213
8	8.2	Surface-mounted scissor stay hinges	→220
9	9.3	Pivot posts AS (surface-mounted)	→234
10a	10.1.5	Horizontal French casement locks	→259
10b	10.2	French casement drive gears	→261
10c	10.3	Single piece door striker	→268
11	11	Striker plates	→274

2.4.4 MULTI MAMMUT (drive gear FHH/VHH)

2.4.4.1 1-sashed rectangular T&T window with pivot post timber MULTI MAMMUT and corner support MULTI MAMMUT





3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

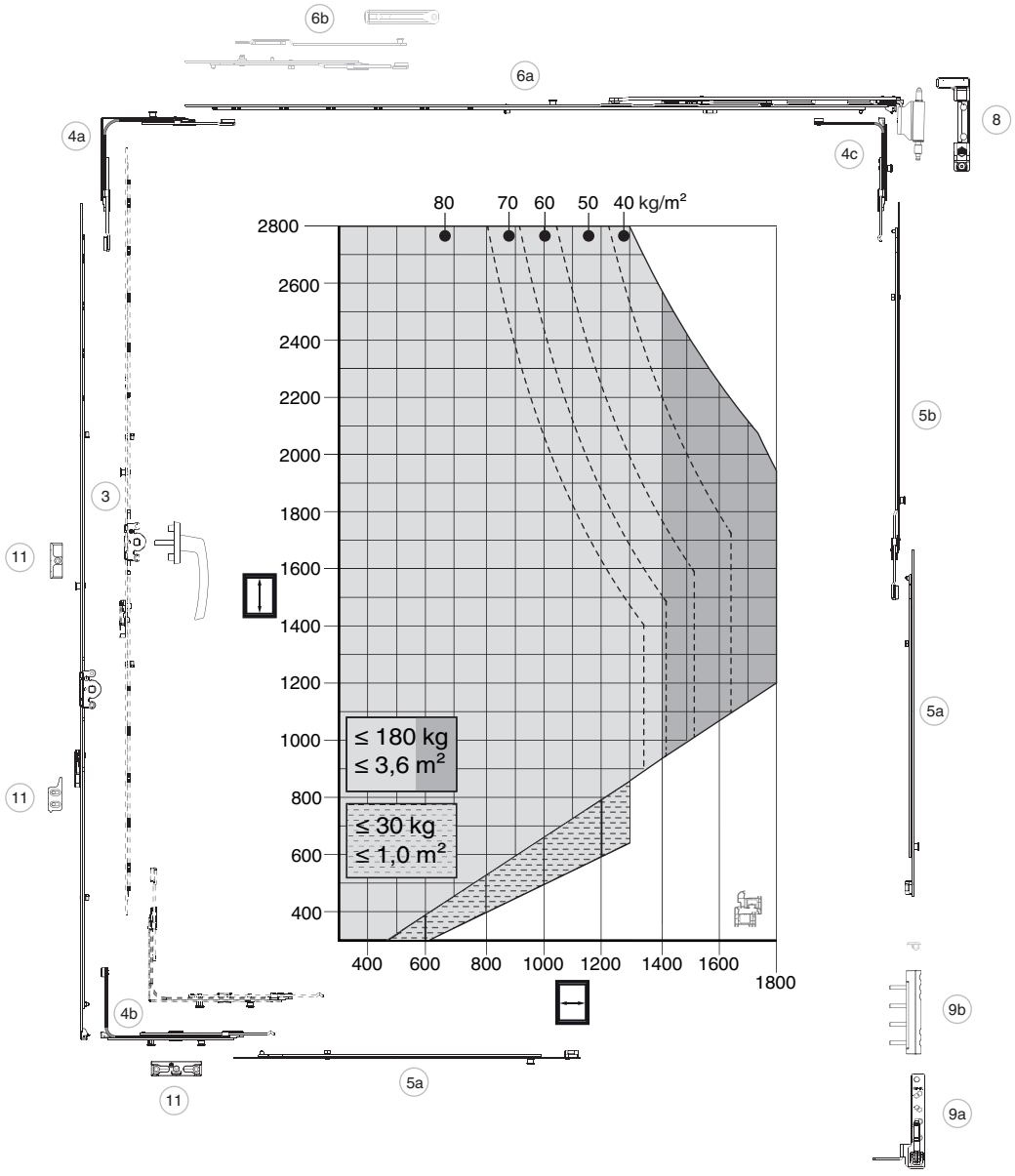
5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

5b = Use additional centre locks from 1,280 mm!

6b = Stabilizing scissor stay necessary from 1,401 mm (dark shading in application range diagram).

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5a	5.1	Centre locks FHH i.S.	→182
5b	5.2	Centre locks extendable i.S.	→182
6a	6.2	Rebated scissor stays MULTI MAMMUT	→195
6b	6.8.1	Stabilizing scissor stays	→201
8	8.6	Scissor stay hinges MULTI MAMMUT	→223
9a	9.5.1	Pivot posts for timber MULTI MAMMUT	→242
9b	9.5.4	Rebated corner supports MULTI MAMMUT	→243
11	11	Striker plates	→274

2.4.4.2 1-sashed rectangular T&T window with pivot post PVC MULTI MAMMUT and corner support MULTI MAMMUT



≤ 1800 x 2800 mm

≥ 401 mm

≥ 310 mm

≥ 360 mm (15)
≥ 455 mm (6,5)

≥ 270 mm (15)
≥ 365 mm (6,5)

≥ 470 mm (15)
≥ 530mm (6,5)

≥ 400 mm (15)
≥ 460mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

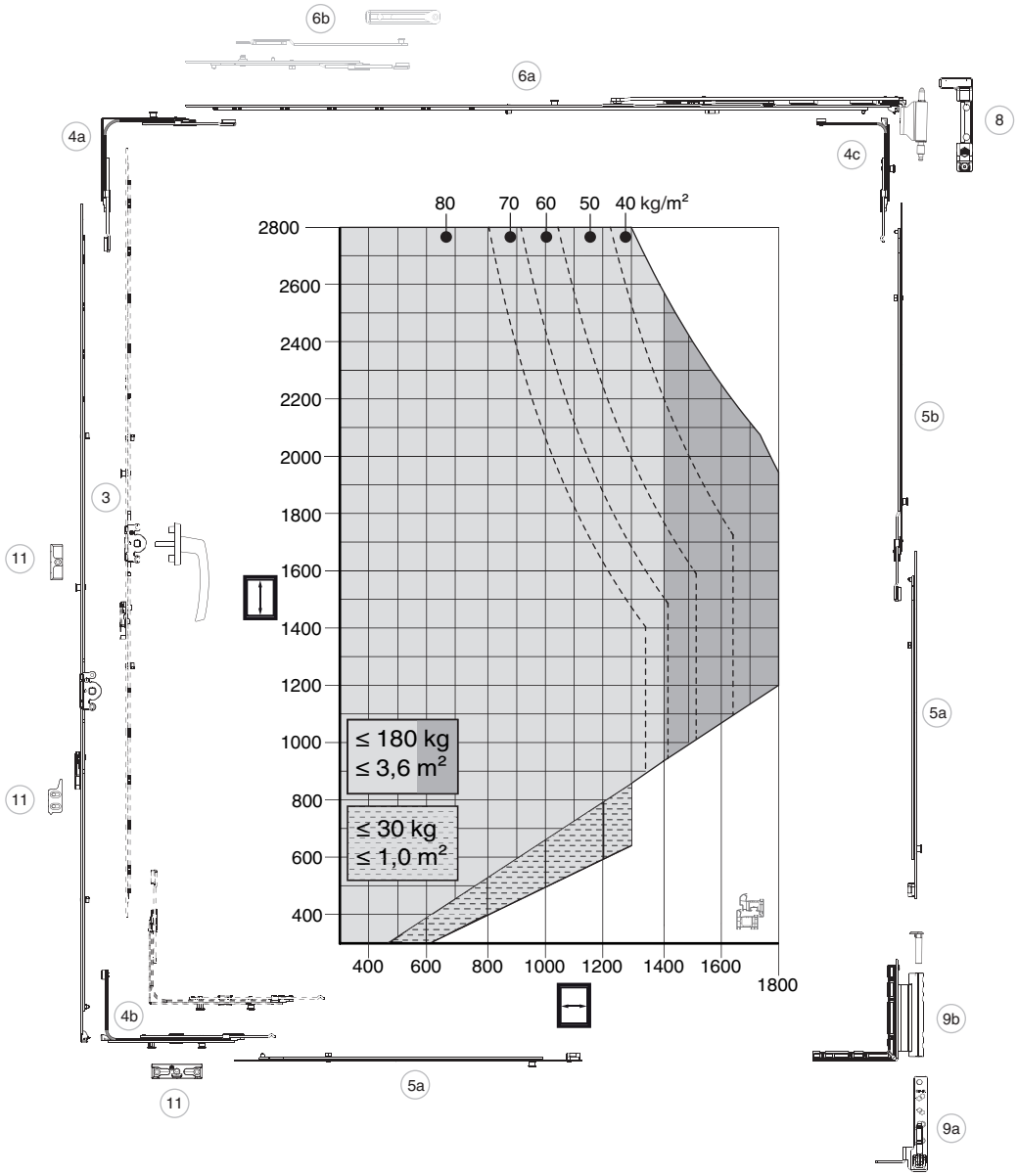
5b = Use additional centre locks from 1,280 mm!

6b = Stabilizing scissor stay necessary from 1,401 mm (dark shading in application range diagram).

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5a	5.1	Centre locks FHH i.S.	→182
5b	5.2	Centre locks extendable i.S.	→182
6a	6.2	Rebated scissor stays MULTI MAMMUT	→195
6b	6.8.1	Stabilizing scissor stays	→201
8	8.6	Scissor stay hinges MULTI MAMMUT	→223
9a	9.5.2	Pivot posts for PVC MULTI MAMMUT	→242
9b	9.5.3	Corner supports PVC MULTI MAMMUT	→242

2.4.4.3 1-sashed rectangular T&T window with pivot post PVC MULTI MAMMUT and rebated corner support MULTI MAMMUT



≤ 1800 x 2800 mm

≥ 401 mm

≥ 310 mm

≥ 360 mm (15)
≥ 455 mm (6,5)

≥ 270 mm (15)
≥ 365 mm (6,5)

≥ 470 mm (15)
≥ 530mm (6,5)

≥ 400 mm (15)
≥ 460mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

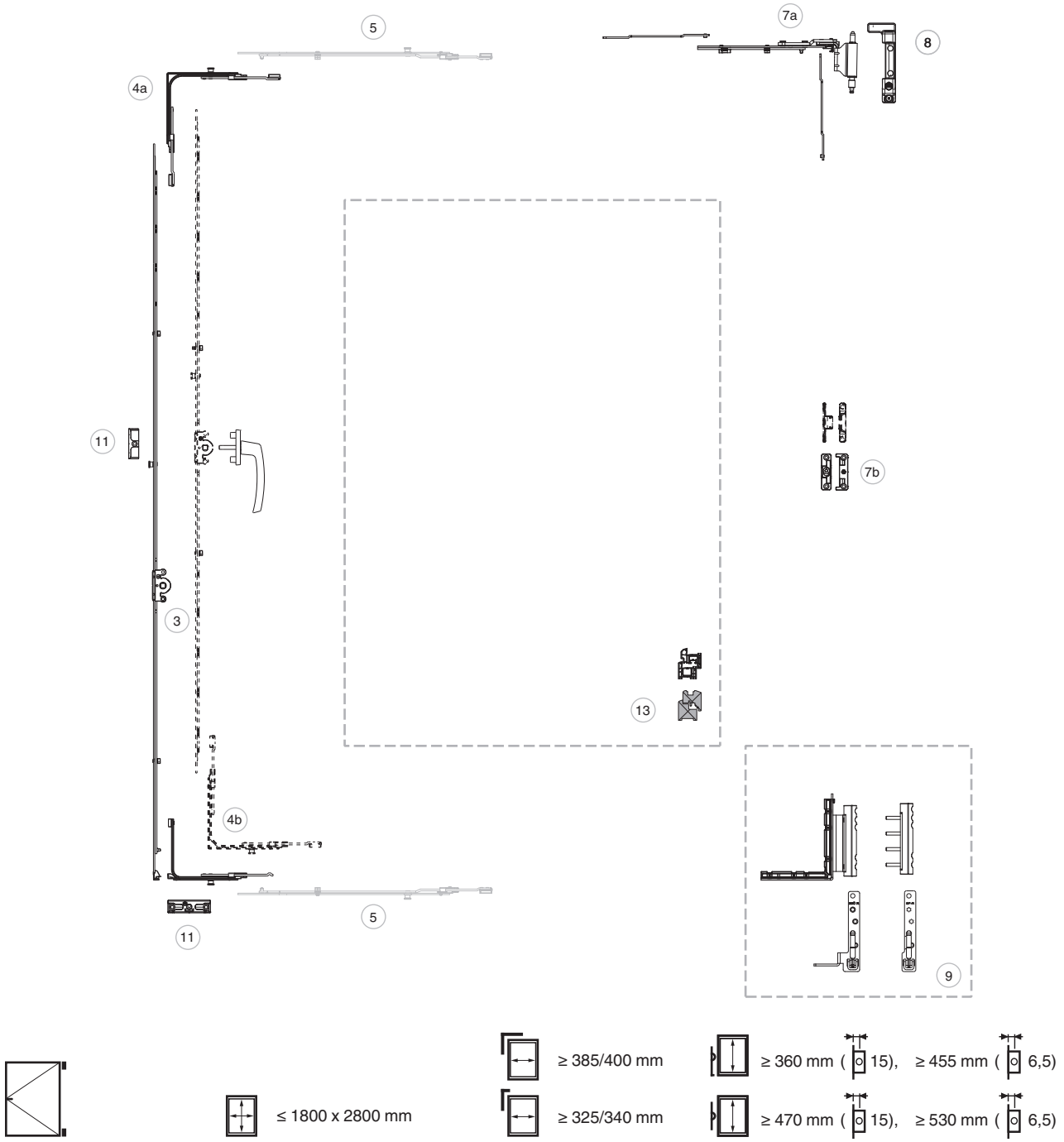
5b = Use additional centre locks from 1,280 mm!

6b = Stabilizing scissor stay necessary from 1,401 mm (dark shading in application range diagram).

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5a	5.1	Centre locks FHH i.S.	→182
5b	5.2	Centre locks extendable i.S.	→182
6a	6.2	Rebated scissor stays MULTI MAMMUT	→195
6b	6.8.1	Stabilizing scissor stays	→201
8	8.6	Scissor stay hinges MULTI MAMMUT	→223
9a	9.5.2	Pivot posts for PVC MULTI MAMMUT	→242
9b	9.5.4	Rebated corner supports MULTI MAMMUT	→243

2.4.4.4 1-sashed rectangular turn-only window with pivot post MULTI MAMMUT and corner support MULTI MAMMUT with fixed turn-only hinge



≤ 1800 x 2800 mm

≥ 385/400 mm

≥ 325/340 mm

≥ 360 mm (15), ≥ 455 mm (6,5)

≥ 470 mm (15), ≥ 530 mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7a = Faceplate extensions, when used as turn-only hinge (sash part) FHH (application range 385-1800 mm).

7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Top compression device must be installed close to turn-only hinge for gasket compression adjustment; Observe details from profile manufacturer!

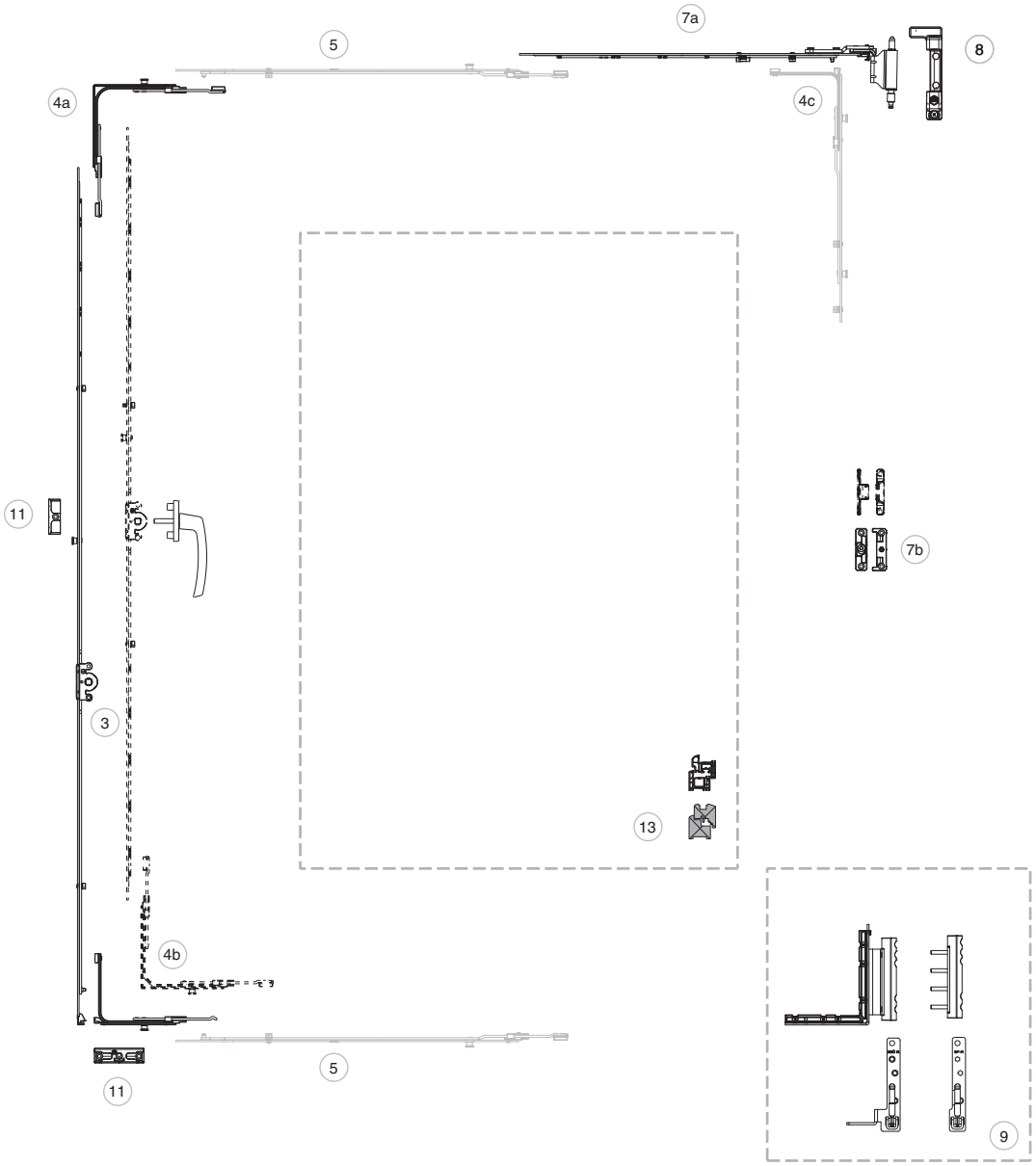
9 = For possible pivot post combinations refer to matrix.

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

13 = For application diagram refer to turn&tilt hardware overview according to corresponding pivot post combination.

		Selection guide	Page
3a	3.2.1.1	Turn-only drive gears BS 15 FHH i.S.	→155
3b	3.2.1.6	Turn-only drive gears BS 15 VHH i.S.	→156
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
5	5.1	Centre locks FHH i.S.	→182
7a	7.3	Turn-only hinges - sash part MULTI MAMMUT	→207
7b	7.7	Compression devices	→213
8	8.6	Scissor stay hinges MULTI MAMMUT	→223
9	9.5	Pivot posts MULTI MAMMUT	→242
11	11	Striker plates	→274

2.4.4.5 1-sashed rectangular turn-only window with pivot post MULTI MAMMUT and corner support MULTI MAMMUT with croppable turn-only hinge



≤ 1800 x 2800 mm

≥ 401 mm

≥ 320 mm

≥ 360 mm (15), ≥ 455 mm (6,5)

≥ 470 mm (15), ≥ 530 mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7a = Use as croppable turn-only hinge (sash part) (application range 400 - 635 mm).

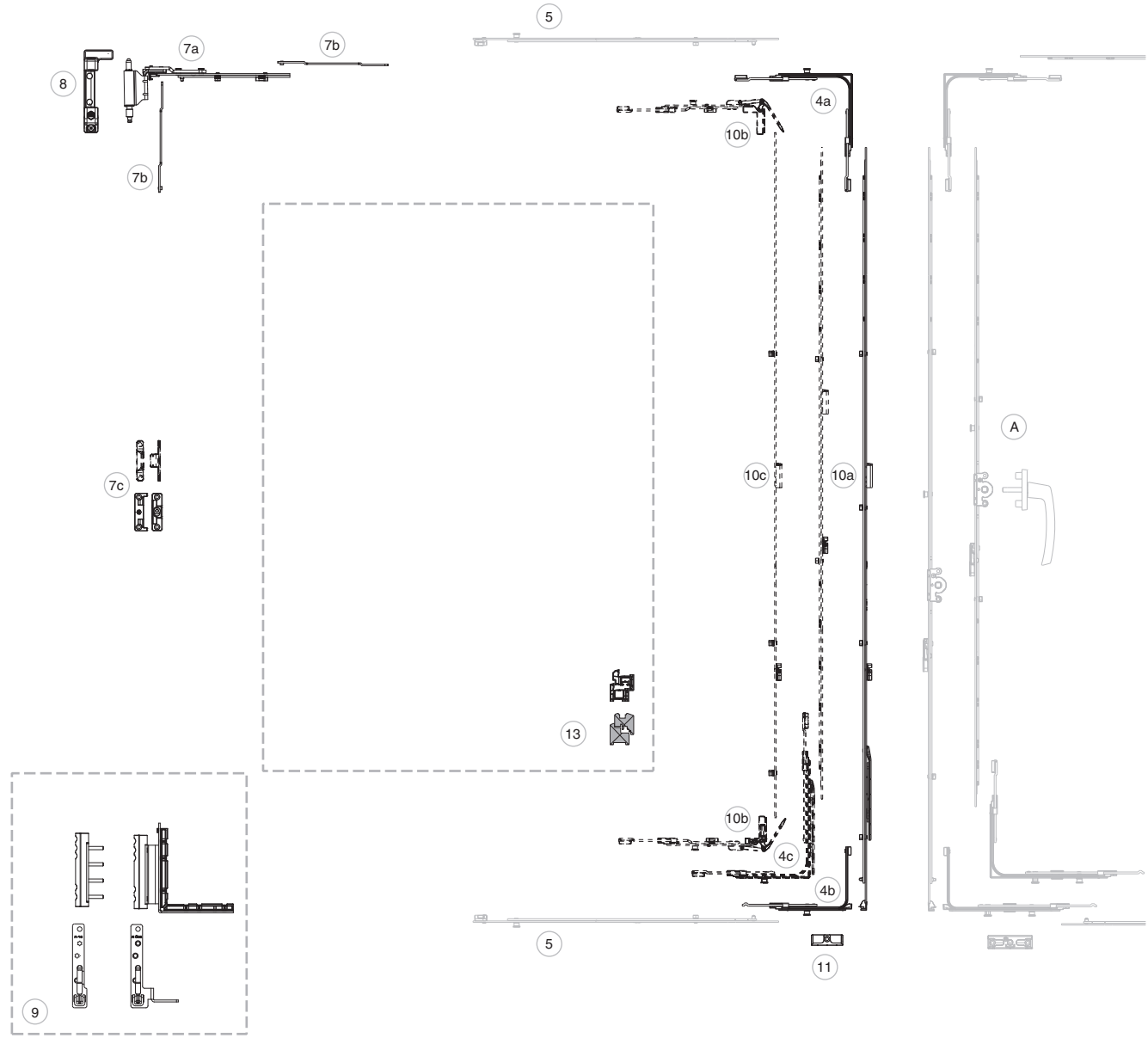
7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

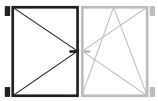
9 = For possible pivot post combinations refer to matrix.

13 = For application diagram refer to turn&tilt hardware overview according to corresponding pivot post combination.

		Selection guide	Page
3a	3.2.1.1	Turn-only drive gears BS 15 FHH i.S.	→155
3b	3.2.1.6	Turn-only drive gears BS 15 VHH i.S.	→156
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
7a	7.3	Turn-only hinges - sash part MULTI MAMMUT	→207
7b	7.7	Compression devices	→213
8	8.6	Scissor stay hinges MULTI MAMMUT	→223
9	9.5	Pivot posts MULTI MAMMUT	→242
11	11	Striker plates	→274

2.4.4.6 2-sashed rectangular T&T window with pivot post MULTI MAMMUT and fixed turn-only hinge







≤ 1800 x 2800 mm



≥ 401 mm



≥ 310 mm



≥ 360 mm (15), ≥ 455 mm (6,5)



≥ 470 mm (15), ≥ 530 mm (6,5)

A = For details refer to 1-sashed turn&tilt window.

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7c = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

9 = For possible pivot post combinations refer to matrix; the support screw has to be set from 100 kg sash weight!

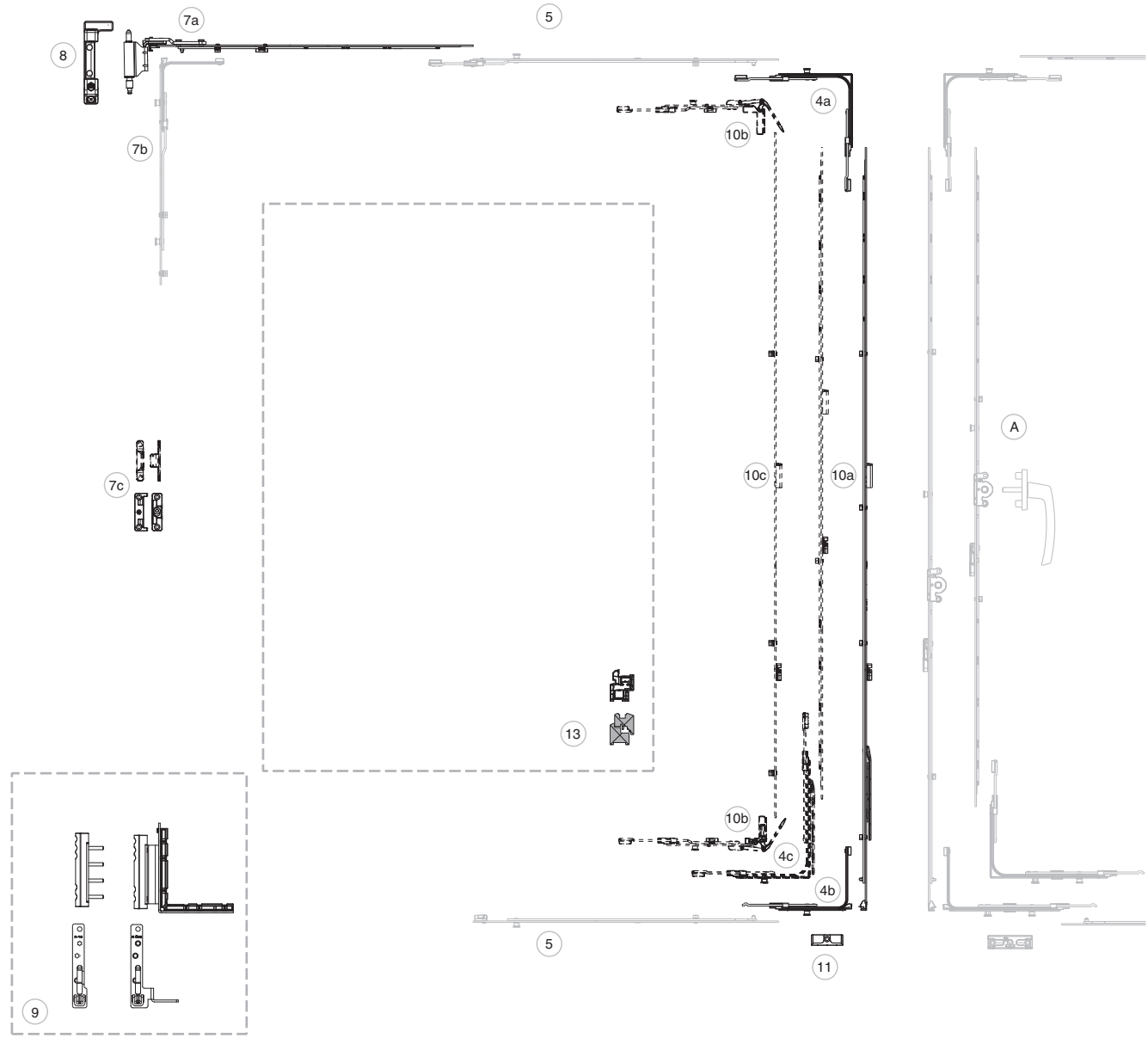
10a = French casement drive gear FHH or VHH.

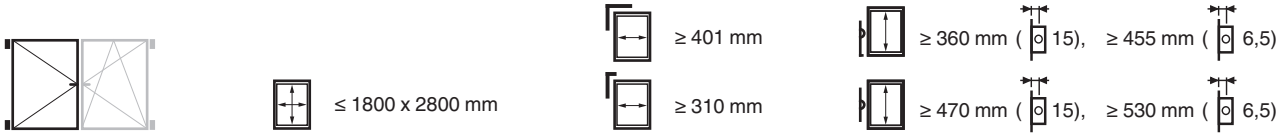
11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

13 = For application diagram refer to turn&tilt hardware overview according to corresponding pivot post combination.

		Selection guide	Page
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
4c	4.4	Corner elements i.S. for French casement drive gears	→175
5	5.1	Centre locks FHH i.S.	→182
7a	7.3.1	Turn-only hinges - sash part croppable MULTI MAMMUT	→207
7b	7.3.2	Faceplate extension for turn-only hinge - sash part MULTI MAMMUT	→207
7c	7.7	Compression devices	→213
8	8.6	Scissor stay hinges MULTI MAMMUT	→223
9	9.5	Pivot posts MULTI MAMMUT	→242
10a	10.1.5	Horizontal French casement locks	→259
10b	10.2	French casement drive gears	→261
10c	10.3	Single piece door striker	→268
11	11	Striker plates	→274

2.4.4.7 2-sashed rectangular T&T window with pivot post MULTI MAMMUT and croppable turn-only hinge





A = For details refer to 1-sashed turn&tilt window.

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7c = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

9 = For possible pivot post combinations refer to matrix; the support screw has to be set from 100 kg sash weight!

10a = French casement drive gear FHH or VHH.

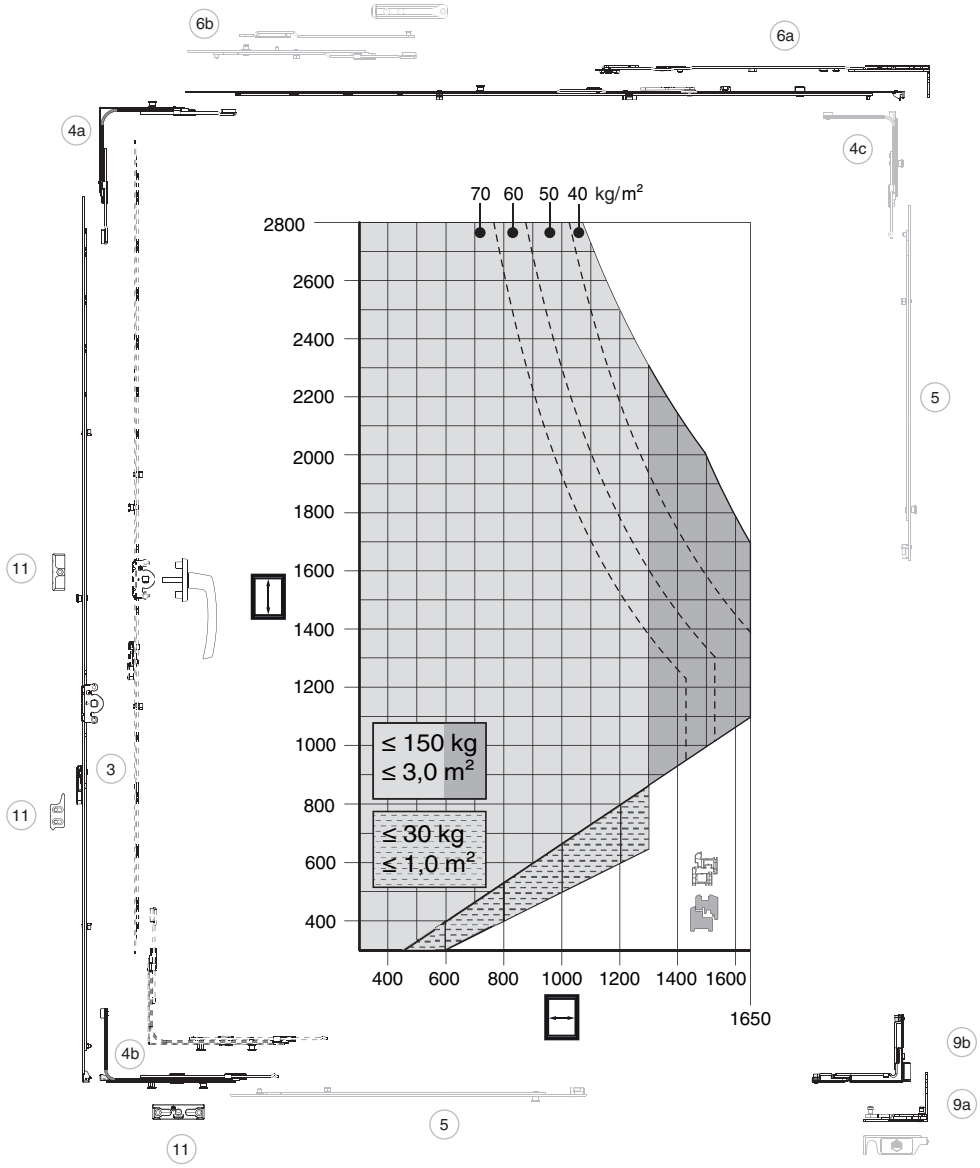
11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

13 = For application diagram refer to turn&tilt hardware overview according to corresponding pivot post combination.

		Selection guide	Page
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
4c	4.4	Corner elements i.S. for French casement drive gears	→175
5	5.1	Centre locks FHH i.S.	→182
7a	7.3.1	Turn-only hinges - sash part croppable MULTI MAMMUT	→207
7b	7.3.2	Faceplate extension for turn-only hinge - sash part MULTI MAMMUT	→207
7c	7.7	Compression devices	→213
8	8.6	Scissor stay hinges MULTI MAMMUT	→223
9	9.5	Pivot posts MULTI MAMMUT	→242
10a	10.1.5	Horizontal French casement locks	→259
10b	10.2	French casement drive gears	→261
10c	10.3	Single piece door striker	→268
11	11	Striker plates	→274

2.4.5 MULTI POWER (drive gear FHH/VHH)

2.4.5.1 1-sashed rectangular T&T window with pivot post MULTI POWER and corner support MULTI POWER



≤ 1650 x 2800 mm

≥ 465 mm

≥ 370 mm

≥ 360 mm (15)
≥ 455 mm (6,5)

≥ 270 mm (15)
≥ 365 mm (6,5)

≥ 470 mm (15)
≥ 530mm (6,5)

≥ 400 mm (15)
≥ 460mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

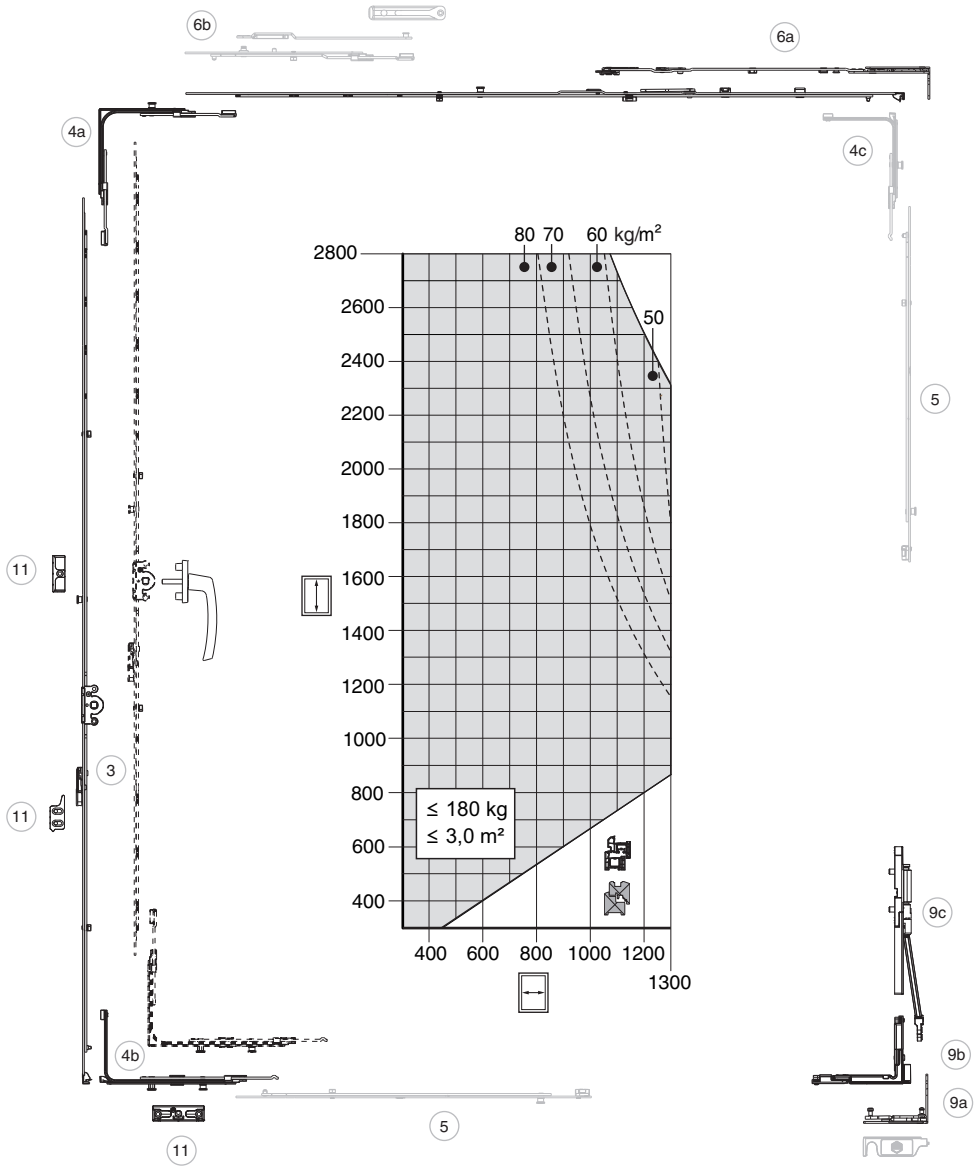
6b = Stabilizing scissor stay necessary from 1,301 mm (dark shading in application range diagram).

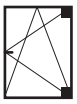
9 = Timber or PVC variant.

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.3	Scissor stays MULTI POWER	→197
6b	6.8.1	Stabilizing scissor stays	→201
9a	9.6.1	Pivot posts MULTI POWER	→244
9b	9.6.4	Rebated corner supports MULTI POWER	→244
11	11	Striker plates	→274

2.4.5.2 1-sashed rectangular T&T window with pivot post MULTI POWER and corner support MULTI POWER and load transfer

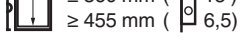


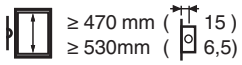


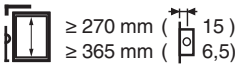

≤ 1300 x 2800 mm

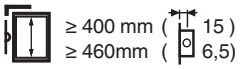

≥ 465 mm


≥ 370 mm


≥ 360 mm (15)
≥ 455 mm (6,5)


≥ 470 mm (15)
≥ 530mm (6,5)


≥ 270 mm (15)
≥ 365 mm (6,5)


≥ 400 mm (15)
≥ 460mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

6b = Stabilizing scissor stay necessary from 1,301 mm (dark shading in application range diagram).

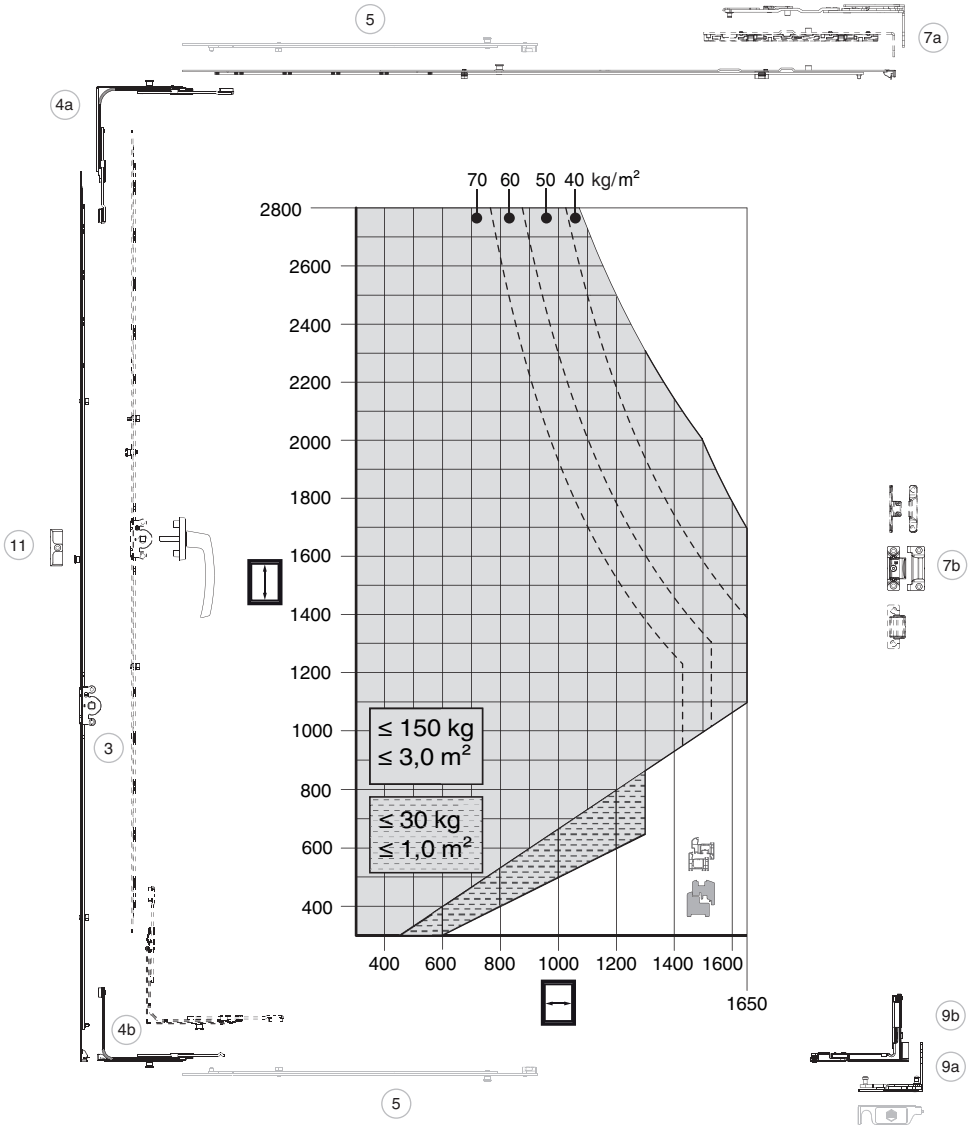
9 = Timber or PVC variant.

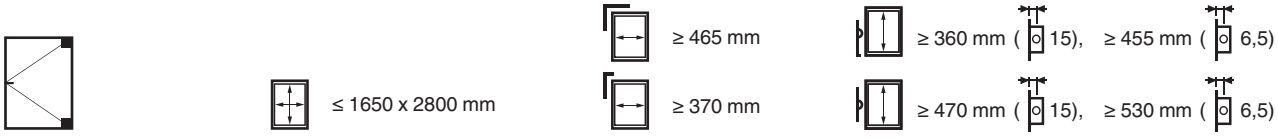
9c = In timber, the use of a turn restrictor for MULTI POWER (item no. 103623 or item no. 103624) is required! Installation of the turn restrictor in accordance with package leaflet turn restrictor (order no. 750304).

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
3b	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.3	Scissor stays MULTI POWER	→197
6b	6.8.1	Stabilizing scissor stays	→201
9a	9.6.1	Pivot posts MULTI POWER	→244
9b	9.6.4	Rebated corner supports MULTI POWER	→244
9c	9.6.5	Load transfer MULTI POWER	→245
11	11	Striker plates	→274

2.4.5.3 1-sashed rectangular turn-only window with fixed or croppable turn-only hinge faceplate and pivot post MULTI POWER and corner support MULTI POWER





3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7a = Turn-only hinge faceplate fixed or croppable.

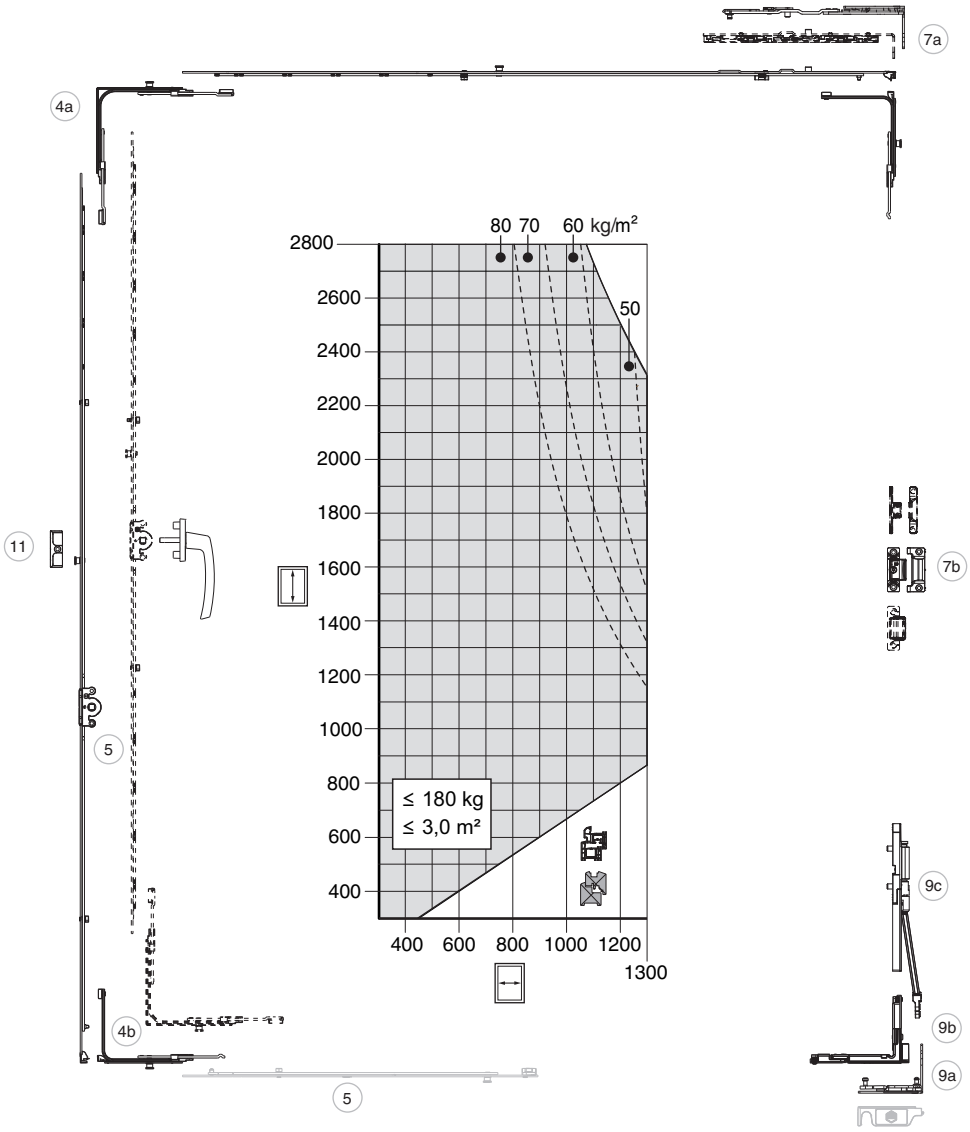
7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

9 = Timber or PVC variant.

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.2.1.1	Turn-only drive gears BS 15 FHH i.S.	→155
3b	3.2.1.6	Turn-only drive gears BS 15 VHH i.S.	→156
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
7a	7.4.1	Turn-only and tilt-only hinge faceplates / turn-only and tilt-only hinge arms with hinge MULTI POWER	→208
7b	7.7	Compression devices	→213
9a	9.6.1	Pivot posts MULTI POWER	→244
9b	9.6.4	Rebated corner supports MULTI POWER	→244
11	11	Striker plates	→274

2.4.5.4 1-sashed rectangular turn-only window with fixed or croppable turn-only hinge faceplate and pivot post MULTI POWER and corner support MULTI POWER and load transfer



≤ 1300 x 2800 mm

≥ 465 mm

≥ 370 mm

≥ 360 mm (15), ≥ 455 mm (6,5)

≥ 470 mm (15), ≥ 530 mm (6,5)

3 = Drive gear FHH or VHH (Backset 15 or 6.5). Recommendation: Handle height should be between $^1/_3$ and $^1/_2$ of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7a = Turn-only hinge faceplate fixed or croppable.

7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

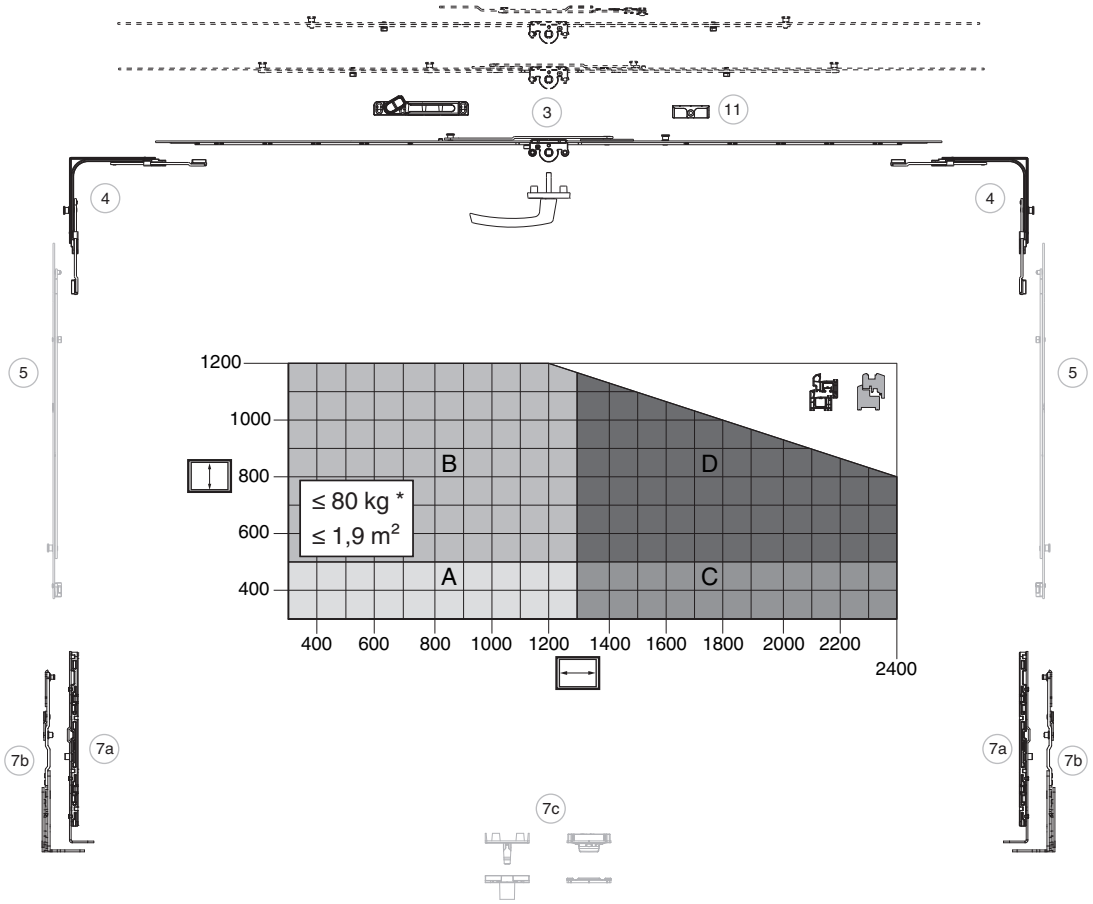
9 = Timber or PVC variant.

9c = In timber, the use of a turn restrictor for MULTI POWER (item no. 103623 or item no. 103624) is required! Installation of the turn restrictor in accordance with package leaflet turn restrictor (order no. 750304).

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3a	3.2.1.1	Turn-only drive gears BS 15 FHH i.S.	→155
3b	3.2.1.6	Turn-only drive gears BS 15 VHH i.S.	→156
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
7a	7.4.1	Turn-only and tilt-only hinge faceplates / turn-only and tilt-only hinge arms with hinge MULTI POWER	→208
7b	7.7	Compression devices	→213
9a	9.6.1	Pivot posts MULTI POWER	→244
9b	9.6.4	Rebated corner supports MULTI POWER	→244
9c	9.6.5	Load transfer MULTI POWER	→245
11	11	Striker plates	→274

2.4.5.5 1-sashed rectangular tilt-only window with tilt-only hinge arm MULTI POWER and fixed tilt-only hinge faceplate MULTI POWER



≤ 2400 x 1200 mm

≥ 255 mm

≥ 310 mm

≥ 455 mm

≥ 650 mm

A = 1 tilt stay + restrictor and cleaning stay size 1.

B = 1 tilt stay + restrictor and cleaning stay size 2.

C = 2 tilt stays + restrictor and cleaning stay size 1.

D = 2 tilt stays + restrictor and cleaning stay size 2.

* = Mandatory installation of restrictor and cleaning stay (guideline FPKF at www.schlossindustrie.de)! Observe application diagrams and max. load capacity for restrictor and cleaning stays!

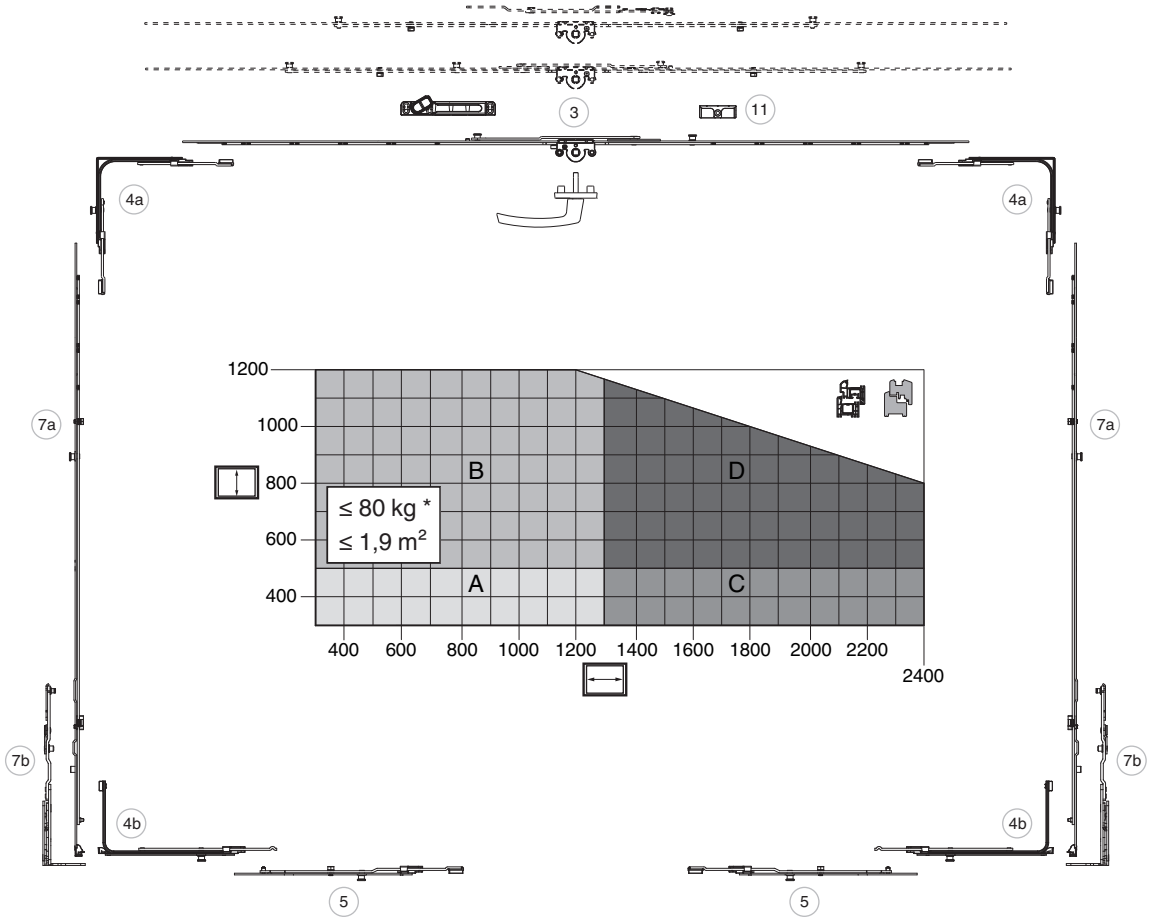
5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7c = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3	3.4	Espagnolettes	→162
4	4.1.1	Corner elements standard i.S.	→172
5	5.1	Centre locks FHH i.S.	→182
7a	7.4.1.1	Turn-only and tilt-only hinge faceplate fixed MULTI POWER	→208
7b	7.4.1.4	Tilt-only hinge arms with hinge MULTI POWER	→208
7c	7.7	Compression devices	→213
11	11	Striker plates	→274

2.4.5.6 1-sashed rectangular tilt-only window with tilt-only hinge arm MULTI POWER and croppable tilt-only hinge faceplate MULTI POWER



≤ 2400 x 1200 mm

≥ 401 mm

≥ 310 mm

≥ 650 mm

A = 1 tilt stay + restrictor and cleaning stay size 1.

B = 1 tilt stay + restrictor and cleaning stay size 2.

C = 2 tilt stays + restrictor and cleaning stay size 1.

D = 2 tilt stays + restrictor and cleaning stay size 2.

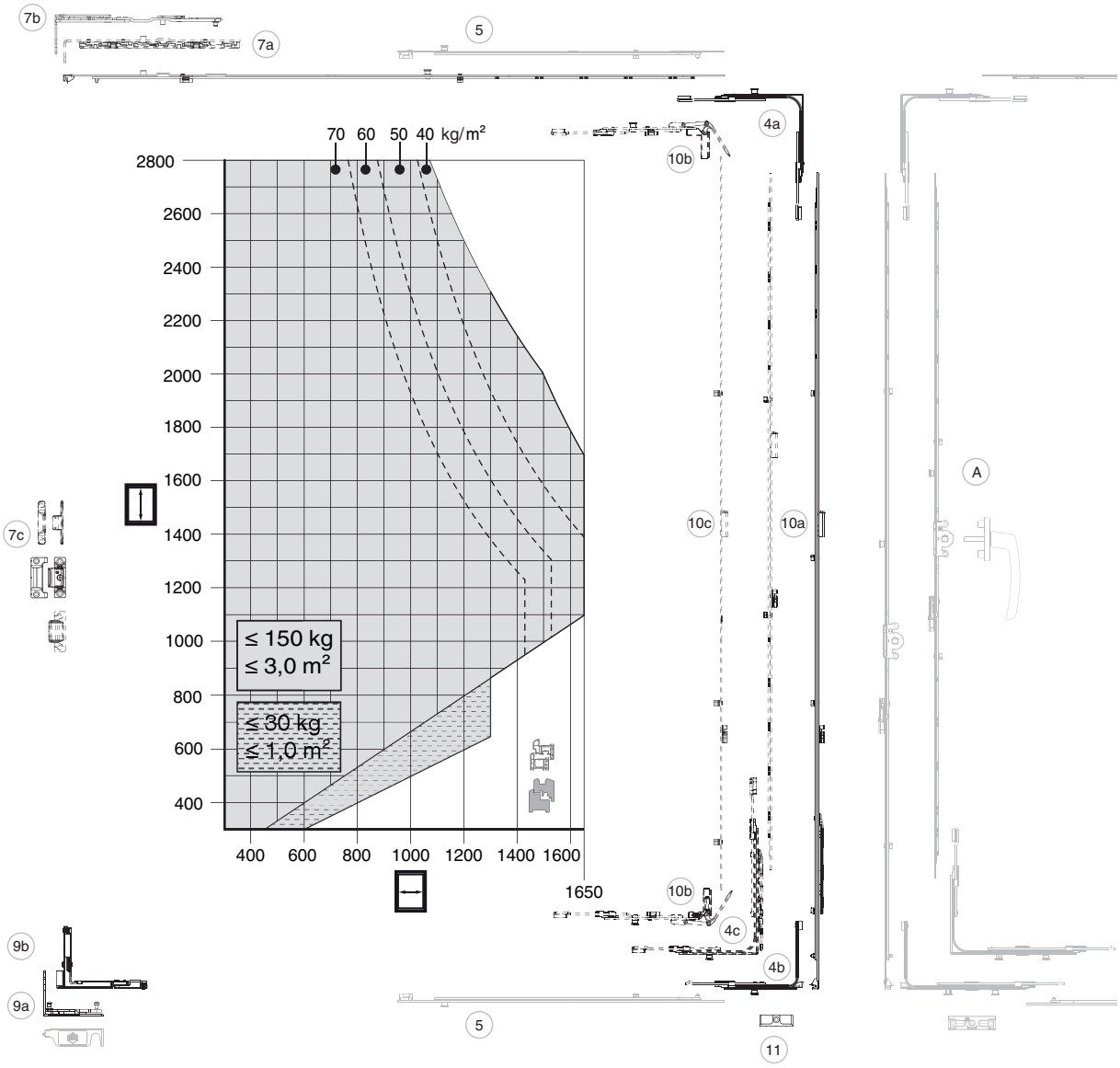
* = Mandatory installation of restrictor and cleaning stay (guideline FPKF at www.schlossindustrie.de)! Observe application diagrams and max. load capacity for restrictor and cleaning stays!

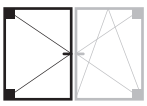
5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
3	3.4	Espagnolettes	→162
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
5	5.11	Faceplate extensions fixed and extendable	→185
7a	7.4.1.2	Turn-only hinge faceplates croppable MULTI POWER	→208
7b	7.4.1.4	Tilt-only hinge arms with hinge MULTI POWER	→208
11	11	Striker plates	→274

2.4.5.7 2-sashed rectangular T&T window with fixed or croppable turn-only hinge faceplate and pivot post MULTI POWER and corner support MULTI POWER







≤ 1650 x 2800 mm



≥ 465 mm



≥ 370 mm



≥ 360 mm (15), ≥ 455 mm (6,5)



≥ 470 mm (15), ≥ 530 mm (6,5)

A = For details refer to 1-sashed turn&tilt window.

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7a = Turn-only hinge faceplate fixed or croppable.

7c = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

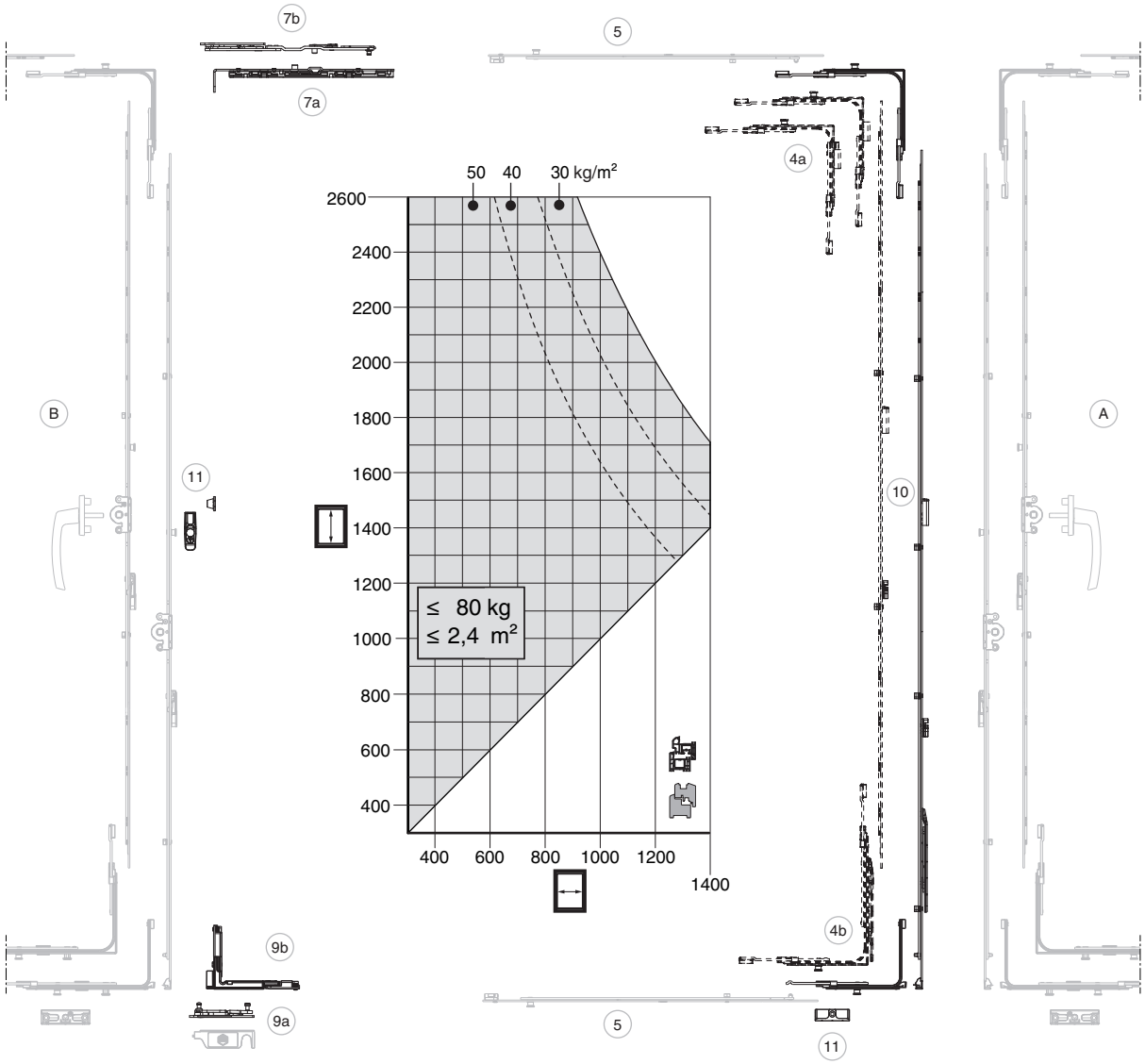
9 = Timber or PVC variant.

10a = French casement drive gear FHH or VHH.

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
4c	4.4	Corner elements i.S. for French casement drive gears	→175
5	5.1	Centre locks FHH i.S.	→182
7a	7.4.1.1	Turn-only and tilt-only hinge faceplate fixed MULTI POWER	→208
7b	7.4.1.3	Turn-only hinge arms with hinge MULTI POWER	→208
7c	7.7	Compression devices	→213
9a	9.6.1	Pivot posts MULTI POWER	→244
9b	9.6.4	Rebated corner supports MULTI POWER	→244
10a	10.1.5	Horizontal French casement locks	→259
10b	10.2	French casement drive gears	→261
10c	10.3	Single piece door striker	→268
11	11	Striker plates	→274

2.4.5.8 3-sashed rectangular turn-only window with pivot post MULTI POWER and corner support MULTI POWER



≤ 1400 x 2600 mm

≥ 465 mm

≥ 360 mm (15), ≥ 455 mm (6,5)

≥ 470 mm (15), ≥ 530 mm (6,5)

A = For details refer to 1-sashed turn-only or turn&tilt window.

B = For details refer to 1-sashed turn-only or turn&tilt window. Drive gear with tilt lock bolt not possible!

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7b = Timber or PVC variant.

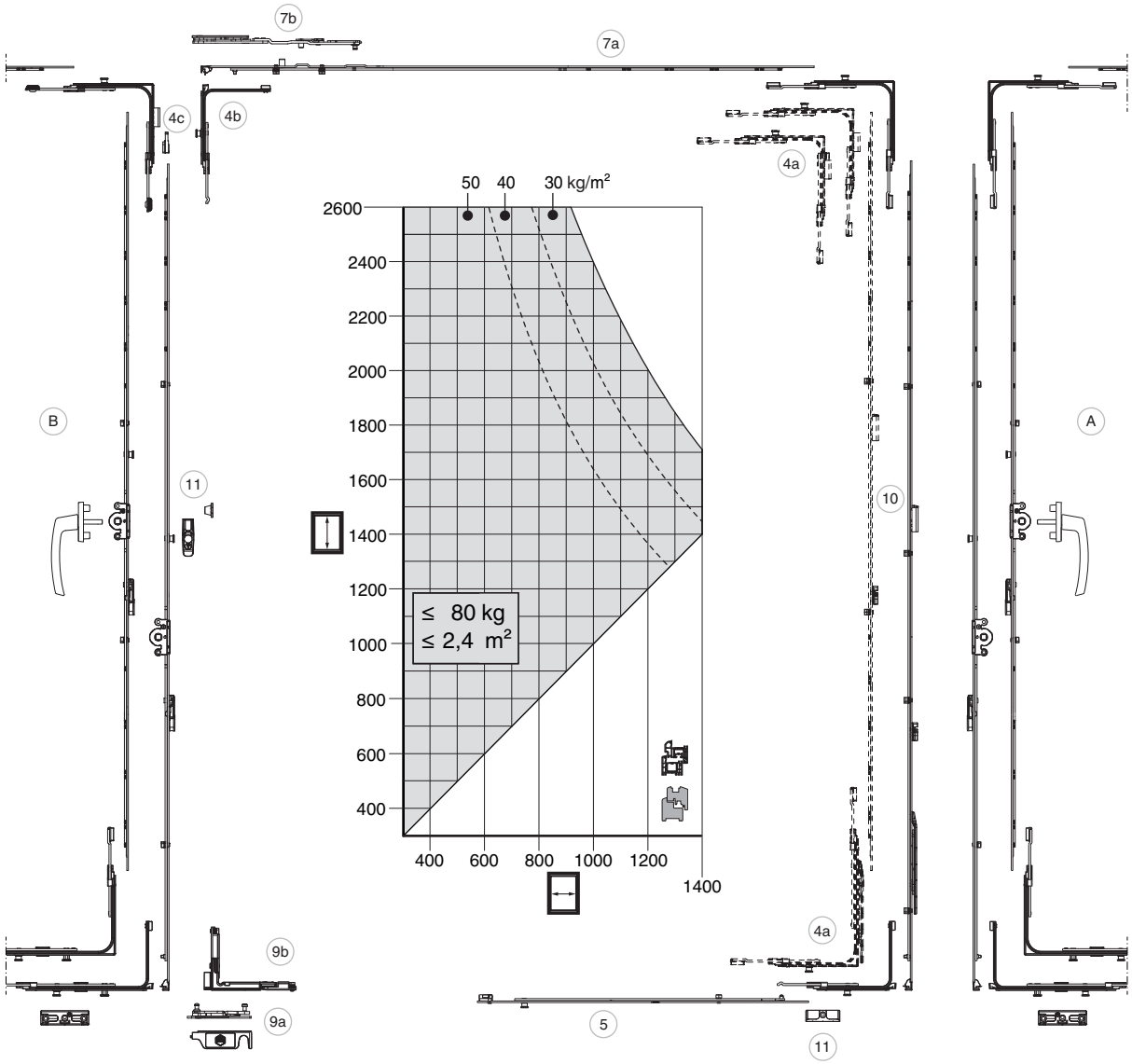
9 = Timber or PVC variant.

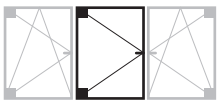
10 = French casement drive gear FHH or VHH.

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
7a	7.4.1.1	Turn-only and tilt-only hinge faceplate fixed MULTI POWER	→208
7b	7.4.1.5	Turn-only hinge arms with hinge for 3-sashed windows MULTI POWER	→209
9a	9.6.3	Pivot posts for 3-sashed windows MULTI POWER	→244
9b	9.6.4	Rebated corner supports MULTI POWER	→244
10	10.2	French casement drive gears	→261
11	11	Striker plates	→274

2.4.5.9 3-sashed rectangular turn-only window with operation lock with pivot post MULTI POWER and corner support MULTI POWER



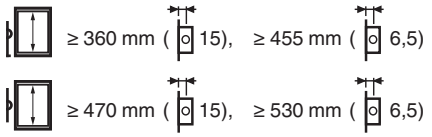




≤ 1400 x 2600 mm



≥ 465 mm

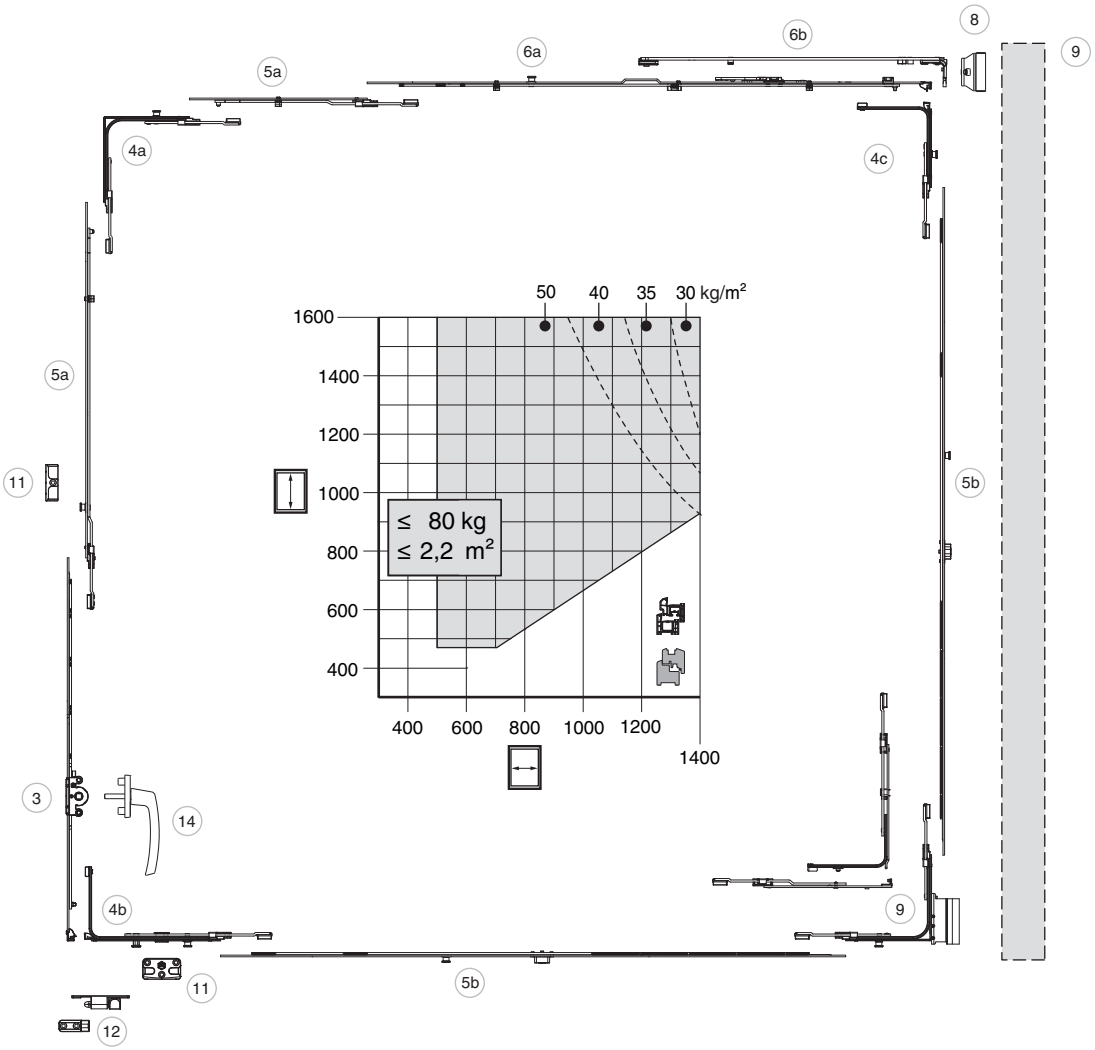


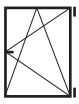
A = For details refer to 1-sashed turn-only or turn&tilt window.
B = For details refer to 1-sashed turn-only or turn&tilt window.
5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!
7b = Timber or PVC variant.
9 = Timber or PVC variant.
10 = French casement drive gear FHH or VHH.
11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

		Selection guide	Page
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
4c	4.10.10	Insert as operation lock for corner element for 3-sashed elements	→179
5	5.1	Centre locks FHH i.S.	→182
7a	7.4.1.2	Turn-only hinge faceplates croppable MULTI POWER	→208
7b	7.4.1.5	Turn-only hinge arms with hinge for 3-sashed windows MULTI POWER	→209
9a	9.6.3	Pivot posts for 3-sashed windows MULTI POWER	→244
9b	9.6.4	Rebated corner supports MULTI POWER	→244
10	10.2	French casement drive gears	→261
11	11	Striker plates	→274

2.4.6 COMFORT

2.4.6.1 1-sashed rectangular T&T window with comfort scissor stay, vertical handle position







≤ 1400 x 1600 mm



≥ 600 mm



≥ 500 mm



≥ 470 mm

9 = Refer to matrix pivot posts PVC and timber for possible bearing types.

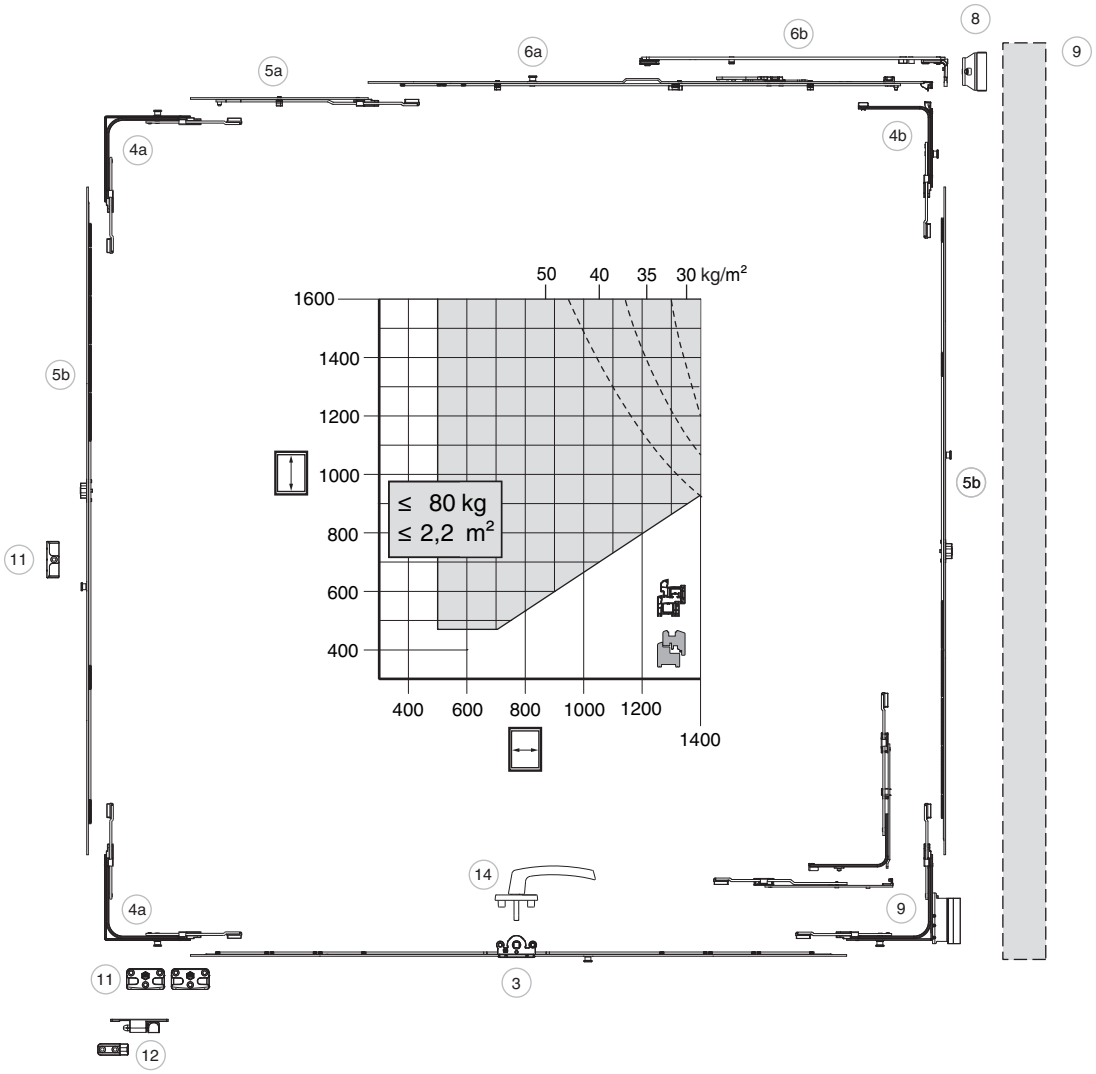
11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

12 = Mandatory installation of turn lock.

14 = SKB handle (refer to EMOTION catalogue).

		Selection guide	Page
3	3.2.1.1	Turn-only drive gears BS 15 FHH i.S.	→155
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.2	Corner elements horizontal i.S.	→172
4c	4.1.3	Corner elements vertical i.S.	→173
5a	5.2	Centre locks extendable i.S.	→182
5b	5.20	Width connectors SKB-S/SE	→186
6a	6.4.1	Scissor stay faceplates for comfort scissor stay	→199
6b	6.4.2	Rebated scissor stay arms for comfort scissor stay	→199
8	8	Scissor stay hinges	→220
9	9.1	Matrix for pivot posts and corner supports	→228
11	11	Striker plates	→274
12	12.3	Self-catching turn locks	→296

2.4.6.2 1-sashed rectangular T&T window with comfort scissor stay, horizontal handle position



≤ 1400 x 1600 mm

≥ 600 mm

≥ 500 mm

≥ 470 mm

9 = Refer to matrix pivot posts PVC and timber for possible bearing types.

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

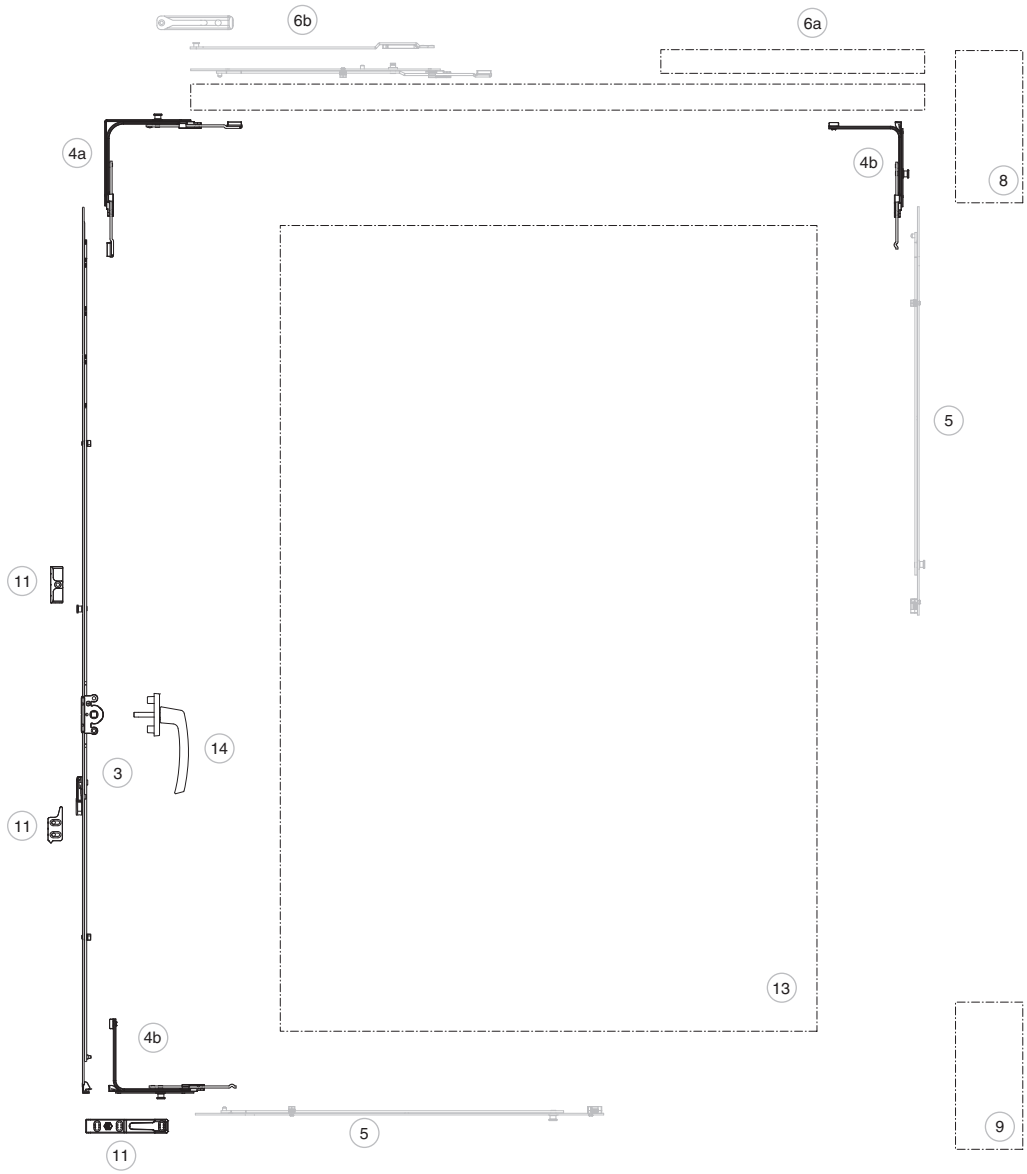
12 = Mandatory installation of turn lock.

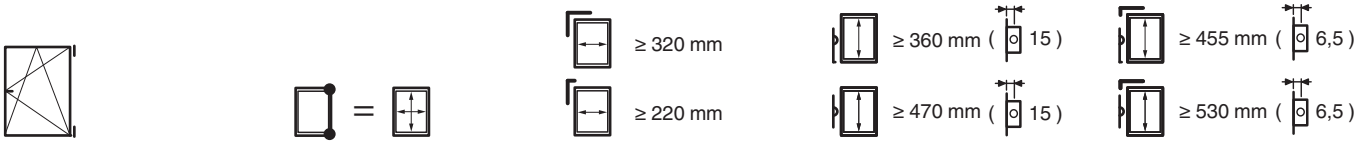
14 = SKB handle (refer to EMOTION catalogue).

		Selection guide	Page
3	3.2.1.6	Turn-only drive gears BS 15 VHH i.S.	→156
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
5a	5.2	Centre locks extendable i.S.	→182
5b	5.20	Width connectors SKB-S/SE	→186
6a	6.4.1	Scissor stay faceplates for comfort scissor stay	→199
6b	6.4.2	Rebated scissor stay arms for comfort scissor stay	→199
8	8	Scissor stay hinges	→220
9	9.1	Matrix for pivot posts and corner supports	→228
11	11	Striker plates	→274
12	12.3	Self-catching turn locks	→296

2.4.7 Central locking system for tilt-first window

2.4.7.1 1-sashed rectangular tilt-first window with drive-gear FHH





3 = Drive gears BS 15 or 6.5. Recommendation: Handle height should be between 1/3 and 1/2 of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

6a = Rebated scissor stay or scissor stay faceplate and scissor stay arm according to used hinge side. For hinge sides MULTI MAMMUT not possible!

6b = For stabilizing scissor stay refer to turn&tilt hardware overview according to corresponding hinge side.

8 = Scissor stay hinge according to used hinge side.

9 = For possible pivot post combinations refer to matrix. For hinge sides MULTI MAMMUT not possible!

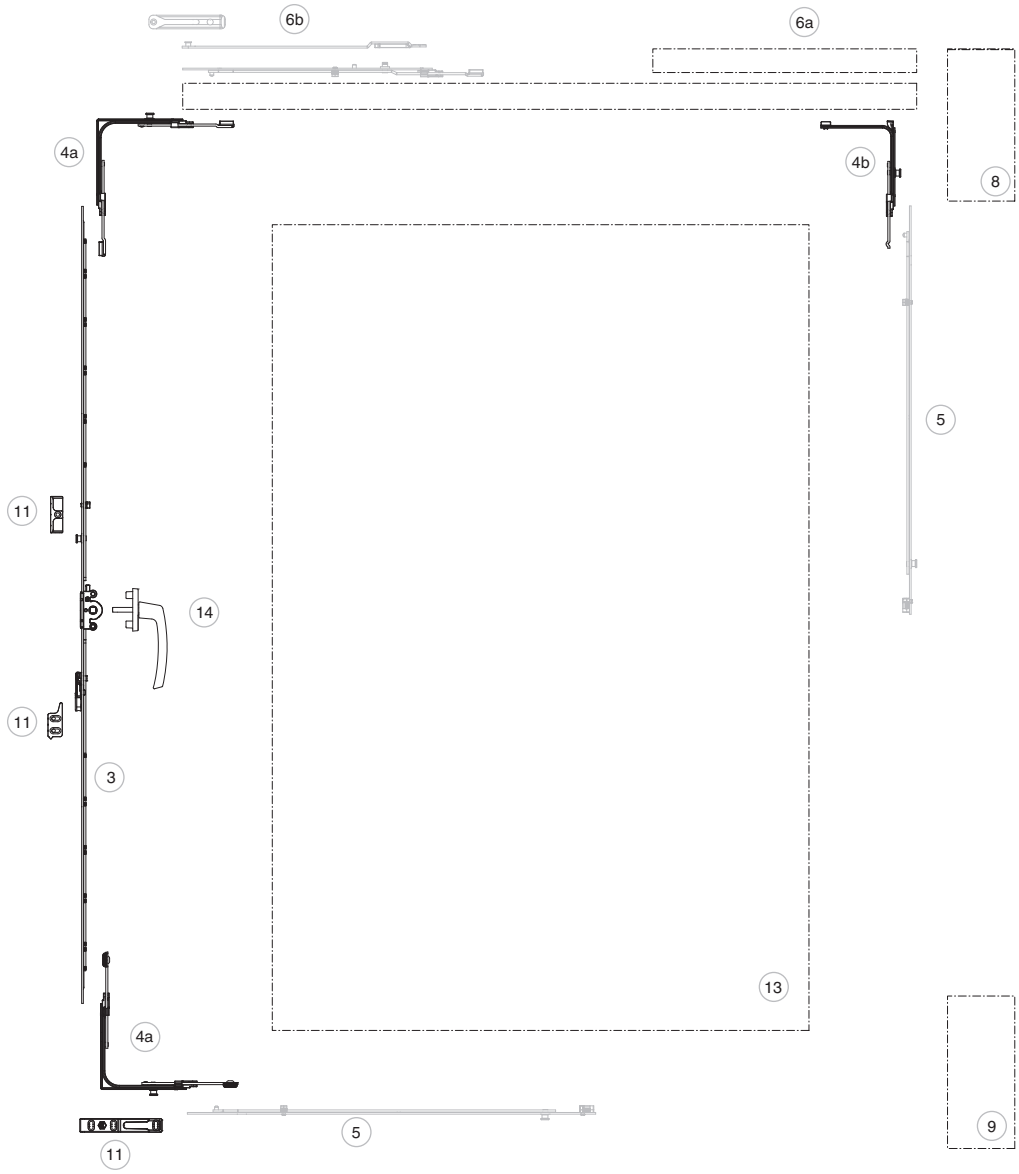
11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

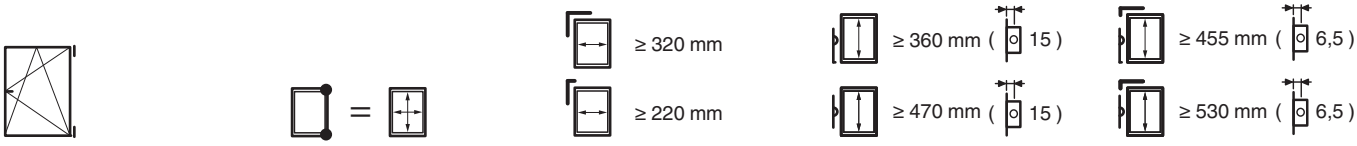
13 = Application diagram according to used hinge side.

14 = Tilt before turn handle (refer to EMOTION catalogue).

		Selection guide	Page
3	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.1	Rebated scissor stays	→190
6b	6.8.3	Stabilizing scissor stays for tilt-first windows	→201
8	8	Scissor stay hinges	→220
9	9	Pivot posts	→228
11	11	Striker plates	→274

2.4.7.2 1-sashed rectangular tilt-first window with drive-gear VHH





3 = Drive gears BS 15 or 6.5. Recommendation: Handle height should be between 1/3 and 1/2 of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

6a = Rebated scissor stay or scissor stay faceplate and scissor stay arm according to used hinge side. For hinge sides MULTI MAMMUT not possible!

6b = For stabilizing scissor stay refer to turn&tilt hardware overview according to corresponding hinge side.

8 = Scissor stay hinge according to used hinge side.

9 = For possible pivot post combinations refer to matrix. For hinge sides MULTI MAMMUT not possible!

11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

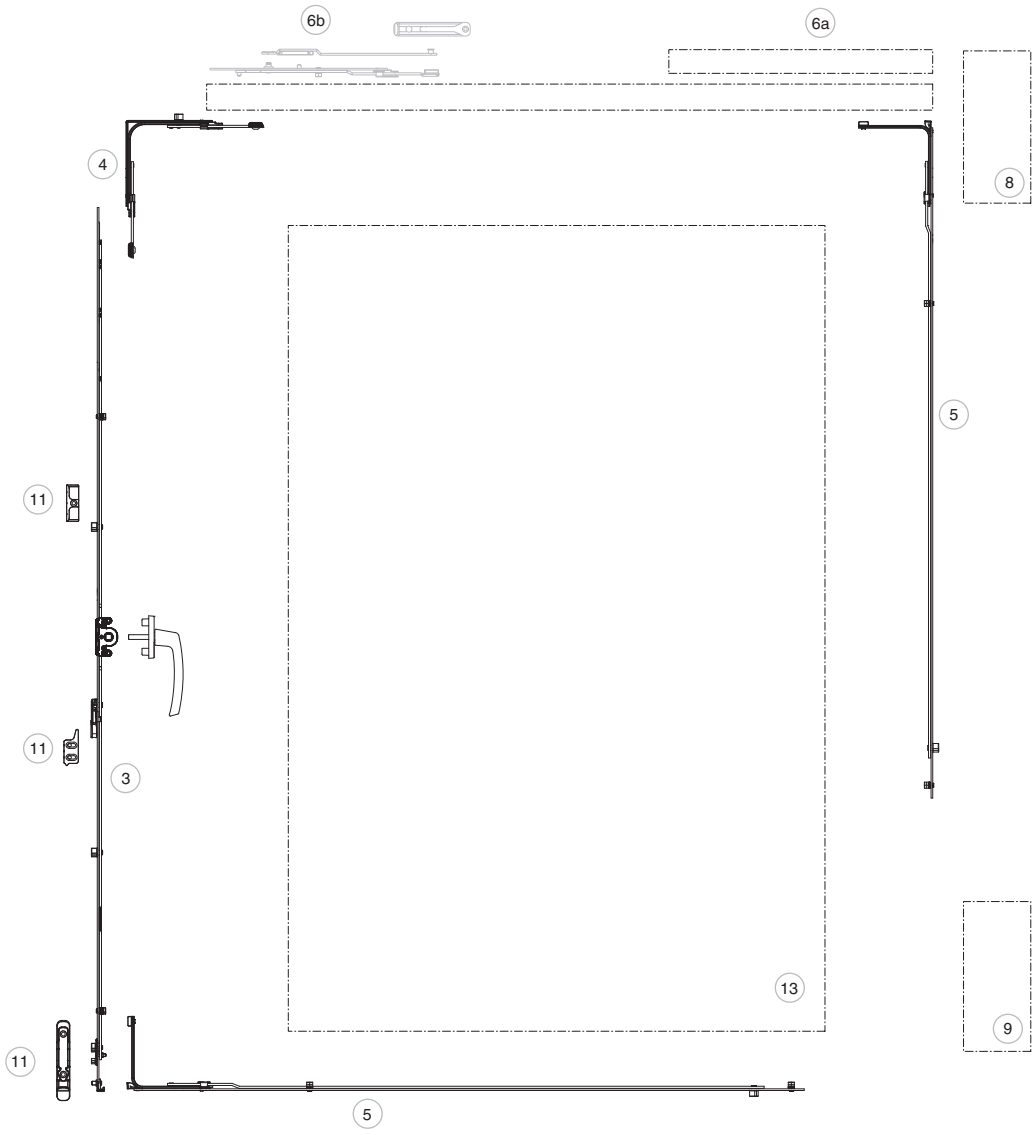
13 = Application diagram according to used hinge side.

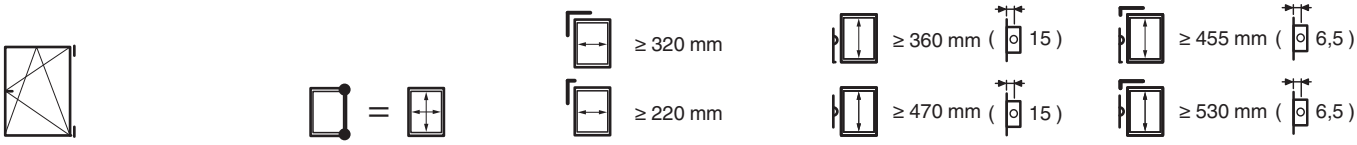
14 = Tilt before turn handle (refer to EMOTION catalogue).

		Selection guide	Page
3	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.1	Rebated scissor stays	→190
6b	6.8.3	Stabilizing scissor stays for tilt-first windows	→201
8	8	Scissor stay hinges	→220
9	9	Pivot posts	→228
11	11	Striker plates	→274

2.4.8 Central locking system for MM-KS (with tilt lock bolt)

2.4.8.1 1-sashed rectangular T&T window with drive-gear FHH





3 = Drive gears BS 15 or 6.5. Recommendation: Handle height should be between 1/3 and 1/2 of sash rebate height (SRH).

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

6b = Stabilizing scissor stay necessary from 1,301 mm (dark shading in application range diagram).

8 = Scissor stay hinge according to used hinge side.

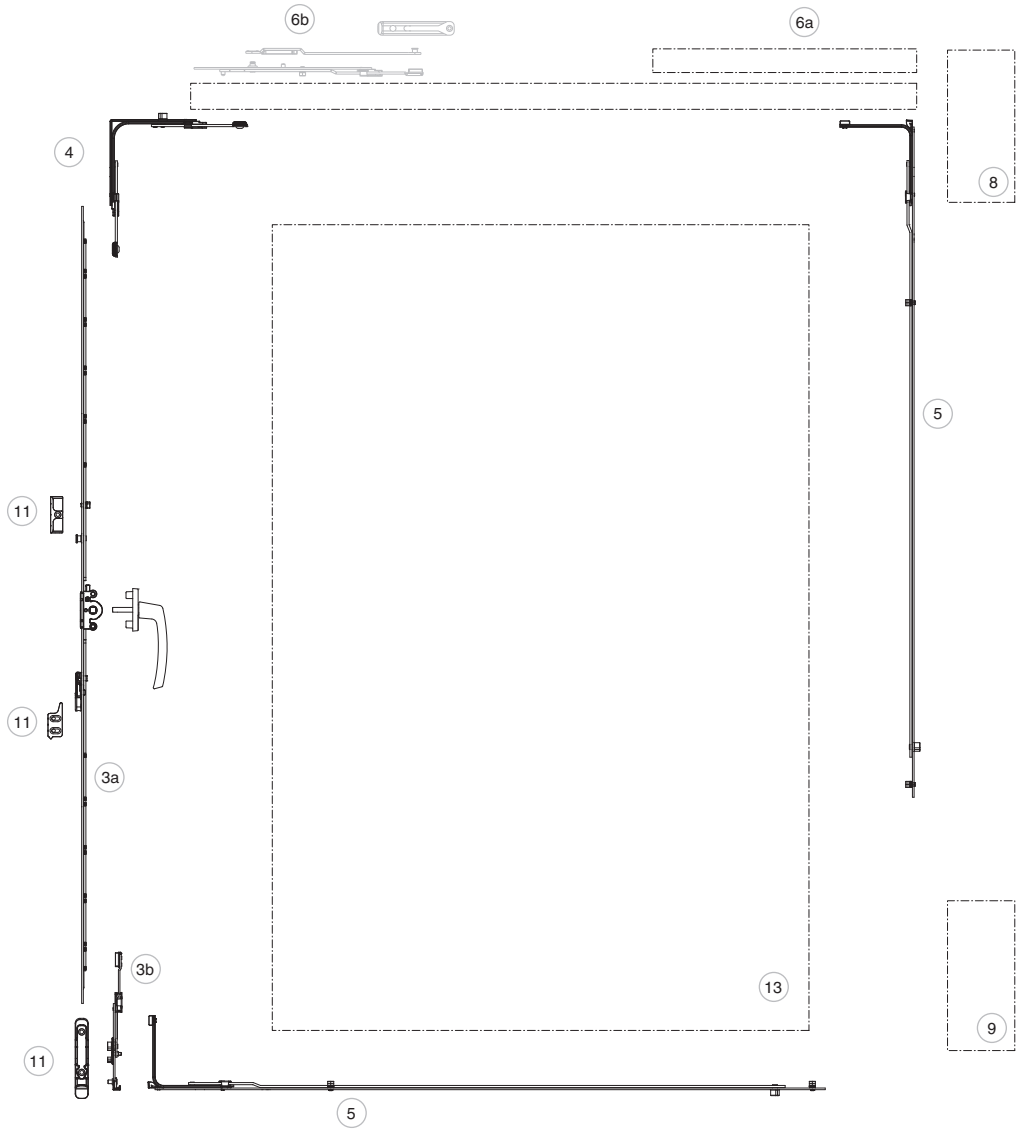
9 = For possible pivot post combinations refer to matrix.

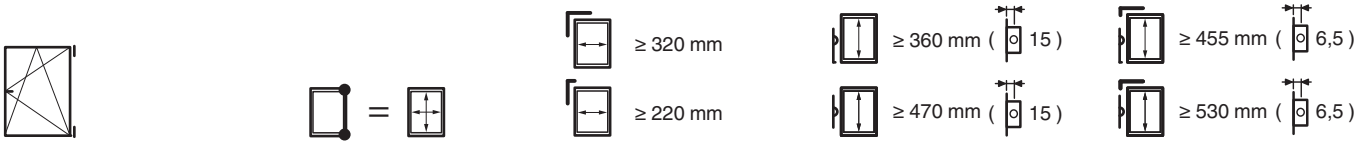
11 = Refer to profile data sheets for striker plates, sash lifters and tilt striker plates for PVC.

13 = Application diagram according to used hinge side.

		Selection guide	Page
3	3.1.1.3	T&T drive gears BS 15 FHH VZ with tilt lock bolt	→145
4	4.2	Corner elements VZ	→174
5	5.7	Centre locks single piece VZ	→183
6a	6.1.10	Rebated scissor stays VZ	→193
6b	6.8.1	Stabilizing scissor stays	→201
8	8	Scissor stay hinges	→220
9	9	Pivot posts	→228
11	11	Striker plates	→274

2.4.8.2 1-sashed rectangular T&T window with drive-gear VHH



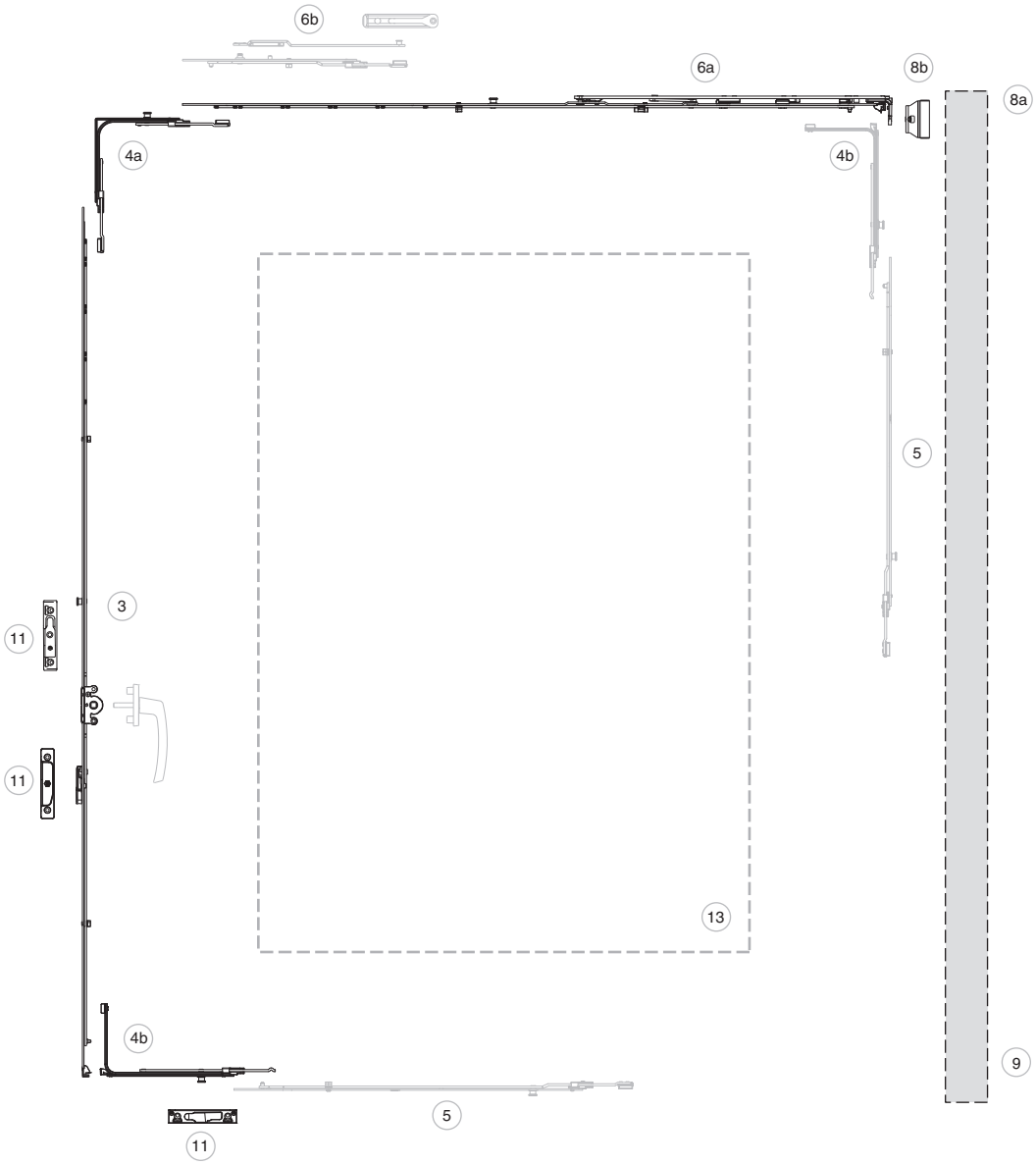


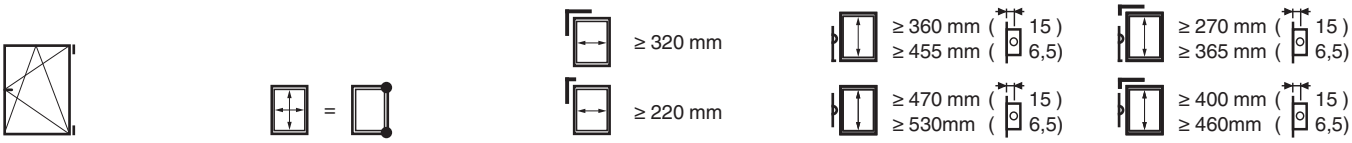
3a = Drive gears BS 15 or 6.5. Recommendation: Handle height should be between 1/3 and 1/2 of sash rebate height (SRH).
5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!
6b = Stabilizing scissor stay necessary from 1,301 mm (dark shading in application range diagram).
8 = Scissor stay hinge according to used hinge side.
9 = For possible pivot post combinations refer to matrix.
11 = Refer to profile data sheets for striker plates, sash lifters and tilt striker plates for PVC.
13 = Application diagram according to used hinge side.

		Selection guide	Page
3a	3.1.1.10	T&T drive gears BS 15 VHH VZ	→146
3b	3.5.4	End pieces with tilt lock bolt	→167
4	4.2	Corner elements VZ	→174
5	5.7	Centre locks single piece VZ	→183
6a	6.1.10	Rebated scissor stays VZ	→193
6b	6.8.1	Stabilizing scissor stays	→201
8	8	Scissor stay hinges	→220
9	9	Pivot posts	→228
11	11	Striker plates	→274

2.4.9 Central locking system for 4 mm air gap

2.4.9.1 1-sashed rectangular T&T window with drive-gear FHH





3 = Drive gear backset 15, backset 6.5 or special backset. Recommendation: Handle height should be between 1/3 and 1/2 of sash rebate height (SRH).

4b = Item no. 222208 can be used also for installation position scissor stay hinge, except for scissor stay hinge DT and routed scissor stay hinge.

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

6a = Rebated scissor stay with or without night-vent (for hinge sides PVC, AS, DT130, DT160) respectively scissor stay MULTI MAMMUT or MULTI POWER.

6b = Stabilizing scissor stay according to hinge side (dark shaded area in the diagram).

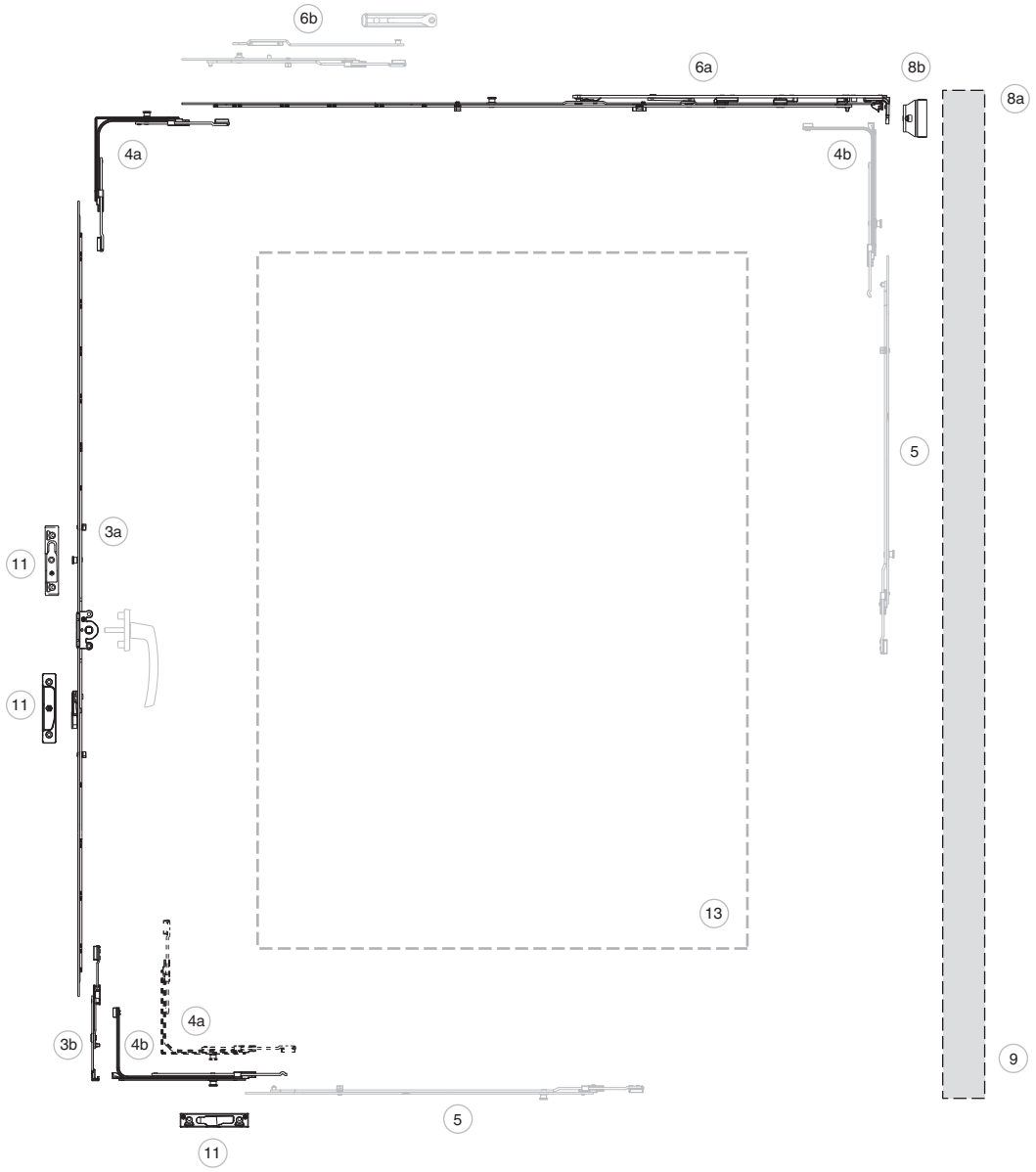
8 = For scissor stay hinge and rebated scissor stay support arm refer to hinge side.

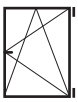
9 = For pivot post refer to hinge side.

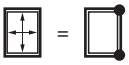
13 = Application diagram according to used hinge side.

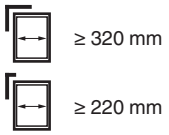
		Selection guide	Page
3	3.1.1.1	T&T drive gears BS 15 FHH i.S.	→144
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
5	5.1	Centre locks FHH i.S.	→182
6a	6.1	Rebated scissor stays	→190
6b	6.8.1	Stabilizing scissor stays	→201
8a	8.5.1	Scissor stay hinges DT130	→222
8b	8.5.3	Rebated scissor stay support arms DTuni	→223
9	9.4	Pivot posts DT	→237
11	11.1.1	Striker plates 4 mm air gap	→274

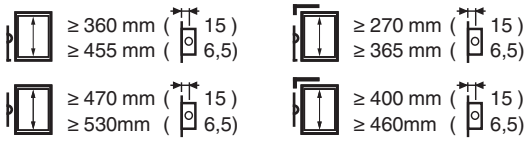
2.4.9.2 1-sashed rectangular T&T window with drive-gear VHH











3 = Drive gear backset 15, backset 6.5 or special backset. Recommendation: Handle height should be between 1/3 and 1/2 of sash rebate height (SRH).

4b = Item no. 222208 can be used also for installation position scissor stay hinge, except for scissor stay hinge DT and routed scissor stay hinge.

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

6a = Rebated scissor stay with or without night-vent (for hinge sides PVC, AS, DT130, DT160) respectively scissor stay MULTI MAMMUT or MULTI POWER.

6b = Stabilizing scissor stay according to hinge side (dark shaded area in the diagram).

8 = For scissor stay hinge and rebated scissor stay support arm refer to hinge side.

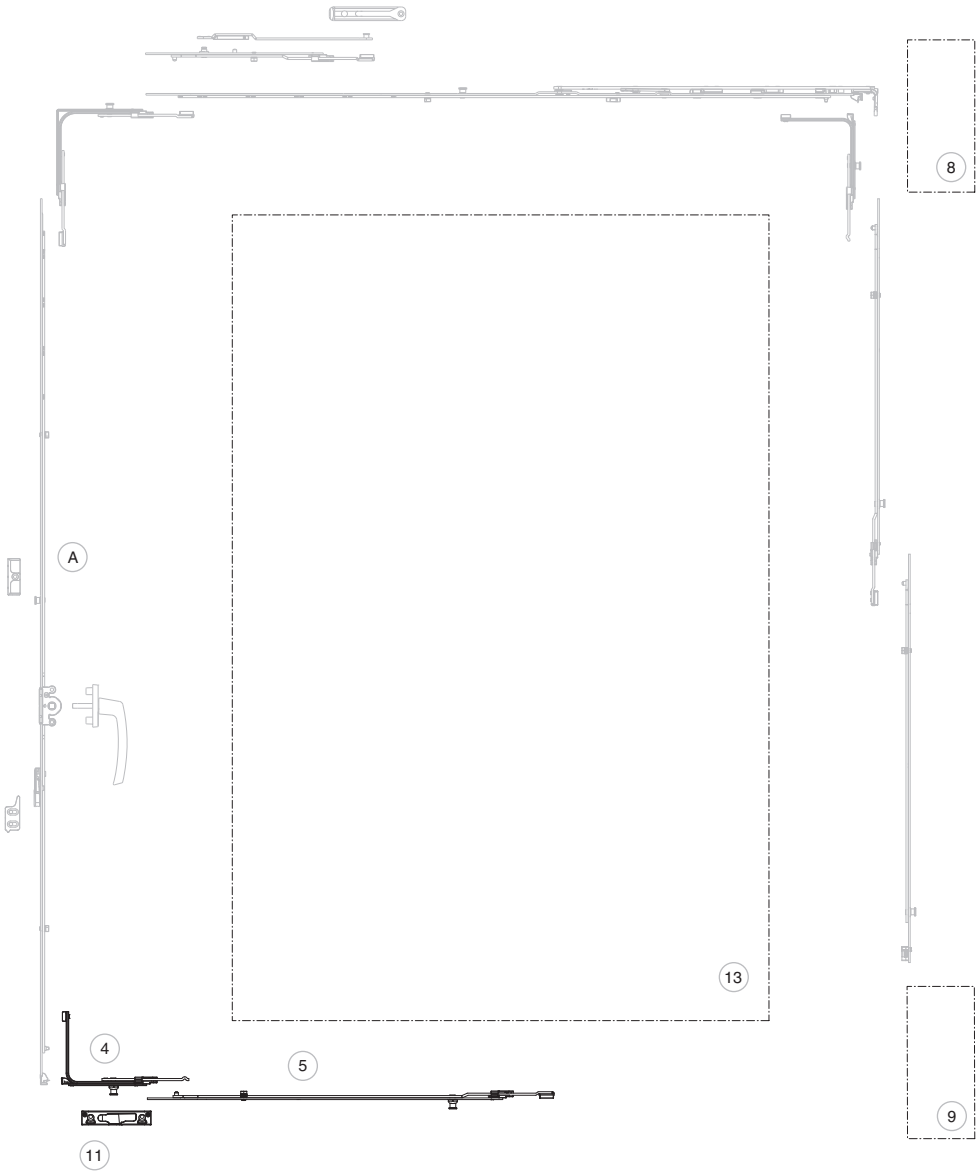
9 = For pivot post refer to hinge side.

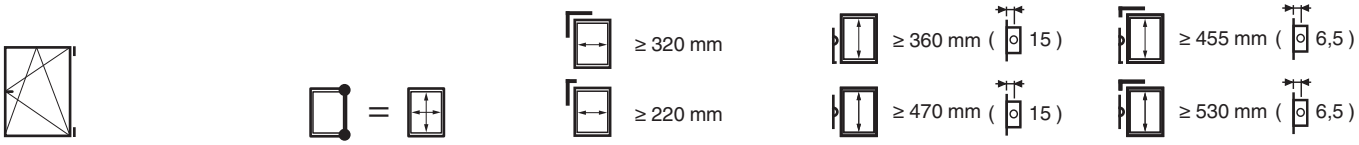
13 = Application diagram according to used hinge side.

		Selection guide	Page
3a	3.1.1.9	T&T drive gears BS 15 VHH i.S.	→146
3b	3.5.4	End pieces with tilt lock bolt	→167
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5	5.1	Centre locks FHH i.S.	→182
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11	11.1.1	Striker plates 4 mm air gap	→274

2.4.10 Central locking system for threshold

2.4.10.1 1-sashed rectangular T&T casement door with drive-gear FHH

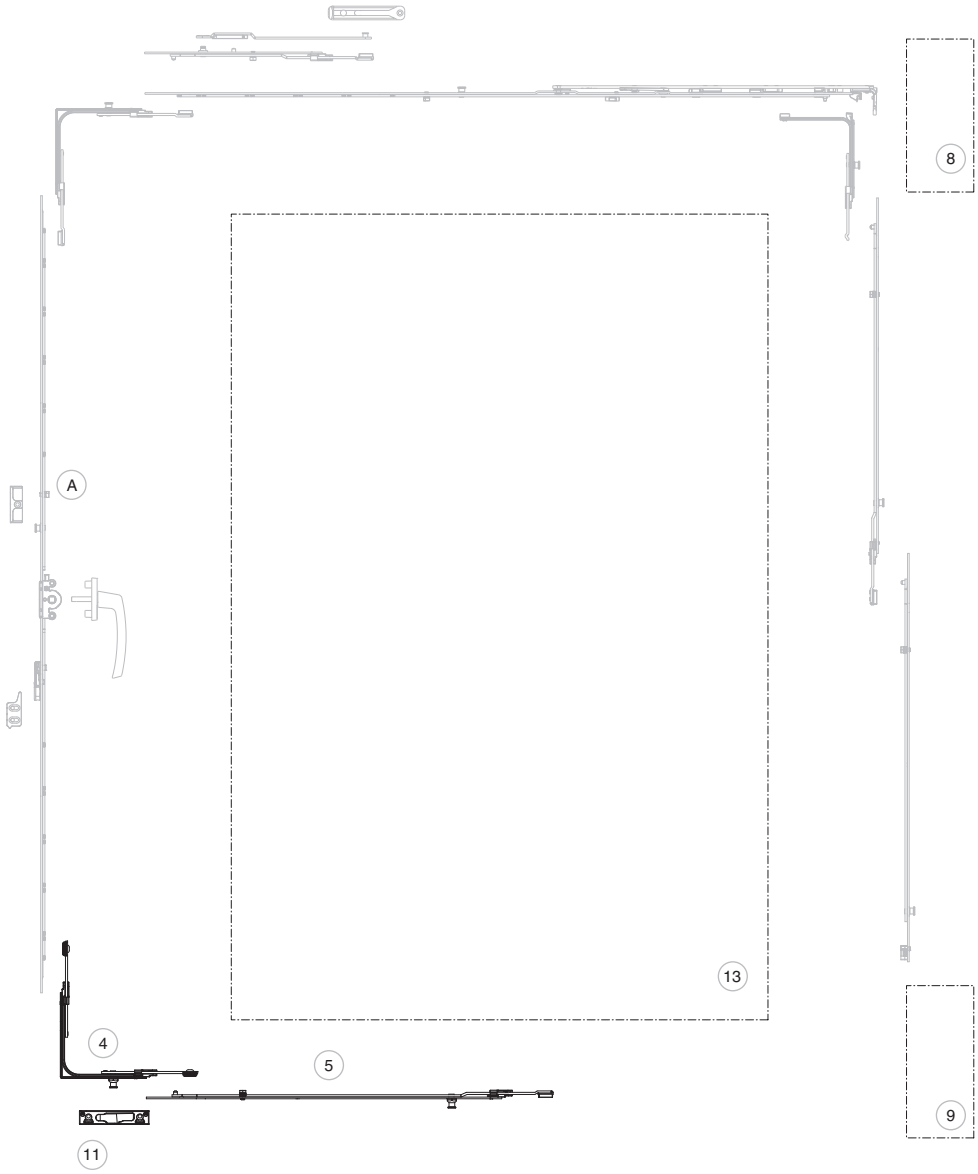


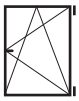


A = Central locking system.
8 = Scissor stay hinge according to used hinge side.
9 = For possible pivot post combinations refer to matrix.
11 = Refer to profile data sheets for tilt striker plate.
13 = Application diagram according to used hinge side.

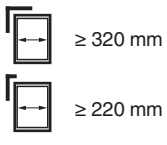
		Selection guide	Page
4	4.8	Corner element for threshold 14 mm air gap	→177
5	5.15	Centre locks for threshold 14 mm air gap	→186
8	8	Scissor stay hinges	→220
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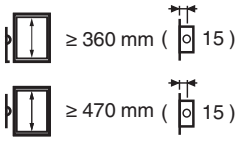
2.4.10.2 1-sashed rectangular T&T casement door with drive-gear VHH

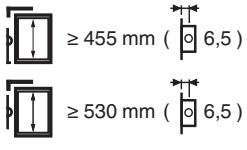










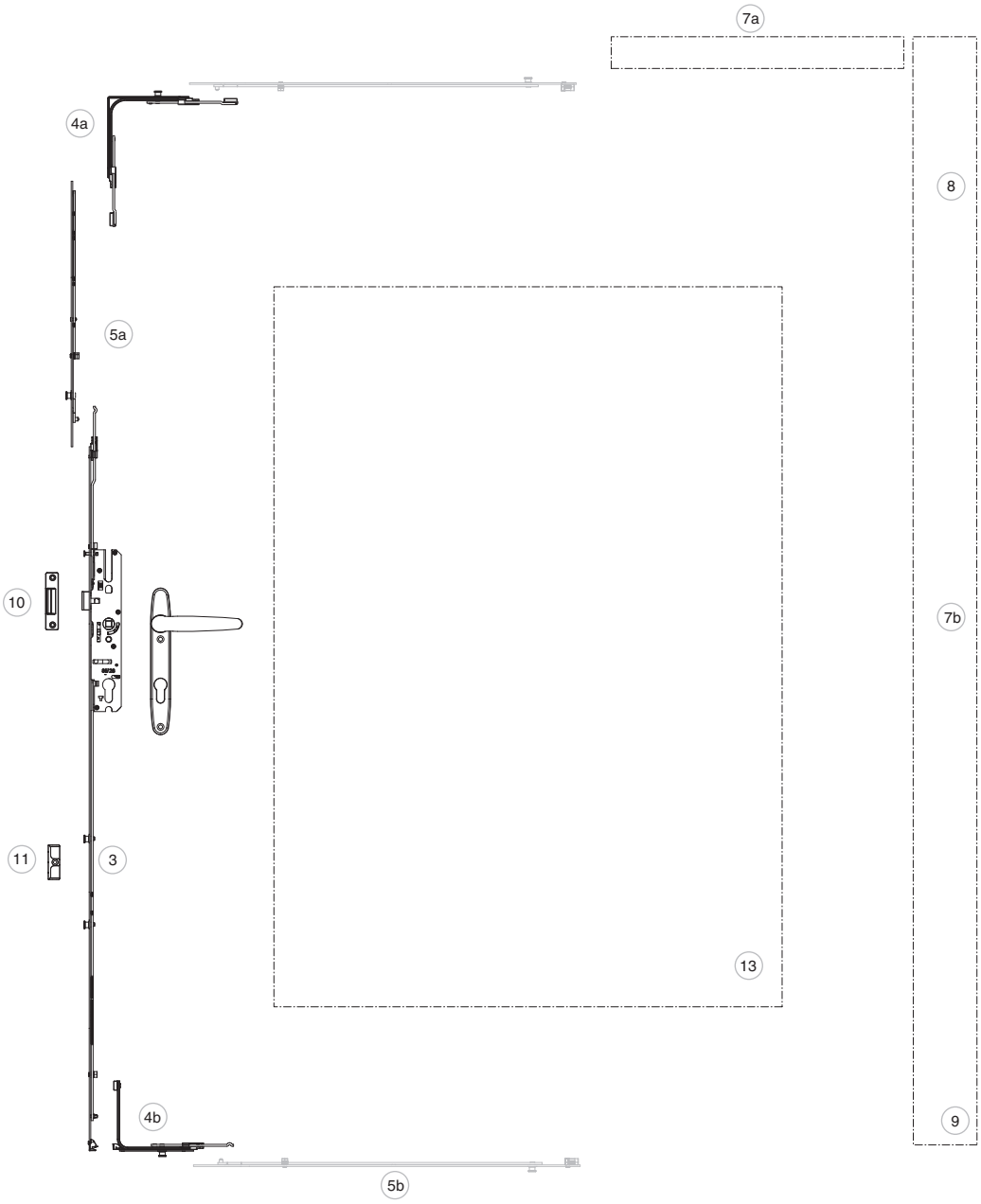


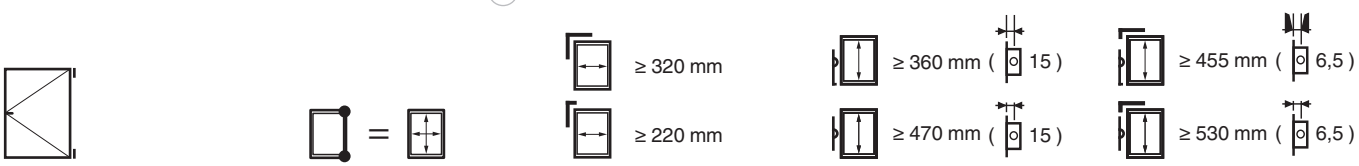
A = Central locking system.
8 = Scissor stay hinge according to used hinge side.
9 = For possible pivot post combinations refer to matrix.
11 = Refer to profile data sheets for tilt striker plate.
13 = Application diagram according to used hinge side.

		Selection guide	Page
4	4.8	Corner element for threshold 14 mm air gap	→177
5	5.15	Centre locks for threshold 14 mm air gap	→186
8	8	Scissor stay hinges	→220
9	9	Pivot posts	→228

2.4.11 Central locking system for B-TV

2.4.11.1 1-sashed rectangular turn-only casement door





3 = Balcony door lock B-TV E85 with PC, E92 with PC or E94 with RC.

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7a = Refer to turn hardware overview for turn-only hinge - sash part fixed or croppable.

7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

8 = Scissor stay hinge according to used hinge side.

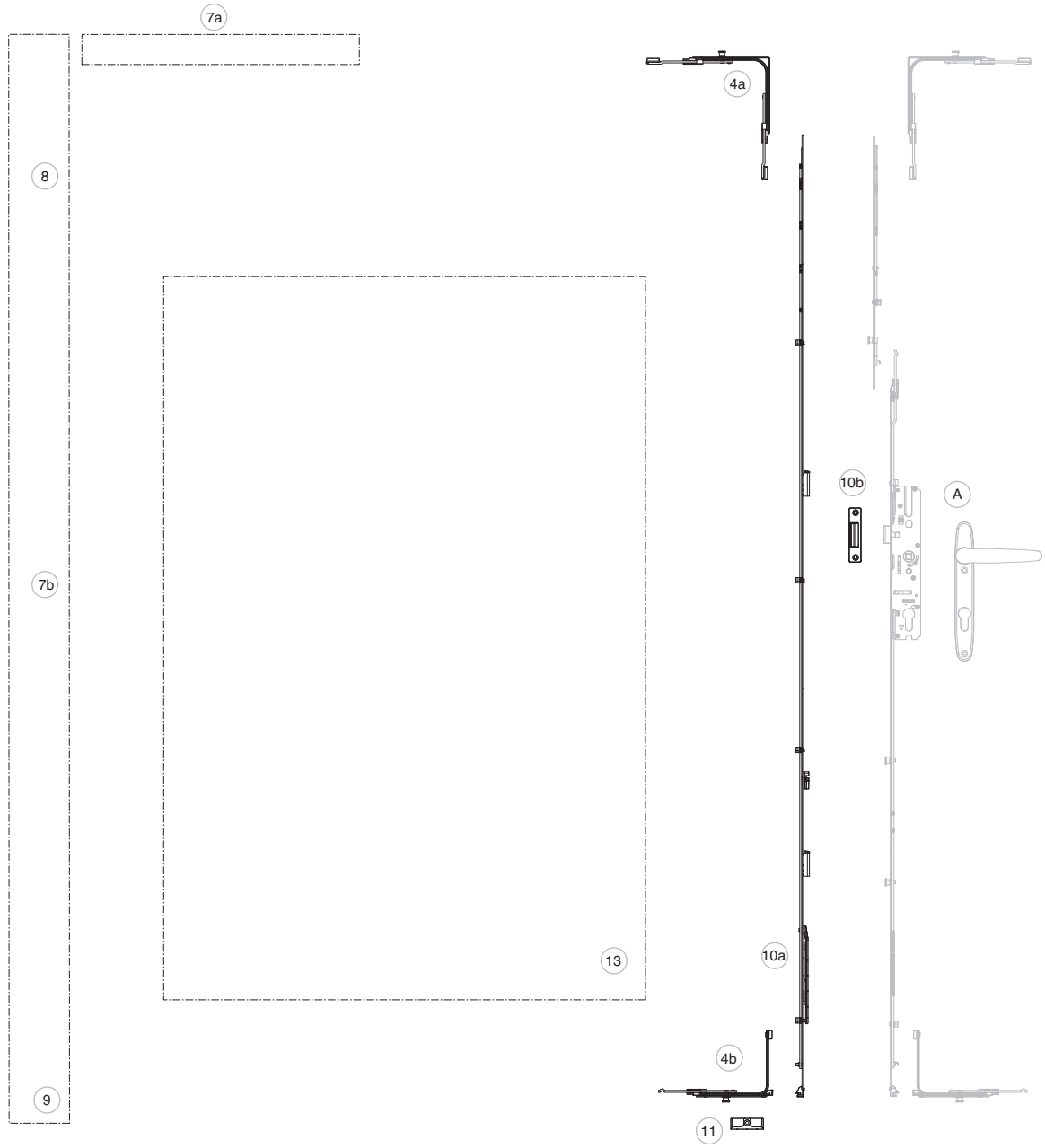
9 = For possible pivot post combinations refer to matrix.

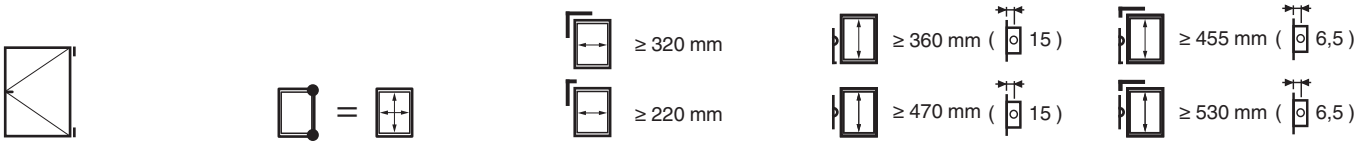
11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

13 = Application diagram according to used hinge side.

		Selection guide	Page
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9	9	Pivot posts	→228
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2.4.11.2 2-sashed rectangular turn-only casement door with French casement drive gear





A = For details refer to 1-sashed turn-only balcony door B-TV.

5 = Above 800 mm (PVC) or 1,000 mm (timber); Observe details from profile manufacturer!

7a = Refer to turn hardware overview for turn-only hinge - sash part fixed or croppable.

7b = 1 piece 800 - 1,600 mm, 2 pieces 1,601 - 2,400 mm, 3 pieces 2,401 - 2,650 mm; Observe details from profile manufacturer!

8 = Scissor stay hinge according to used hinge side.

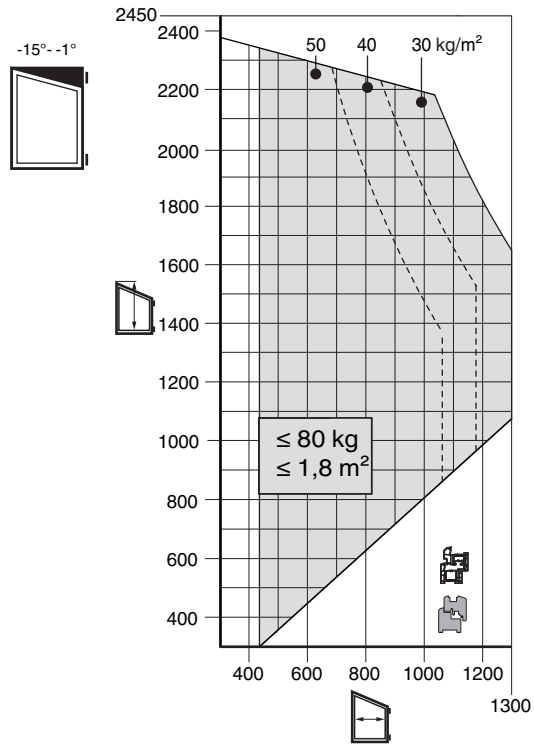
9 = For possible pivot post combinations refer to matrix.

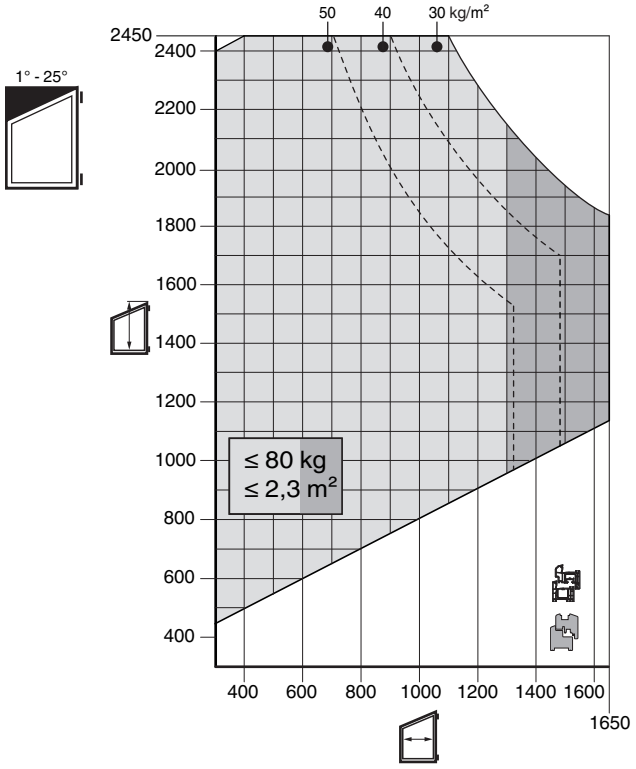
11 = Refer to profile data sheets for striker plates and sash lifters for PVC.

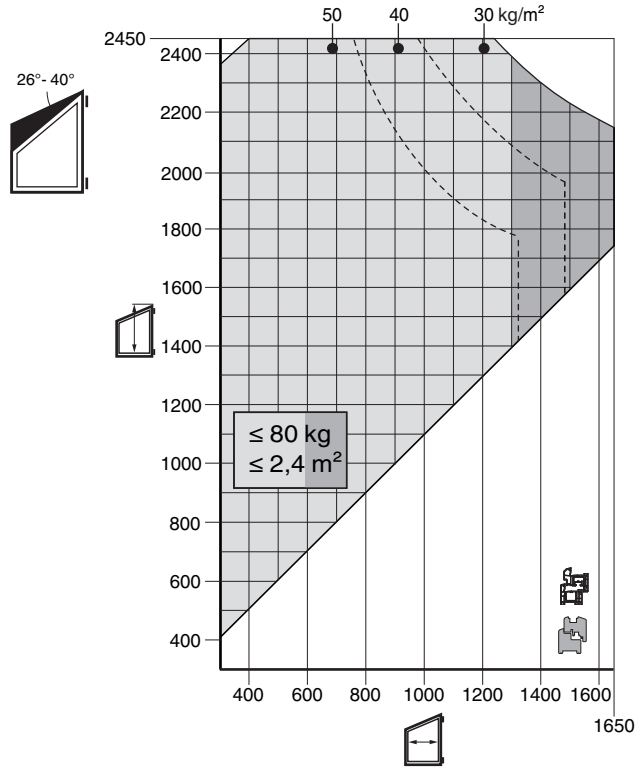
13 = Application diagram according to used hinge side.

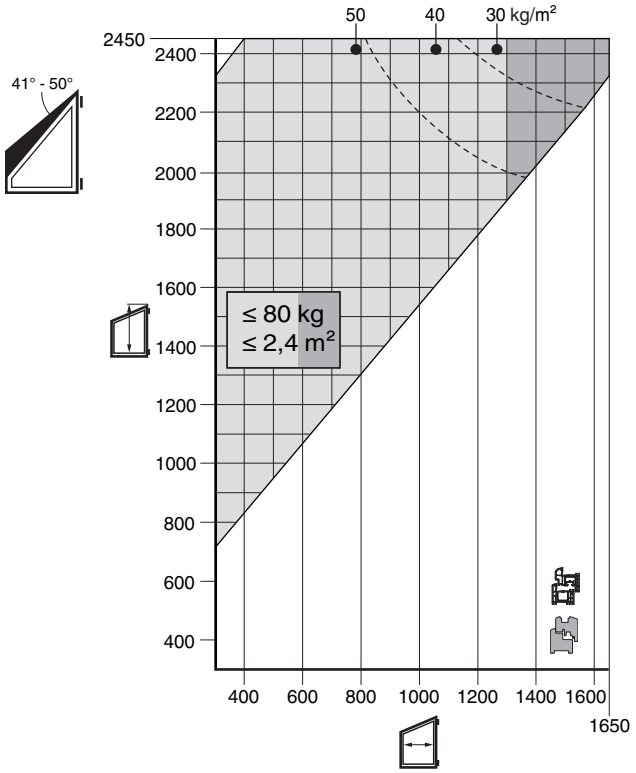
		Selection guide	Page
4a	4.1.1	Corner elements standard i.S.	→172
4b	4.1.3	Corner elements vertical i.S.	→173
7a	7.1	Turn-only hinges - sash part AS/DTuni/PVC	→204
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3 Drive gears

3.1 T&T drive gears

3.1.1 T&T drive gears BS 15

201734 

3.1.1.1 T&T drive gears BS 15 FHH i.S.

									№	№ Tricoat
silver		430	15	0	125	360 - 430	-	20	**201730**[1]	**233645**[1]
		660	15	0	190	431 - 660	1	20	**201732**[1]	**233646**[1]
		840	15	1	300	661 - 840	1	20	**201733**	**233647**
		1090	15	1	400	841 - 1.090	1	20	**201734**	**233648**
		1340	15	1	500	1.091 - 1.340	1	10	**201735**	**233649**
		1590	15	2	600	1.341 - 1.590	1	10	**201739**	**233650**
		1700	15	2	700	1.591 - 1.700	1	10	**207301**	**233651**
		1950	15	3	1.050	1.701 - 1.950	1	10	**201740**	**233652**
		2200	15	3	1.050	1.951 - 2.200	1	10	**201741**	**233653**
		2450	15	4	1.050	2.201 - 2.450	1	10	**201742**	**233654**
	with door catch	1950	15	3	1.050	1.701 - 1.950	1	10	**201842**	
		2200	15	3	1.050	1.951 - 2.200	1	10	**201843**	**233846**
		2450	15	4	1.050	2.201 - 2.450	1	10	**201844**	

[1] To fasten faceplate use faceplate restrainer item no. 213287.

209373 

3.1.1.2 T&T drive gears BS 15 FHH i.S. with tilt lock bolt

									№	№ Tricoat
silver		430	15	0	125	360 - 430	-	20	**209370**[1]	**233847**[1]
		660	15	0	190	431 - 660	-	20	**209371**[1]	**233848**[1]
		840	15	1	300	661 - 840	1	20	**209372**	**233849**
		1090	15	1	400	841 - 1.090	1	20	**209373**	**233850**
		1340	15	1	500	1.091 - 1.340	1	20	**209375**	**233852**
		1590	15	2	600	1.341 - 1.590	1	20	**209377**	**233854**
		1700	15	2	700	1.591 - 1.700	1	10	**209379**	**233856**
		1950	15	3	1.050	1.701 - 1.950	1	10	**209383**	**233858**
		2200	15	3	1.050	1.951 - 2.200	1	10	**209385**	**233859**
		2450	15	4	1.050	2.201 - 2.450	1	10	**209387**	**233890**
	with door catch	1950	15	3	1.050	1.701 - 1.950	1	10	**209382**	
		2200	15	3	1.050	1.951 - 2.200	1	10	**209384**	
		2450	15	4	1.050	2.201 - 2.450	1	10	**209386**	

[1] To fasten faceplate use faceplate restrainer item no. 213287.

212120 

3.1.1.3 T&T drive gears BS 15 FHH VZ with tilt lock bolt

									№	№ Tricoat
silver		430	15	0	125	360 - 430	-	20	**209370**[1]	**233847**[1]
		660	15	0	190	431 - 660	-	20	**209371**[1]	**233848**[1]
		840	15	1	300	661 - 840	1	20	**212118**	
		1090	15	1	400	841 - 1.090	1	20	**212120**	
		1340	15	1	500	1.091 - 1.340	1	20	**212122**	
		1590	15	2	600	1.341 - 1.590	1	20	**212124**	
		1700	15	2	700	1.591 - 1.700	1	10	**212126**	
		1950	15	3	1.050	1.701 - 1.950	1	10	**212128**	
		2200	15	3	1.050	1.951 - 2.200	1	10	**212131**	
		2450	15	4	1.050	2.201 - 2.450	1	10	**212134**	
	with door catch	1950	15	3	1.050	1.701 - 1.950	1	10	**212129**	
		2200	15	3	1.050	1.951 - 2.200	1	10	**212132**	
		2450	15	4	1.050	2.201 - 2.450	1	10	**212135**	

[1] To fasten faceplate use faceplate restrainer item no. 213287.

201737 

3.1.1.4 T&T drive gears EH BS 15 FHH i.S.

								№	№ Tricoat
silver	660	15	1	190	431 - 660	-	10	**206986**[1,2]	**233655**[1,2]
			2	190	510 - 660	-	10	**214441**[1,2]	
	840	15	2	300	661 - 840	1	20	**201736**[2]	**233656**[2]
	1090	15	2	400	841 - 1.090	1	20	**201737**[2]	**233657**[2]
	1340	15	2	500	1.091 - 1.340	1	10	**201738**[2]	**233658**[2]
	1590	15	3	600	1.341 - 1.590	1	10	**206847**[2]	**233659**[2]
	1700	15	3	700	1.591 - 1.700	1	10	**207303**[2,3]	**233660**[2,3]

[1] To fasten faceplate use faceplate restrainer item no. 213287.
[2] For burglar-resistant windows according to standard EN 1627.
[3] Above SRH 1700 mm use T&T drive gear BS 15 FHH i.S. and crop at 170 mm notch. Then extend with bottom end piece EH item no. 205644.

227863 

227865 

3.1.1.5 T&T drive gears ESH BS 15 FHH i.S.

								№	№ Tricoat
silver	660	15	1	190	431 - 660	-	10	**227863**[1]	
			2	190	510 - 660	-	10	**227864**[1]	
	840	15	2	300	661 - 840	1	20	**227865**	
	1090	15	2	300	841 - 1.090	1	20	**227866**	
				400	841 - 1.090	1	20	**227867**	
	1340	15	2	400	1.091 - 1.340	1	10	**227868**	
				500	1.091 - 1.340	1	10	**227869**	
	1590	15	2	500	1.341 - 1.590	1	10	**227870**	
			3	600	1.341 - 1.590	1	10	**227871**	
	1700	15	3	600	1.591 - 1.700	1	10	**227872**	
				700	1.591 - 1.700	1	10	**227873**	
	1950	15	3	700	1.701 - 1.950	1	10	**227874**	
with door catch	1950	15	3	1.050	1.701 - 1.950	1	10	**228320**	
	2200	15	3	1.050	1.951 - 2.200	1	10	**227876**	
	2450	15	4	1.050	2.201 - 2.450	1	10	**227877**	

[1] To fasten faceplate use faceplate restrainer item no. 213287.

209770 

3.1.1.6 T&T drive gears BS 15 FHH i.S. with offset handle position

									№	№ Tricoat
silver	1090	15	1	300	841 - 1.090	1	20	**217867**	
				500	841 - 1.090	1	20	**209770**	**233841**
	1340	15	1	400	1.091 - 1.340	1	10	**217868**	
	1590	15	2	500	1.341 - 1.590	1	10	**201745**	**233832**
	1700	15	2	500	1.591 - 1.700	1	10	**209261**	**233895**

209374 

3.1.1.7 T&T drive gears BS 15 FHH i.S. with offset handle position and tilt lock bolt

								№	№ Tricoat
silver	1090	15	1	300	841 - 1.090	1	20	**209374**	**233851**
				500	841 - 1.090	1	20	**216142**	
	1340	15	1	400	1.091 - 1.340	1	10	**209376**	**233853**
	1590	15	1	500	1.341 - 1.590	1	10	**209378**	**233855**
	1700	15	1	500	1.591 - 1.700	1	10	**209381**	**233857**

201743 

3.1.1.8 T&T drive gears EH BS 15 FHH with offset handle position

								№	№ Tricoat
silver	1090	15	2	300	841 - 1.090	1	20	**201743**[1,2]	
	1340	15	2	400	1.091 - 1.340	1	10	**201744**[1]	
	1590	15	2	500	1.341 - 1.590	1	10	**208804**[1]	
	1700	15	3	600	1.591 - 1.700	1	10	**208777**[1]	
	1950	15	3	700	1.701 - 1.950	1	10	**208786**[1]	**233845**[1]

[1] For burglar-resistant windows according to standard EN 1627.
[2] No French casement drive gear possible.

201747 

3.1.1.9 T&T drive gears BS 15 VHH i.S.

		L								№	№ Tricoat
silver	800	640	15	0	470 - 800	200	-	20	**201746**[1]	**233923**[1]
				1	590 - 800	159	1	20	**227936**[1,2]	
	1250	1.040	15	1	801 - 1.250	260	1	20	**201747**	**233924**
	1750	1.540	15	2	1.251 - 1.750	260	1	10	**201748**	**234057**
	2250	2.040	15	3	1.751 - 2.250	260	1	10	**202739**	**234058**
with door catch	2250	2.040	15	3	1.751 - 2.250	260	1	10	**201749**	

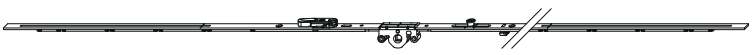
[1] To fasten faceplate use faceplate restrainer item no. 213287.
[2] At centered handle position the application range changes to 628 – 800 mm.

212156 

3.1.1.10 T&T drive gears BS 15 VHH VZ

		L							№	№ Tricoat
silver	800	640	15	0	470 - 800	200	-	20	**201746**[1]	**233923**[1]
	1250	1.040	15	1	801 - 1.250	260	1	20	**212156**	
	1350	1.140	15	1	901 - 1.350	260	1	20	**225098**	
	1750	1.540	15	2	1.251 - 1.750	260	1	10	**212158**	
	2250	2.040	15	3	1.751 - 2.250	260	1	10	**212160**	

[1] To fasten faceplate use faceplate restrainer item no. 213287.

228128 

3.1.1.11 T&T drive gears ESH BS 15 VHH i.S.		L							№	№ Tricoat
silver		800	640	15	0	470 - 800	200	-	20	**229389**[1]	
		1250	1.040	15	1	801 - 1.250	260	1	20	**228128**	
		1750	1.540	15	2	1.251 - 1.750	260	1	10	**229390**	
	with door catch	2250	2.040	15	3	1.751 - 2.250	260	1	10	**229391**	

[1] To fasten faceplate use faceplate restrainer item no. 213287.

3.1.2 T&T drive gears BS 6.5

202208 

3.1.2.1 T&T drive gears BS 6.5 FHH i.S.

									№	№ Tricoat
silver		660	6,5	0	190	455 - 660	-	20	**202206**[1]	**233661**[1]
		840	6,5	1	300	661 - 840	1	20	**202207**	**233662**
		1090	6,5	1	400	841 - 1.090	1	20	**202208**	**233663**
		1340	6,5	1	500	1.091 - 1.340	1	10	**202209**	**233664**
		1590	6,5	2	600	1.341 - 1.590	1	10	**202216**	**233665**
		1700	6,5	2	700	1.591 - 1.700	1	10	**207305**	**233666**
		1950	6,5	3	1.050	1.701 - 1.950	1	10	**202737**	**233667**
		2200	6,5	3	1.050	1.951 - 2.200	1	10	**202738**	**233668**
	with door catch	1950	6,5	3	1.050	1.701 - 1.950	1	10	**202217**	
		2200	6,5	3	1.050	1.951 - 2.200	1	10	**202218**	

[1] To fasten faceplate use faceplate restrainer item no. 213287.

212031 

3.1.2.2 T&T drive gears BS 6.5 FHH i.S. with tilt lock bolt

								№	№ Tricoat
silver	660	6,5	0	190	455 - 660	-	20	**212028**[1]	**236956**[1]
	840	6,5	1	300	661 - 840	1	20	**212029**	**236957**
	1090	6,5	1	400	841 - 1.090	1	20	**212031**	**233891**
	1340	6,5	1	500	1.091 - 1.340	1	10	**212033**	**233892**
	1590	6,5	2	600	1.341 - 1.590	1	10	**212035**	**233893**
	1700	6,5	2	700	1.591 - 1.700	1	10	**212037**	**236958**
	1950	6,5	3	1.050	1.701 - 1.950	1	10	**212038**	
	2200	6,5	3	1.050	1.951 - 2.200	1	10	**212040**	**233894**

[1] To fasten faceplate use faceplate restrainer item no. 213287.

212049 

3.1.2.3 T&T drive gears BS 6.5 FHH VZ with tilt lock bolt

								№	№ Tricoat
silver	660	6,5	0	190	455 - 660	-	20	**212028**[1]	**236956**[1]
	840	6,5	1	300	661 - 840	1	20	**212048**	
	1090	6,5	1	400	841 - 1.090	1	20	**212049**	
	1340	6,5	1	500	1.091 - 1.340	1	10	**212050**	
	1590	6,5	2	600	1.341 - 1.590	1	10	**212052**	
	1700	6,5	2	700	1.591 - 1.700	1	10	**212054**	
	1950	6,5	3	1.050	1.701 - 1.950	1	10	**212055**	
	2200	6,5	3	1.050	1.951 - 2.200	1	10	**212057**	

[1] To fasten faceplate use faceplate restrainer item no. 213287.

202214 

3.1.2.4 T&T drive gears EH BS 6.5 FHH i.S.

								№	№ Tricoat
silver	660	6,5	1	190	455 - 660	-	20	**209609**[1,2]	
	840	6,5	2	300	661 - 840	1	20	**202213**[2]	
	1090	6,5	2	400	841 - 1.090	1	20	**202214**[2]	
	1340	6,5	2	500	1.091 - 1.340	1	10	**202215**[2]	**233669**[2]
	1590	6,5	3	600	1.341 - 1.590	1	10	**208779**[2]	
	1700	6,5	3	700	1.591 - 1.700	1	10	**208780**[2,3]	

[1] To fasten faceplate use faceplate restrainer item no. 213287.
[2] For burglar-resistant windows according to standard EN 1627.
[3] Above SRH 1700 mm use T&T drive gear BS 6.5 FHH i.S. and crop at 170 mm notch. Then extend with bottom end piece EH item no. 205644.

212030 

3.1.2.5 T&T drive gears BS 6.5 FHH i.S. with offset handle position and tilt lock bolt

								№	№ Tricoat
silver	1090	6,5	1	300	841 - 1.090	1	20	**212030**	
	1340	6,5	1	400	1.091 - 1.340	1	10	**212032**	
	1590	6,5	1	500	1.341 - 1.590	1	10	**212034**	
	1700	6,5	1	500	1.591 - 1.700	1	10	**212066**	
			2	600	1.591 - 1.700	1	10	**212036**	

212051 

3.1.2.6 T&T drive gears BS 6.5 FHH VZ with offset handle position and tilt lock bolt

								№	№ Tricoat
silver	1590	6,5	1	500	1.341 - 1.590	1	10	**212051**	
	1700	6,5	1	500	1.591 - 1.700	1	10	**212053**	

208781 

3.1.2.7 T&T drive gears EH BS 6.5 FHH with offset handle position

								№	№ Tricoat
silver	1090	6,5	2	300	841 - 1.090	1	10	**208781**[1]	
	1340	6,5	2	400	1.091 - 1.340	1	10	**208782**[1]	
	1590	6,5	2	500	1.341 - 1.590	1	10	**208783**[1]	
	1700	6,5	3	600	1.591 - 1.700	1	10	**208784**[1]	
	1950	6,5	3	700	1.701 - 1.950	1	10	**208785**[1]	

[1] For burglar-resistant windows according to standard EN 1627.

202492 

3.1.2.8 T&T drive gears BS 6.5 VHH i.S.

	L								№	№ Tricoat
silver	800	640	6,5	0	530 - 800	170	-	20	**202491**[1]	**233925**[1]
	1250	1.040	6,5	1	801 - 1.250	260	1	20	**202492**	**233926**
	1750	1.540	6,5	2	1.251 - 1.750	260	1	10	**202494**	**233927**
	2250	2.040	6,5	3	1.751 - 2.250	260	1	10	**202205**	**233928**

[1] To fasten faceplate use faceplate restrainer item no. 213287.

202491 

3.1.2.9 T&T drive gears BS 6.5 VHH VZ		L						№	№ Tricoat
silver	800	640	6,5	530 - 800	170	-	20	**202491**[1]	**233925**[1]

[1] To fasten faceplate use faceplate restrainer item no. 213287.

3.1.3 T&T drive gears BS -6

218242 

3.1.3.1 T&T drive gears BS -6 FHH i.S.

silver	660	-6	0	190	455 - 660	-	20	**218240**[1,2,3]	
	840	-6	1	300	661 - 840	1	20	**218241**[2,3]	
	1090	-6	1	400	841 - 1.090	1	20	**218242**[2,3]	
	1340	-6	1	500	1.091 - 1.340	1	10	**218243**[2,3]	**233897**[2,3]
	1590	-6	2	600	1.341 - 1.590	1	10	**218244**[2,3]	
	1700	-6	2	700	1.591 - 1.700	1	10	**218245**[2,3]	
	1950	-6	3	1.050	1.701 - 1.950	1	10	**218246**[2,3]	**233898**[2,3]
	2200	-6	3	1.050	1.951 - 2.200	1	10	**218247**[2,3]	**250580**[2,3]

[1] To fasten faceplate use faceplate restrainer item no. 213287.
[2] Accessories for drive gears BS -6 (adaper item no. 366719, spacer such as item no. 366006 ...) must be used!
[3] Do not exceed max. torque of 22 Nm when breaking the centre die anchorage! Otherwise install drive gear BS 6.5 with frontal intermediate drive gear.

218249 

3.1.3.2 T&T drive gears BS -6 VHH i.S.

silver	800	-6	0	530 - 800	-	20	**218248**[1,2,3]	
	1250	-6	1	801 - 1.250	1	10	**218249**[2,3]	**250583**[2,3]
	1750	-6	2	1.251 - 1.750	1	10	**218250**[2,3]	**250584**[2,3]
	2250	-6	3	1.751 - 2.250	1	10	**218251**[2,3]	

[1] To fasten faceplate use faceplate restrainer item no. 213287.
[2] Accessories for drive gears BS -6 (adaper item no. 366719, spacer such as item no. 366006 ...) must be used!
[3] Do not exceed max. torque of 22 Nm when breaking the centre die anchorage! Otherwise install drive gear BS 6.5 with frontal intermediate drive gear.

3.1.4 T&T drive gears special-BS i.S.

205465



3.1.4.1 T&T drive gears special-BS FHH i.S.

									№	№ Tricoat
silver		1090	30	1	400	841 - 1.090	1	20	**212184**	
		1340	30	1	500	1.091 - 1.340	1	10	**212185**	**233840**
		1950	25	3	1.050	1.701 - 1.950	1	10	**205465**[1]	**233700**[1]
			30	3	1.050	1.701 - 1.950	1	10	**205473**[1]	**233703**[1]
			35	3	1.050	1.701 - 1.950	1	10	**205487**[1]	**233706**[1]
			40	3	1.050	1.701 - 1.950	1	10	**206402**[1]	**233709**[1]
			45	3	1.050	1.701 - 1.950	1	10	**206403**[1]	**233782**[1]
			50	3	1.050	1.701 - 1.950	1	10	**205491**[1]	**233784**[1]
		2200	25	3	1.050	1.951 - 2.200	1	10	**205464**[1]	**233701**[1]
			30	3	1.050	1.951 - 2.200	1	10	**205472**[1]	**233704**[1]
			35	3	1.050	1.951 - 2.200	1	10	**205480**[1]	**233707**[1]
			40	3	1.050	1.951 - 2.200	1	10	**205489**[1]	**233780**[1]
			45	3	1.050	1.951 - 2.200	1	10	**205490**[1]	**233783**[1]
			50	3	1.050	1.951 - 2.200	1	10	**205492**[1]	**233785**[1]
		2450	25	4	1.050	2.201 - 2.450	1	10	**206399**[1]	**233702**[1]
			30	4	1.050	2.201 - 2.450	1	10	**205479**[1]	**233705**[1]
			35	4	1.050	2.201 - 2.450	1	10	**205488**[1]	**233708**[1]
			40	4	1.050	2.201 - 2.450	1	10	**206400**[1]	**233781**[1]
			45	4	1.050	2.201 - 2.450	1	10	**206401**[1]	
			50	4	1.050	2.201 - 2.450	1	10	**205493**[1]	**233786**[1]

[1] Cropping for end piece 115 mm and 170 mm possible. Notch only at 170 mm.

205514



3.1.4.2 T&T drive gears special-BS VHH i.S.

		L							№	№ Tricoat
silver	800	640	25	0	470 - 800	200	-	10	**205513**[1]	**233929**[1]
			30	0	470 - 800	200	-	10	**205517**[1]	**233953**[1]
			35	0	470 - 800	200	-	10	**205525**[1]	**233957**[1]
			40	0	470 - 800	200	-	10	**205529**[1]	**234021**[1]
			45	0	470 - 800	200	-	10	**205539**[1]	
			50	0	470 - 800	200	-	10	**205540**[1]	**234028**[1]
	1250	1.040	25	1	801 - 1.250	260	1	10	**205514**	**233950**
			30	1	801 - 1.250	260	1	10	**205518**	**233954**
			35	1	801 - 1.250	260	1	10	**205534**	**233958**
			40	1	801 - 1.250	260	1	10	**205530**	**234022**
			45	1	801 - 1.250	260	1	10	**206308**	**234025**
			50	1	801 - 1.250	260	1	10	**213071**	
	1750	1.540	25	2	1.251 - 1.750	260	1	10	**205532**	**233951**
			30	2	1.251 - 1.750	260	1	10	**205520**	**233955**
			35	2	1.251 - 1.750	260	1	10	**205535**	**233959**
			40	2	1.251 - 1.750	260	1	10	**205537**	**234023**
			45	2	1.251 - 1.750	260	1	10	**206309**	**234026**
			50	2	1.251 - 1.750	260	1	10	**213072**	
	2250	2.040	25	3	1.751 - 2.250	260	1	10	**205533**	**233952**
			30	3	1.751 - 2.250	260	1	10	**205531**	**233956**
			35	3	1.751 - 2.250	260	1	10	**205536**	**234020**
			40	3	1.751 - 2.250	260	1	10	**205538**	**234024**
			45	3	1.751 - 2.250	260	1	10	**206310**	**234027**
			50	3	1.751 - 2.250	260	1	10	**213073**	**234060**

[1] To fasten faceplate use faceplate restrainer item no. 213287.

3.1.5 T&T drive gears lockable special-BS i.S.

205602



3.1.5.1 T&T drive gears lockable special BS for PC FHH i.S.

									№	№ Tricoat
silver		1950	25	3	1.050	1.701 - 1.950	1	10	**205602**[1]	**233787**[1]
			30	3	1.050	1.701 - 1.950	1	10	**205627**[1]	**233789**[1]
			35	3	1.050	1.701 - 1.950	1	10	**206153**[1]	**233812**[1]
			40	3	1.050	1.701 - 1.950	1	10	**206984**[1]	**233815**[1]
			45	3	1.050	1.701 - 1.950	1	10	**206155**[1]	**233817**[1]
			50	3	1.050	1.701 - 1.950	1	10	**206985**[1]	**250579**[1]
		2200	25	3	1.050	1.951 - 2.200	1	10	**205571**[1]	**233788**[1]
			30	3	1.050	1.951 - 2.200	1	10	**205624**[1]	**233810**[1]
			35	3	1.050	1.951 - 2.200	1	10	**205629**[1]	**233813**[1]
			40	3	1.050	1.951 - 2.200	1	10	**205631**[1]	**233816**[1]
			45	3	1.050	1.951 - 2.200	1	10	**205633**[1]	**233818**[1]
			50	3	1.050	1.951 - 2.200	1	10	**205635**[1]	**233830**[1]
		2450	25	4	1.050	2.201 - 2.450	1	10	**205623**[1]	**236925**[1]
			30	4	1.050	2.201 - 2.450	1	10	**205628**[1]	**233811**[1]
			35	4	1.050	2.201 - 2.450	1	10	**205630**[1]	**233814**[1]
			40	4	1.050	2.201 - 2.450	1	10	**205632**[1]	**236926**[1]
			45	4	1.050	2.201 - 2.450	1	10	**205634**[1]	**233819**[1]
			50	4	1.050	2.201 - 2.450	1	10	**205636**[1]	**233831**[1]

[1] Cropping for end piece 115 mm and 170 mm possible. Notch only at 170 mm.

212256



3.1.5.2 T&T drive gears lockable special BS for PC FHH i.S. with tilt lock bolt

								№	№ Tricoat
silver		1950	25	3	1.050	1.701 - 1.950	1	10	**212256**	
			35	3	1.050	1.701 - 1.950	1	10	**212258**	

205670



3.1.5.3 T&T drive gears lockable special BS for PC VHH i.S.

		L							№	№ Tricoat
silver	1750	1.540	25	2	1.251 - 1.750	260	1	10	**205670**	**234029**
			30	2	1.251 - 1.750	260	1	10	**205671**	**234050**
			35	2	1.251 - 1.750	260	1	10	**205672**	**236959**
			40	2	1.251 - 1.750	260	1	10	**205673**	**234053**
			45	2	1.251 - 1.750	260	1	10	**207316**	**234055**
			50	2	1.251 - 1.750	260	1	10	**213074**	
	2250	2.040	25	3	1.751 - 2.250	260	1	10	**210347**	**234059**
			30	3	1.751 - 2.250	260	1	10	**205674**	**234051**
			35	3	1.751 - 2.250	260	1	10	**205675**	**234052**
			40	3	1.751 - 2.250	260	1	10	**207317**	**234054**
			45	3	1.751 - 2.250	260	1	10	**207318**	**234056**
			50	3	1.751 - 2.250	260	1	10	**213075**	**234068**

224293



3.1.5.4 T&T drive gears lockable special BS for RC FHH i.s.								№	№ Tricoat
silver	1950	40	3	1.050	1.701 - 1.950	1	10	**224293**	
		45	3	1.050	1.701 - 1.950	1	10	**224294**	
		50	3	1.050	1.701 - 1.950	1	10	**224295**	
	2200	40	3	1.050	1.951 - 2.200	1	10	**205696**	
		45	3	1.050	1.951 - 2.200	1	10	**205698**	
		50	3	1.050	1.951 - 2.200	1	10	**205700**	

217871



3.1.5.5 T&T drive gears lockable special BS for RC VHH i.s.	L							№	№ Tricoat
silver	1750	1.540	40	2	1.251 - 1.750	260	1	10	**217871**	
			45	2	1.251 - 1.750	260	1	10	**217872**	

3.2 Turn-only drive gears

3.2.1 Turn-only drive gears BS 15

201834 

3.2.1.1 Turn-only drive gears BS 15 FHH i.S.

							№	№ Tricoat
silver	430	15	0	125	360 - 430	20	**201730**[1]	**233645**[1]
	660	15	0	190	431 - 660	20	**201731**[1]	**233836**[1]
	840	15	1	300	661 - 840	20	**201833**	**233842**
	1090	15	1	400	841 - 1.090	20	**201834**	**233837**
	1340	15	1	500	1.091 - 1.340	10	**201835**	**233833**
	1590	15	2	600	1.341 - 1.590	10	**201836**	**236953**
	1700	15	2	700	1.591 - 1.700	10	**207302**	
	1950	15	3	1.050	1.701 - 1.950	10	**201837**	**233838**
	2200	15	3	1.050	1.951 - 2.200	10	**201838**	**233834**
	2450	15	4	1.050	2.201 - 2.450	10	**201839**	**233835**

[1] To fasten faceplate use faceplate restrainer item no. 213287.

209370  209590 

3.2.1.2 Turn-only drive gears BS 15 FHH i.S. with tilt lock bolt

							№	№ Tricoat
silver	430	15	0	125	360 - 430	20	**209370**[1]	**233847**[1]
	660	15	0	190	431 - 660	20	**209371**[1]	**233848**[1]
	840	15	1	300	661 - 840	20	**209590**	**236955**

[1] To fasten faceplate use faceplate restrainer item no. 213287.

212121 

3.2.1.3 Turn-only drive gears BS 15 FHH VZ with tilt lock bolt

							№	№ Tricoat
silver	430	15	0	125	360 - 430	20	**209370**[1]	**233847**[1]
	660	15	0	190	431 - 660	20	**209371**[1]	**233848**[1]
	840	15	1	300	661 - 840	20	**212119**	
	1090	15	1	400	841 - 1.090	20	**212121**	
	1340	15	1	500	1.091 - 1.340	20	**212123**	
	1590	15	2	600	1.341 - 1.590	20	**212125**	
	1700	15	2	700	1.591 - 1.700	10	**212127**	
	1950	15	3	1.050	1.701 - 1.950	10	**212130**	
	2200	15	3	1.050	1.951 - 2.200	10	**212133**	
	2450	15	4	1.050	2.201 - 2.450	10	**212136**	

[1] To fasten faceplate use faceplate restrainer item no. 213287.

206986  206614 

3.2.1.4 Turn-only drive gears EH BS 15 FHH i.S.

							№	№ Tricoat
silver	660	15	1	190	431 - 660	10	**206986**[1,2]	**233655**[1,2]
			2	190	510 - 660	10	**214441**[1,2]	
	840	15	2	300	661 - 840	20	**206614**[2]	

[1] To fasten faceplate use faceplate restrainer item no. 213287.
[2] For burglar-resistant windows according to standard EN 1627.

205547



3.2.1.5 Turn-only drive gears BS 15 FHH without cam						№	№ Tricoat
silver	840	15	300	661 - 840	20	**205546**	**236954**
	1090	15	400	841 - 1.090	20	**205547**	**236928**
	1340	15	500	1.091 - 1.340	10	**205548**	**236929**
	1590	15	600	1.341 - 1.590	10	**205549**	**236950**
	1700	15	700	1.591 - 1.700	10	**207304**	**236952**
	1950	15	1.050	1.701 - 1.950	10	**205545**	**236927**
	2200	15	1.050	1.951 - 2.200	10	**205550**	**236951**
	2450	15	1.050	2.201 - 2.450	10	**205551**	

202170



3.2.1.6 Turn-only drive gears BS 15 VHH i.S.	L						№	№ Tricoat
silver	800	640	15	0	470 - 800	200	20	**201746**[1]	**233923**[1]
	1250	1.040	15	1	801 - 1.250	260	20	**202170**	**234062**
	1350	1.140	15	1	901 - 1.350	260	20	**215408**	
	1750	1.540	15	2	1.251 - 1.750	260	10	**202171**	**234063**
	2250	2.040	15	3	1.751 - 2.250	260	10	**202172**	**234065**

[1] To fasten faceplate use faceplate restrainer item no. 213287.

212157



3.2.1.7 Turn-only drive gears BS 15 VHH VZ	L						№	№ Tricoat
silver	800	640	15	0	470 - 800	200	20	**201746**[1]	**233923**[1]
	1250	1.040	15	1	801 - 1.250	260	20	**212157**	
	1750	1.540	15	2	1.251 - 1.750	260	10	**212159**	
	2250	2.040	15	3	1.751 - 2.250	260	10	**212161**	

[1] To fasten faceplate use faceplate restrainer item no. 213287.

205542



3.2.1.8 Turn-only drive gears BS 15 VHH without cam	L					№	№ Tricoat
silver	1250	1.040	15	801 - 1.250	260	10	**205542**	
	1750	1.540	15	1.251 - 1.750	260	10	**205543**	
	2250	2.040	15	1.751 - 2.250	260	10	**205544**	

3.2.2 Turn-only drive gears BS 6.5

202206 

202211 

3.2.2.1 Turn-only drive gears BS 6.5 FHH i.S.

							№	№ Tricoat
silver	660	6,5	0	190	455 - 660	20	**202206**[1]	**233661**[1]
	840	6,5	1	300	661 - 840	20	**202210**	
	1090	6,5	1	400	841 - 1.090	20	**202211**	
	1340	6,5	1	500	1.091 - 1.340	10	**202212**	
	1590	6,5	2	600	1.341 - 1.590	10	**202219**	
	1700	6,5	2	700	1.591 - 1.700	10	**207306**	
	1950	6,5	3	1.050	1.701 - 1.950	10	**202220**	
	2200	6,5	3	1.050	1.951 - 2.200	10	**202221**	

[1] To fasten faceplate use faceplate restrainer item no. 213287.

212044 

3.2.2.2 Turn-only drive gears BS 6.5 FHH i.S. with tilt lock bolt

							№	№ Tricoat
silver	840	6,5	1	300	661 - 840	20	**212042**	
	1090	6,5	1	400	841 - 1.090	20	**212044**	
	1340	6,5	1	500	1.091 - 1.340	10	**212045**	
	1590	6,5	2	600	1.341 - 1.590	10	**212046**	

212060 

3.2.2.3 Turn-only drive gears BS 6.5 FHH VZ with tilt lock bolt

							№	№ Tricoat
silver	840	6,5	1	300	661 - 840	20	**212059**	
	1090	6,5	1	400	841 - 1.090	20	**212060**	
	1340	6,5	1	500	1.091 - 1.340	10	**212061**	
	1590	6,5	2	600	1.341 - 1.590	10	**212062**	
	1700	6,5	2	700	1.591 - 1.700	10	**212063**	
	1950	6,5	3	1.050	1.701 - 1.950	10	**212064**	
	2200	6,5	3	1.050	1.951 - 2.200	10	**212065**	

202493 

3.2.2.4 Turn-only drive gears BS 6.5 VHH i.S.

		L						№	№ Tricoat
silver	800	640	6,5	0	530 - 800	170	20	**202491**[1]	**233925**[1]
	1250	1.040	6,5	1	801 - 1.250	260	20	**202493**	**234064**
	1750	1.540	6,5	2	1.251 - 1.750	260	10	**202495**	
	2250	2.040	6,5	3	1.751 - 2.250	260	10	**202497**	**234066**

[1] To fasten faceplate use faceplate restrainer item no. 213287.

3.2.3 Turn-only drive gears special BS i.S.

209968



3.2.3.1 Turn-only drive gears special-BS FHH with welded striker

silver	660	30	190	431 - 660	10	**224139**[1]	
		50	190	431 - 660	10	**218426**[1]	
	840	30	300	661 - 840	10	**224140**	
		50	300	661 - 840	10	**218427**	
	1090	30	400	841 - 1.090	10	**224141**	
		40	400	841 - 1.090	10	**210941**	
		50	400	841 - 1.090	10	**218428**	
	1340	30	500	1.091 - 1.340	10	**224142**	
		40	500	1.091 - 1.340	10	**210942**	
		50	500	1.091 - 1.340	10	**218429**	
	1590	30	600	1.341 - 1.590	10	**224143**	
		40	600	1.341 - 1.590	10	**211659**	
		50	600	1.341 - 1.590	10	**218430**	
	1700	30	700	1.591 - 1.700	10	**224144**	
		40	700	1.591 - 1.700	10	**211660**	
		50	700	1.591 - 1.700	10	**218431**	
	1950	30	1.050	1.701 - 1.950	10	**209968**	
		40	1.050	1.701 - 1.950	10	**207014**	
		50	1.050	1.701 - 1.950	10	**218432**	
	2200	30	1.050	1.951 - 2.200	10	**224145**	
		40	1.050	1.951 - 2.200	10	**210943**	
		50	1.050	1.951 - 2.200	10	**218433**	
	2450	30	1.050	2.201 - 2.450	10	**224146**	
		40	1.050	2.201 - 2.450	10	**210944**	

[1] To fasten faceplate use faceplate restrainer item no. 213287.

218225



3.2.3.2 Turn-only drive gears special-BS VHH with welded striker

silver	1250	1.040	50	801 - 1.250	260	10	**218225**	
	1750	1.540	50	1.251 - 1.750	260	10	**218226**	
	2250	2.040	50	1.751 - 2.250	260	10	**218227**	

205515



3.2.3.3 Turn-only drive gears special-BS VHH i.S.

silver	1750	1.540	25	2	1.251 - 1.750	260	10	**205515**	
			30	2	1.251 - 1.750	260	10	**205541**	
	2250	2.040	25	3	1.751 - 2.250	260	10	**205516**	
			30	3	1.751 - 2.250	260	10	**205523**	

214904



3.2.4 Turn-only drive gears special-BS VHH VZ

	L						№	№ Tricoat
silver	800	640	30	0	470 - 800	200	10	**205517**[1]	**233953**[1]
	1250	1.040	30	1	801 - 1.250	260	10	**214904**	

[1] To fasten faceplate use faceplate restrainer item no. 213287.

208747



3.2.5 Turn-only drive gears for round windows i.S.

						№	№ Tricoat
silver	925	15	3	425 - 925	10	**208747**	
	1425	15	4	926 - 1.425	10	**208748**	

3.3 Accessories for drive gears

201168 

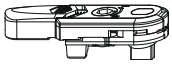
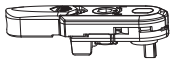
3.3.1 Door catches

			№	№ Tricoat
silver	door catch MM	50	**201168**	**234411**

44349 

3.3.2 Packer for door catch

				№	№ Tricoat
pearl light grey RAL 9022	for bullet catch case	3	100	**44349**	

202581  370922 

3.3.3 Sash lifters and mishandling devices

			№	№ Tricoat
silver	sash lifter and mishandling device retrofittable MM	50	**202581**	**234412**
	sash lifter and mishandling device retrofittable MM for comfort adjuster	10	**370922**	

207434  207435 

3.3.4 Anti-drill plates for drive gears

			№	№ Tricoat
silver	BS 15 hardened	50	**207434**[1]	
	BS 6.5 hardened	50	**207435**[1]	

[1] For burglar-resistant windows according to standard EN 1627.

208887 

3.3.5 Faceplate extension MM/MM-KS for corner screw-mounting on Alu windows

		№	№ Tricoat
silver	20	**208887**	

213287 

3.3.6 Faceplate restrainer for short drive gears MM

		№	№ Tricoat
silver	100	**213287**	

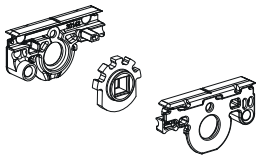
 

363192  45038 

3.3.7 Clip-on parts for drive gears

		№	№ Tricoat
clip-on component for gearbox cases CE	100	**363192**[1]	
clip-on component for gearbox cases MACO	100	**45038**[1]	

[1] Attachments for the drive gear are also available with logo.



106040

3.3.8 Repair sets for gearbox

			№	№ Tricoat
Tricoat-Evo	repair set for gearbox BS 15	20		**106040**
	repair set for gearbox BS 25	20		**106041**
	repair set for gearbox BS 30	20		**106042**
	repair set for gearbox BS 35	20		**106043**
	repair set for gearbox BS 40	20		**106044**
	repair set for gearbox BS 45	20		**106045**
	repair set for gearbox BS 50	20		**106046**

366719  366008 

3.3.9 Accessories for drive gears BS -6

				№	№ Tricoat
silver	adapter for drive gear DM-6		50	**366719**	
pearl light grey RAL 9022	spacer	1,5	50	**366006**	
		5	50	**367850**	
		8,5	50	**366007**	
		9,5	50	**366008**	

3.4 Espagnolettes

3.4.1 Espagnolettes BS 15

208346



3.4.1.1 Espagnolettes BS 15 FHH i.S.

							№	№ Tricoat
silver	430	15	1	125	270 - 430	20	**208343**	
	660	15	2	190	431 - 660	20	**208344**	
	840	15	2	300	661 - 840	20	**208345**	
	1090	15	2	400	841 - 1.090	20	**208346**	
	1340	15	3	500	1.091 - 1.340	10	**208347**	
	1590	15	3	600	1.341 - 1.590	10	**208348**	
	1700	15	3	700	1.591 - 1.700	10	**208349**	
	1950	15	3	1.050	1.701 - 1.950	10	**208350**	
	2200	15	4	1.050	1.951 - 2.200	10	**208351**	
	2450	15	4	1.050	2.201 - 2.450	10	**208352**	

211964



3.4.1.2 Espagnolettes BS 15 FHH VZ

							№	№ Tricoat
silver	430	15	1	125	270 - 430	20	**211961**	**236460**
	660	15	2	190	431 - 660	20	**211962**	**236461**
	840	15	2	300	661 - 840	20	**211963**	**236462**
	1090	15	2	400	841 - 1.090	20	**211964**	**236435**
	1340	15	3	500	1.091 - 1.340	10	**211965**	**236436**
	1590	15	3	600	1.341 - 1.590	10	**211966**	
	1700	15	3	700	1.591 - 1.700	10	**211967**	
	1950	15	3	1.050	1.701 - 1.950	10	**211968**	**236437**
	2200	15	4	1.050	1.951 - 2.200	10	**211969**	**236438**
	2450	15	4	1.050	2.201 - 2.450	10	**211970**	**236439**
	2600	15	3	1.050	1.801 - 2.600	10	**212970**[1]	**236972**[1]
			4	1.050	2.451 - 2.600	10	**212637**	

[1] extendable

211971



3.4.1.3 Espagnolettes BS 15 FHH VZ with offset handle position

							№	№ Tricoat
silver	1090	15	2	300	841 - 1.090	20	**211971**	
	1340	15	3	190	1.091 - 1.340	10	**218088**	
				400	1.091 - 1.340	10	**211972**	
	1590	15	3	500	1.341 - 1.590	10	**211973**	**236970**
	1700	15	3	500	1.591 - 1.700	10	**212634**	**236971**
	1950	15	3	500	1.701 - 1.950	10	**218508**	

208328



3.4.1.4 Espagnolettes BS 15 centered i.S.

						№	№ Tricoat
silver	500	15	2	300 - 500	20	**208328**	**236503**
	700	15	2	501 - 700	20	**208329**	**236500**
	1.000	15	2	701 - 1.000	20	**208330**	**236501**
	1.400	15	3	1.001 - 1.400	10	**208331**	**236502**
	1.800	15	3	1.401 - 1.800	10	**208332**	
	2.400	15	4	1.801 - 2.400	10	**208436**	

211989 

3.4.1.5 Espagnolettes BS 15 centered VZ

							№	№ Tricoat
silver	500	15	2	300 - 500	20		**211989**	**236504**
	700	15	2	501 - 700	20		**211990**	**236505**
	1.000	15	2	701 - 1.000	20		**211991**	**236506**
	1.400	15	3	1.001 - 1.400	20		**211992**	**236507**
			4	1.001 - 1.400	10		**212694**	
	1.800	15	3	1.401 - 1.800	10		**211993**	**236508**
	2.400	15	4	1.801 - 2.400	10		**211994**	**236973**

212001 

212007 

3.4.1.6 Espagnolettes BS 15 reverse action VZ

							№	№ Tricoat
silver	660	15	0	190	430 - 660	10		**208395**	**236470**
	840	15	1	300	661 - 840	10		**212000**	**236471**
			0	300	661 - 840	10		**212769**	
	1090	15	1	400	841 - 1.090	10		**212001**	**236464**
	1340	15	1	190	1.091 - 1.340	10		**218079**	
				500	1.091 - 1.340	10		**212002**	**236465**
	1590	15	1	600	1.341 - 1.590	10		**212003**	
	1700	15	1	700	1.591 - 1.700	10		**212004**	
	1950	15	2	1.050	1.701 - 1.950	10		**212005**	**236466**
	2200	15	2	1.050	1.951 - 2.200	10		**212006**	**236467**
	2450	15	3	1.050	2.201 - 2.450	10		**212007**	**236468**
	2600	15	3	1.050	2.450 - 2.600	10		**212728**	**236474**

212008 

3.4.1.7 Espagnolettes BS 15 reverse action VZ with offset handle position

							№	№ Tricoat
silver	840	15	1	190	661 - 840	10		**216982**	
	1090	15	1	190	841 - 1.090	10		**216983**	
				300	841 - 1.090	10		**212008**	
	1340	15	1	190	1.091 - 1.340	10		**218079**	
				400	1.091 - 1.340	10		**212009**	
	1590	15	1	400	1.341 - 1.590	10		**218503**	
				500	1.341 - 1.590	10		**212010**	**236469**
	1700	15	1	500	1.591 - 1.700	10		**212724**	**236472**
	1950	15	2	400	1.701 - 1.950	10		**218504**	
				500	1.701 - 1.950	10		**218505**	
	2200	15	2	400	1.951 - 2.200	10		**212727**	
				500	1.951 - 2.200	10		**212726**	**236473**

3.4.2 Espagnolettes BS 6.5

211983



3.4.2.1 Espagnolettes BS 6.5 FHH VZ

							№	№ Tricoat
silver	660	6,5	2	190	431 - 660	20	**211981**	
	840	6,5	2	300	661 - 840	20	**211982**	
	1090	6,5	2	400	841 - 1.090	20	**211983**	
	1340	6,5	3	500	1.091 - 1.340	10	**211984**	
	1590	6,5	3	600	1.341 - 1.590	10	**211985**	
	1700	6,5	3	700	1.591 - 1.700	10	**211986**	
	1950	6,5	3	1.050	1.701 - 1.950	10	**211987**	
	2200	6,5	4	1.050	1.951 - 2.200	10	**211988**	

218116



3.4.2.2 Espagnolettes BS 6.5 FHH VZ with offset handle position

								№	№ Tricoat
silver	840	6,5	2	0	190	661 - 840	20	**218115**	
	1090	6,5	0	2	190	841 - 1.090	20	**218116**	
	1340	6,5	0	3	190	1.091 - 1.340	10	**218117**	

213522



3.4.2.3 Espagnolettes BS 6.5 with gearbox reverse action VZ with offset handle position

							№	№ Tricoat
silver	840	6,5	1	190	661 - 840	10	**216353**	
	1090	6,5	1	190	841 - 1.090	10	**216354**	
	1340	6,5	1	190	1.091 - 1.340	10	**213522**	
				400	1.091 - 1.340	10	**213524**	
	1590	6,5	1	500	1.341 - 1.590	10	**213526**	
	1700	6,5	2	500	1.591 - 1.700	10	**213529**	
				600	1.591 - 1.700	10	**213528**	
	2200	6,5	2	600	1.951 - 2.200	10	**213533**	

208325



3.4.2.4 Espagnolettes BS 6.5 centered i.S.

						№	№ Tricoat
silver	500	6,5	2	390 - 500	20	**208323**	
	700	6,5	2	501 - 700	20	**208324**	
	1.000	6,5	2	701 - 1.000	20	**208325**	
	1.400	6,5	3	1.001 - 1.400	10	**208326**	
	1.800	6,5	3	1.401 - 1.800	10	**208327**	

211997



3.4.2.5 Espagnolettes BS 6.5 centered VZ

						№	№ Tricoat
silver	500	6,5	2	390 - 500	20	**211995**	
	700	6,5	2	501 - 700	20	**211996**	
	1.000	6,5	2	701 - 1.000	20	**211997**	
	1.400	6,5	3	1.001 - 1.400	10	**211998**	
	1.800	6,5	3	1.401 - 1.800	10	**211999**	

213521 

3.4.2.6 Espagnolettes BS 6.5 with gearbox reverse action VZ							№	№ Tricoat
silver	660	6,5	0	190	431 - 660	10	**213516**	
	840	6,5	1	300	661 - 840	10	**213520**	
	1090	6,5	1	400	841 - 1.090	10	**213521**	
	1340	6,5	1	500	1.091 - 1.340	10	**213523**	
	1590	6,5	1	600	1.341 - 1.590	10	**213525**	
	1700	6,5	2	700	1.591 - 1.700	10	**213527**	
	1950	6,5	2	1.050	1.701 - 1.950	10	**213530**	
	2200	6,5	2	1.050	1.951 - 2.200	10	**213531**	
	2450	6,5	2	1.050	2.201 - 2.450	10	**213534**	

3.4.3 Espagnolettes with mounted tilt stay

206268



3.4.3.1 Espagnolettes centered i.S. with mounted tilt stay

					№	№ Tricoat
silver	1.000	15	2	20	**206268**[1,2]	**236475**[1,2]
	1.300	15	3	10	**206269**[1,2]	**236476**[1,2]
	1.700	15	3	10	**206270**[2,3]	**236477**[2,3]

[1] One mounted tilt stay.
[2] The MACO product liability stipulates the additional use of a restrictor and cleaning stay. Note the max. sash weight for the restrictor and cleaning stay.
[3] Two mounted tilt stays.

212702



3.4.3.2 Espagnolettes centered VZ with mounted tilt stay

					№	№ Tricoat
silver	1.000	15	2	20	**212702**[1,2]	
	1.300	15	3	10	**212703**[1,2]	
	1.700	15	3	10	**212704**[2,3]	

[1] One mounted tilt stay.
[2] The MACO product liability stipulates the additional use of a restrictor and cleaning stay. Note the max. sash weight for the restrictor and cleaning stay.
[3] Two mounted tilt stays.

206174



3.4.3.3 Espagnolettes VHH i.S. with mounted tilt stay

						№	№ Tricoat
silver	1.250	15	1	755 - 1.250	20	**206174**[1,2]	**236478**[1,2]
	1.700	15	2	1.501 - 1.700	10	**212772**[2,3]	**236509**[2,3]
	2.200	15	3	1.701 - 2.200	10	**206271**[2,3]	**236479**[2,3]

[1] One mounted tilt stay.
[2] The MACO product liability stipulates the additional use of a restrictor and cleaning stay. Note the max. sash weight for the restrictor and cleaning stay.
[3] Two mounted tilt stays.

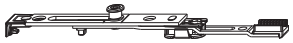
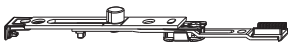
94074



3.4.3.4 Faceplate restrainer for espagnolette

		№	№ Tricoat
silver	100	**94074**	

3.5 End pieces

212687  212686  212685 

3.5.1 End pieces with 90° restriction (turn-only)

					№	№ Tricoat
silver	90° top with 1 i.S.	0	1	20	**212687**	**233641**
	90° top with 1 VZ	1	0	20	**212686**	
	90° top without cam	0	0	20	**212685**	

212211  212212  212213 

3.5.2 End pieces for 180° (T&T, French casement drive gears)

					№	№ Tricoat
silver	180° bottom and top with 1 i.S.	0	1	20	**212211**	**233629**
	180° bottom and top with 1 VZ	1	0	20	**212212**	
	180° bottom and top without cam	0	0	20	**212213**	**233640**

205177 

3.5.3 End piece top for half round windows

					№	№ Tricoat
silver	top with 1 i.S.	450 - 1.000	1	20	**205177**[1]	**233626**[1]

[1] Use possible only with 1-sashed windows.

212689  203744 

3.5.4 End pieces with tilt lock bolt

			L			№	№ Tricoat
silver	for windows bottom		113,5	470 - 1.750	20	**212689**	**233643**
	for doors bottom		113,5	1.751 - 2.250	20	**212688**	**233642**
		for variable drive gear	169	1.701 - 2.450	20	**203744**[1]	

[1] For use with drive gears with 170 mm notch.

205644 

3.5.5 End piece EH for drive gears

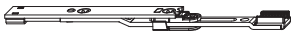
					№	№ Tricoat
silver	bottom with 1 i.S.	1.701 - 2.450	1	20	**205644**[1,2]	**233628**[1,2]

[1] For use with drive gears with 170 mm notch.
[2] For burglar-resistant windows according to standard EN 1627.

225092 

3.5.6 End piece bottom MM with reverse action for turn-only windows with deadbolt protrusion

				№	№ Tricoat
silver	500 - 2.350	20	**225092**	**233625**

208432  214014  214015  214016 

3.5.7 End pieces top for reverse action espagnolette

				№	№ Tricoat
silver	for reverse action espagnolette top with shootbolt	431 - 2.450	20	**208432**	**236434**
	for reverse action espagnolette extendable top with extendable shootbolt protrusion slanted on one side	431 - 2.450	100	**214013**	
	for reverse action espagnolette extendable top with extendable shootbolt protrusion slanted on both sides	431 - 2.450	100	**214014**	
	for reverse action espagnolette lockcase top with extendable shootbolt protrusion	431 - 2.450	100	**214015**	
	for reverse action espagnolette extendable top with extendable shootbolt protrusion	431 - 2.450	20	**214016**	**233644**
	for reverse action espagnolette extendable top with extendable shootbolt protrusion slanted on one side, right	431 - 2.450	100	**218977**	
	for reverse action espagnolette extendable top with extendable shootbolt protrusion slanted on one side, left	431 - 2.450	100	**218978**	

3.6 Balcony door locks B-TV



203834

3.6.1 Balcony door locks B-TV E85 with PC

		L						№	№ Tricoat
silver	fixed handle height with 2 i.S. cams	1.347	28	8	1.050	85	5	**203834**	
			35	8	1.050	85	5	**203835**	
			40	8	1.050	85	5	**203836**	
			45	8	1.050	85	5	**203837**	
			50	8	1.050	85	5	**203838**	
			55	8	1.050	85	5	**203839**	



203696

3.6.2 Balcony door locks B-TV E92 with PC

		L						№	№ Tricoat
silver	fixed handle height with 2 i.S. cams	1.347	25	8	1.050	92	5	**203828**	
			28	8	1.050	92	5	**203696**	**234849**
			35	8	1.050	92	5	**203829**	**234850**
			40	8	1.050	92	5	**203830**	**234848**
			45	8	1.050	92	5	**203831**	**234847**
			50	8	1.050	92	5	**203832**	**234846**
			55	8	1.050	92	5	**203833**	



203840

3.6.3 Balcony door locks B-TV E94 with RC

		L						№	№ Tricoat
silver	fixed handle height with 2 i.S. cams	1.347	28	8	1.050	94	5	**203840**	
			35	8	1.050	94	5	**203841**	
			40	8	1.050	94	5	**203842**	
			45	8	1.050	94	5	**203843**	
			50	8	1.050	94	5	**203844**	
			55	8	1.050	94	5	**203845**	

4 Corner elements

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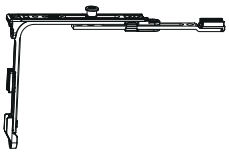
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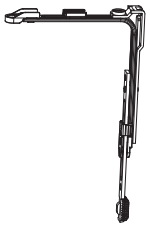
4 Corner elements

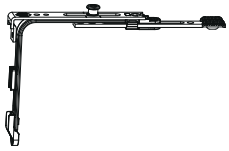
4.1 Corner elements i.S.


222201


222202


222203


225021


216712


209034


101879

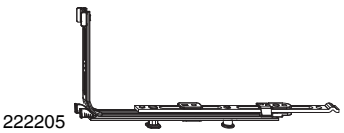

209610

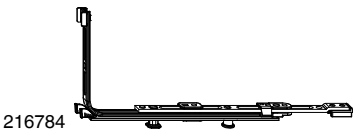
4.1.1 Corner elements standard i.S.

					№	№ Tricoat
silver	with 1 i.S.	320 - 1.800	360 - 2.800	50	**222201**	**232851**
	with 2 i.S.	320 - 1.800	360 - 2.800	50	**222202**	**232854**
	short with 1 i.S.	220 - 319	275 - 359	50	**222203**[1]	**232853**[2]
	short with shootbolt protrusion and faceplate fixing	225 - 319	275 - 359	50	**225021**[3,4]	**232882**[4,5]
	short with faceplate fixing with 1 i.S.	225 - 324	280 - 364	50	**216712**[6]	**232880**[7]
	for night ventilation with 1 i.S.	320 - 1.800	360 - 2.800	50	**209034**	
	with 5 ventilation positions with 1 i.S.	400 - 1.000	800 - 1.700	30	**101879**[8]	**105952**[8]
	for turn-only window with 1 i.S.	320 - 1.800	360 - 2.800	50	**209610**	**232877**

[1] Countersunk head screw M4x8 mm self-forming, item no. 101339 included.
[2] Countersunk head screw M4x8 mm self-forming, item no. 106024 included.
[3] Countersunk head screw M4x6 mm item no. 104548 included.
[4] Can be used only in combination with french casement drive gears for tilt lock bolt.
[5] Countersunk head screw M4x6 mm item no. 106190 included.
[6] Countersunk head screw M4x6 mm self-forming, item no. 40533 included.
[7] Countersunk head screw M4x6 mm self-forming, item no. 106191 included.
[8] Observe rebate depth with timber!


222204


222205


216784

4.1.2 Corner elements horizontal i.S.

				№	№ Tricoat
silver	horizontal with 1 i.S.	320 - 750	50	**222204**[1]	
	horizontally extendable with 1 i.S.	320 - 1.800	50	**222205**[1]	**232856**[1]
	with serrated carrier horizontally extendable with 1 i.S.	320 - 1.800	50	**216784**[1]	**232881**[1]

[1] In combination with rebated corner supports possible from SRW 365 mm.


222208


222209

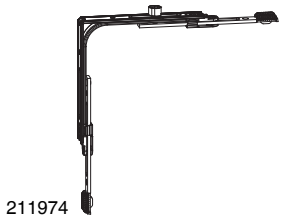

222214

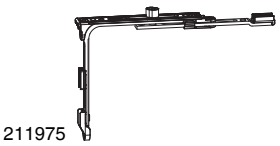

210096


222215

4.1.3 Corner elements vertical i.S.

				№	№ Tricoat
silver	vertical with 1 i.S.	470 - 750	50	**222208**	**232879**
	vertically extendable with 1 i.S.	750 - 2.800	50	**222209**	**232862**
	vertically extendable without i.S. cams	750 - 2.800	50	**222214**	**232864**
	with serrated carrier vertically extendable with 1 i.S.	750 - 2.800	10	**210096**	**232866**
	vertically extendable with 1 i.S.	750 - 2.800	50	**222215**	**232863**


211974


211975


211976

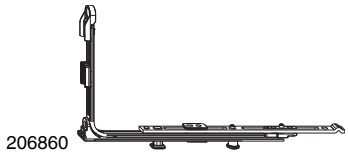

228430

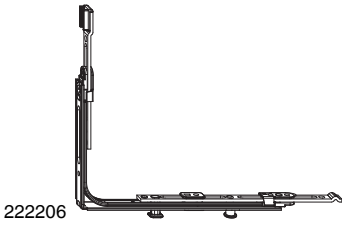

105309

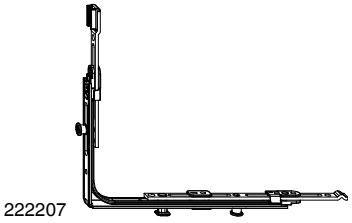
4.2 Corner elements VZ

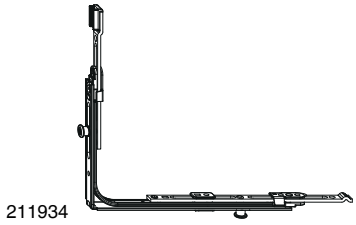
					№	№ Tricoat
silver	with 1 VZ	320 - 1.800	360 - 2.800	50	**211974**	
	short with 1 VZ	220 - 319	275 - 359	50	**211975**[1]	
	vertically extendable with 1 VZ	320 - 1.800	750 - 2.800	50	**211976**	
	for night ventilation with 1 VZ	320 - 1.800	360 - 2.800	50	**228430**	
	with 5 ventilation positions with 1 VZ	400 - 1.000	800 - 1.700	30	**105309**[2]	

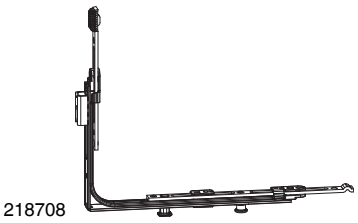
[1] Countersunk head screw M4x8 mm self-forming, item no. 101339 included.
[2] Observe rebate depth with timber!


206860


222206


222207


211934


218708

4.3 Corner elements horizontal i.S. for drive gears VHH

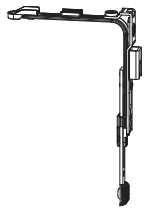
					№	№ Tricoat
silver	short for variable espagnolettes horizontally extendable with 1 i.S.	320 - 1.800	250 - 650	50	**206860**[1,2]	**232859**[2,3]
	for variable drive gear horizontally extendable with 1 i.S.	320 - 1.800	470 - 2.800	50	**222206**[2]	**232857**[2]
	for variable drive gear horizontally extendable with 2 i.S.	320 - 1.800	470 - 2.800	50	**222207**[2]	**232858**[2]
	for variable drive gear for tilt-first horizontally extendable with 2 i.S.	320 - 1.800	470 - 2.800	50	**211934**[2]	**232887**[2]
	for variable drive gear horizontally extendable with 1 i.S. cam and striker	320 - 1.800	470 - 2.800	50	**218708**[2]	

[1] Countersunk head screw M4x8 mm self-forming, item no. 101339 included.
[2] In combination with rebated corner supports possible from SRW 365 mm.
[3] Countersunk head screw M4x8 mm self-forming, item no. 106024 included.

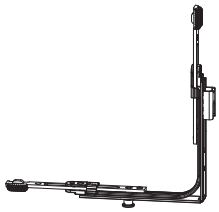

205973

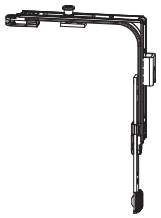

202475


222210


229045


208415


211740


209611

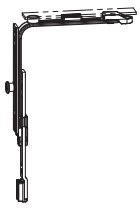
4.4 Corner elements i.S. for French casement drive gears

					№	№ Tricoat
silver	variable 1250 concealed with 1 i.S.		801 - 1.250	10	**205973**[1]	
	variable 1250 with reverse-action lever with 1 i.S.		801 - 1.250	10	**202475**[2]	**250232**[2]
	2-sashed with 1 i.S. cam and striker	320 - 1.800	360 - 2.800	20	**222210**	**232852**
	2-sashed short with shootbolt protrusion and welded-on striker	225 - 319	275 - 359	50	**229045**[3]	
	2-sashed RC2 with sliding locks with 1 i.S.	320 - 1.800	360 - 2.800	20	**208415**[4]	**232871**[4]
	2-sashed RC2 with striker for bottom	320 - 1.800	841 - 2.800	50	**211740**	**232872**
	2-sashed for turn-only window with 1 i.S. cam and striker	320 - 1.800	360 - 2.800	20	**209611**	**232873**

[1] Can be used only in combination with French casement drive gears for intermediate profiles VHH (item no. 205970)!
[2] Can be used only in combination with French casement drive gears for Eurogroove VHH (item no. 227937 and item no. 202471)!
[3] Can be used only in combination with T&T drive gears with tilt lock bolt.
[4] For burglar-resistant windows according to standard EN 1627.


222212


214990


209655

4.5 Corner elements i.S. for angled windows

				№	№ Tricoat
silver	with 1 i.S.	440 - 1.300	20	**222212**	**232855**
	with 2 i.S.	440 - 1.300	20	**214990**	**232875**
	short with 1 i.S.	330 - 1.300	50	**209655**	**232874**


222211


222213

4.6 Corner elements i.S. for half round windows

				№	№ Tricoat
silver	horizontally croppable with 1 i.S.	450 - 1.300	10	**222211**[1]	**232860**[1]
	for tilt lock bolt horizontally croppable without cam	450 - 1.300	10	**215216**[1]	**232884**[1]
	4 mm air gap horizontally croppable with 1 i.S.	450 - 1.300	10	**218072**[1]	
	for variable drive gear horizontally croppable with 2 i.S.	450 - 1.300	10	**222213**[1]	**232861**[1]
	for variable drive gear 4 mm air gap horizontally croppable with 2 i.S.	450 - 1.300	10	**218071**[1]	

[1] Use short corner element and pivot post for PVC for SRW below 380 mm.


224283


224282

4.7 Corner element two-part

					№	№ Tricoat
silver	vertically extendable	500 - 1.650		50	**224283**	**232883**
	corner connector MM bottom for half round		500 - 1.650	20	**224282**	**236889**


210561


227339


217994

4.8 Corner element for threshold 14 mm air gap

silver	corner element MM for threshold	260 - 1.800	50	**210561**	**232878**
	corner element MM for threshold for EH	320 - 1.800	50	**227339**	
	corner element MM for threshold for variable drive gear	260 - 1.800	50	**217994**	**232886**


209881


227338


217995

4.9 Corner element for threshold 18 mm air gap

silver	corner element MM for threshold	for 18 mm air gap	260 - 1.800		50	**209881**	**232867**
	corner element MM for threshold for EH	for 18 mm air gap	320 - 1.800		50	**227338**	
	corner element MM for threshold for variable drive gear	with long cam 18 mm air gap	260 - 1.800	360 - 2.800	50	**217995**	
		with long cam 18 mm air gap and 1 i.S.	260 - 1.800	360 - 2.800	50	**226694**	
		with long cam 18 mm air gap and striker plate	260 - 1.800	360 - 2.800	50	**226695**	

4.10 Accessories for corner elements

357081  355418  43625 

4.10.1 Travel restrictions

			№	№ Tricoat
silver	90° travel restriction surface-mounted	200	**357081**[1]	**385099**[1]
white	clip-on 90° travel-restriction MM PVC	200	**355418**[1]	
	90° travel restriction surface-mounted PVC	200	**43625**[1]	

[1] Can also be supplied in quantities less than one packaging unit.

101339 

4.10.2 Countersunk screw M4x8 for short corner element

	L		№	№ Tricoat
silver	8	50	**101339**	**106024**

41823 

4.10.3 E-style retaining ring for shaft 5 mm

		№	№ Tricoat
blank	1.000	**41823**	

355678 

4.10.4 Faceplate restrainer

		№	№ Tricoat
pearl light grey RAL 9022	100	**355678**[1]	

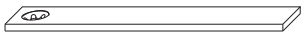
[1] Can also be supplied in quantities less than one packaging unit.

352980 

4.10.5 Adapter component straight MM/MT / replacement part

		№	№ Tricoat
silver	100	**352980**[1,2]	**385100**[1,2]

[1] Can also be supplied in quantities less than one packaging unit.
[2] Creates no positive connection.

357960 

4.10.6 Faceplate strip cover

	L		№	№ Tricoat
silver	90	100	**357960**	**385090**

354966 

4.10.7 Cropped area cover caps

			№	№ Tricoat
pearl light grey RAL 9022		100	**354966**	
	with imprint MACO 2-coloured	100	**357252**	

358368 

4.10.8 Connecting plate EH						
silver					100	**358368**[1]	**385101**[1]

[1] For burglar-resistant windows according to standard EN 1627.

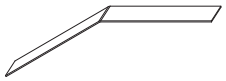
103121  455213 

4.10.9 Short catching plate for multi-stepped ventilation			Ø	L		№	№ Tricoat
silver	short catching plate for multi-stepped ventilation				30	**103121**[1]	
	cylinder screw cross recess	M	5	12	300	**455213**	

[1] Applicable for timber from rebate depth 30 mm.

363796 

4.10.10 Insert as operation lock for corner element for 3-sashed elements						
silver					50	**363796**	

104256 

4.10.11 Adhesive film for corner element for angled windows						
silver					100	**104256**	

366348 

4.10.12 Run-up for horizontal corner element						
pearl light grey RAL 9022					100	**366348**	

44273 

4.10.13 Clip-on component for serrated carrier punched						
white					200	**44273**	

5 Centre locks, Horizontal tilt locks, Faceplate extensions

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5 Centre locks, Horizontal tilt locks, Faceplate extensions

201751 

5.1 Centre locks FHH i.S.

				L			№	№ Tricoat
silver	1280	with 1 i.S.	1	470	801 - 1.280	20	**201751**	**232895**
	1500	with 1 i.S.	1	705	1.281 - 1.500	20	**201752**	**232896**

201840 

201754

5.2 Centre locks extendable i.S.

				L			№	№ Tricoat
silver	1280V	with 1 i.S.	1	470	801 - 1.280	20	**201840**[1]	**232893**[1]
	1500V	with 1 i.S.	1	705	1.281 - 1.500	20	**201753**	**232894**
	Use 201753 and 201840 for application range 1501-1700 mm.							
	2200V	with 2 i.S.	2	1.410	1.701 - 2.200	10	**201754**	**232897**

[1] Possible only from 850 mm SRH/SRW when using a rebated corner support!

215272 

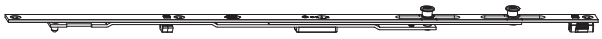
5.3 Centre locks extendable VZ

				L			№	№ Tricoat
silver	1280V	with 1 VZ	1	470	801 - 1.280	20	**215272**[1]	

[1] Possible only from 850 mm SRH/SRW when using a rebated corner support!

229393 

224130 

224131 

5.4 Centre locks reverse action i.S.

				L		№	№ Tricoat
silver	centre lock horizontal reverse action MM	with 2 i.S.	2	360	20	**229393**	
				470	20	**224130**	
	centre lock vertical reverse action MM	with 2 i.S.	2	470	20	**224131**	

212963



209033

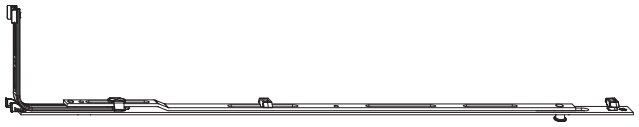


5.5 Centre locks for half round windows

						№	№ Tricoat
silver	for turn-only window top with 2 i.S.	671 - 1.250	2	10		**212963**[1]	
	croppable 1090/600 top with 3 i.S.	671 - 1.250	3	10		**209033**[1]	**250576**[1]

[1] Use possible only with 1-sashed windows.

211929



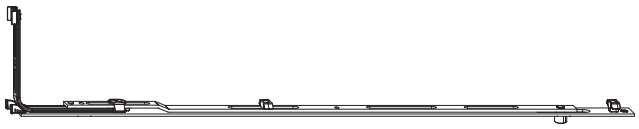
211932



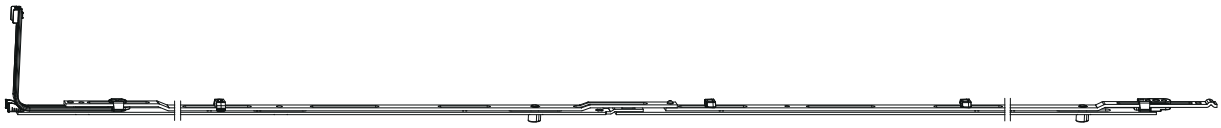
5.6 Centre locks single piece i.S.

						№	№ Tricoat
silver	700	with 1 i.S.	1	480 - 700	20	**218493**	
	Use 215449 (single-piece centre lock size 840) for application range 701-800 mm.						
	1280	with 1 i.S.	1	801 - 1.280	20	**211929**	**232903**
	1500	with 1 i.S.	1	1.281 - 1.500	20	**211930**	**232904**
		with 2 i.S.	2	1.281 - 1.500	20	**215696**	**232901**
	2000	with 2 i.S.	2	1.501 - 2.000	10	**211931**	**232905**
	2200V	with 2 i.S.	2	2.001 - 2.200	10	**211932**	**232906**
	2450	with 3 i.S.	3	2.201 - 2.450	10	**211933**	**232907**

211924



211927



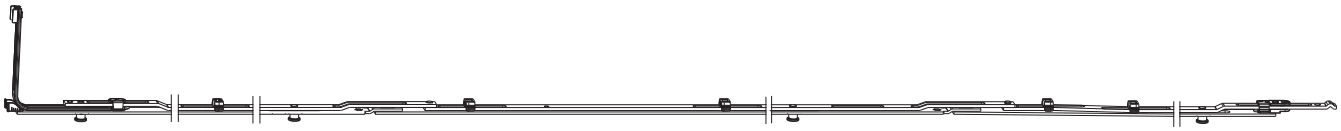
5.7 Centre locks single piece VZ

						№	№ Tricoat
silver	700	with 1 VZ	1	480 - 700	20	**228398**	
	1280	with 1 VZ	1	801 - 1.280	20	**211924**	
	1500	with 1 VZ	1	1.281 - 1.500	20	**211925**	
	2000	with 2 VZ	2	1.501 - 2.000	10	**211926**	
	2200V	with 2 VZ	2	2.001 - 2.200	10	**211927**	
	2450	with 3 VZ	3	2.201 - 2.450	10	**211928**	

215450



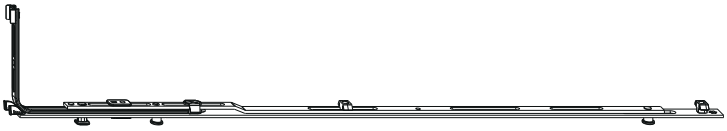
215463



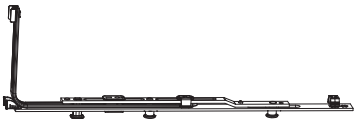
5.8 Centre locks single piece EH						№	№ Tricoat
silver	700	with 2 i.S.	2	480 - 700	20	**215448**[1]	**232911**[1]
	840	with 2 i.S.	2	701 - 840	20	**215449**[1,2]	**232912**[1,2]
	1090	with 2 i.S.	2	841 - 1.090	20	**215450**[1]	**232913**[1]
	1200	with 3 i.S.	3	1.091 - 1.200	20	**215451**[1]	**232914**[1]
	1340	with 3 i.S.	3	1.201 - 1.340	20	**215452**[1]	**232915**[1]
	1450	with 3 i.S.	3	1.341 - 1.450	20	**215453**[1]	**232916**[1]
	1590	with 3 i.S.	3	1.451 - 1.590	10	**215454**[1]	**232917**[1]
	1700	with 3 i.S.	3	1.591 - 1.700	20	**215455**[1]	**232918**[1]
	1850	with 3 i.S.	3	1.701 - 1.850	10	**215456**[1]	**232919**[1]
	1950	with 3 i.S.	3	1.851 - 1.950	10	**215457**[1]	**236974**[1]
	2000	with 4 i.S.	4	1.951 - 2.000	10	**215458**[1]	**232920**[1]
	2100	with 4 i.S.	4	2.001 - 2.100	10	**215459**[1]	**232921**[1]
	2300	with 4 i.S.	4	2.101 - 2.300	10	**215460**[1]	**232922**[1]
	2450	with 4 i.S.	4	2.301 - 2.450	10	**215461**[1]	**232923**[1]
	2500	with 4 i.S.	4	2.451 - 2.500	10	**215462**[1]	**232924**[1]
	2600V	with 4 i.S.	4	2.501 - 2.600	10	**215463**[1]	

[1] For burglar-resistant windows according to standard EN 1627.
[2] As for single-piece centre lock 1280 but with 2 i.S.

211937



5.9 Tilt locks single piece i.S.						№	№ Tricoat
silver	1280	with 2 i.S.	2	801 - 1.280	20	**211937**	**232908**
	1500	with 2 i.S.	2	1.281 - 1.500	20	**211938**	**232909**

215880 

215511 

5.10 Tilt locks single piece EH

						№	№ Tricoat
silver	480	with 2 i.S.	2	350 - 524	20	**215880**[1]	**232928**[1]
	700	with 2 i.S.	2	525 - 700	20	**215509**[1]	**232925**[1]
	800	with 2 i.S.	2	701 - 800	20	**215510**[1]	
	For application range 801-900 mm use single-piece tilt lock 211937 (size 1280).						
	1150	with 2 i.S.	2	901 - 1.150	20	**215511**[1]	**232926**[1]
	1280	with 2 i.S.	2	801 - 1.280	20	**211937**[1]	**232908**[1]
	1500	with 3 i.S.	3	1.301 - 1.500	20	**215513**[1]	**232927**[1]

[1] For burglar-resistant windows according to standard EN 1627.

210496 

214547 

206630 

201841 

212214 

217866 

5.11 Faceplate extensions fixed and extendable

				L		№	№ Tricoat
silver	faceplate extension without serrated carrier MM	with 1 i.S.	1	235	20	**210496**	**232900**
		with 2 i.S.	2	235	20	**214547**	
	faceplate extension MM, extendable		0	138,5	20	**206630**	**232890**
		with 1 i.S.	1	138,5	20	**201841**	**232889**
			0	235	20	**206197**	**232892**
		with 1 i.S.	1	235	20	**201750**	**232891**
		with 2 i.S.	2	235	20	**214546**	
		with sash lifter	0	235	20	**212214**	
		with pull-in wedge right	0	235	20	**217865**	
		with pull-in wedge left	0	235	20	**217866**	

218214 

218215 

5.12 Faceplate extensions croppable MM

			L			№	№ Tricoat
silver	515	with sash lifter	515	250	20	**218214**	
		with sash-lifter run-up	515	250	20	**218215**	

203697 

5.13 Faceplate extensions croppable MM B-TV

				L			№	№ Tricoat
silver	1950	with 1 i.S.	1	497	260	10	**203697**	
	2200	with 1 i.S.	1	747	260	10	**203698**	
	2450	with 2 i.S.	2	997	260	10	**203699**	

227619 

5.14 Faceplate extensions for threshold 14 mm air gap

		L		№	№ Tricoat
silver	faceplate extension MM, extendable 235	235	20	**227619**	

210562 

5.15 Centre locks for threshold 14 mm air gap

				№	№ Tricoat
silver	centre lock extendable MM 1280V	801 - 1.280	10	**210562**	**232929**
	centre lock extendable MM 1500V	1.281 - 1.500	10	**210563**	

214848 

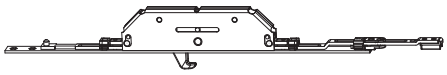
5.16 Faceplate extensions for threshold 18 mm air gap

		L		№	№ Tricoat
silver	faceplate extension MM, extendable 235	235	10	**214848**	**232930**

209882 

5.17 Centre locks for threshold 18 mm air gap

				№	№ Tricoat
silver	centre lock extendable MM 1280V	801 - 1.280	10	**209882**	**232899**
	centre lock extendable MM 1500V	1.281 - 1.500	10	**209883**	

228710 

5.18 Hook closure horizontally extendable

			L			№	№ Tricoat
silver	350	for 10 mm air gap	349	540 - 1.800	10	**229814**	
		for 7.5 mm air gap	349	540 - 1.800	10	**228710**	

210335 

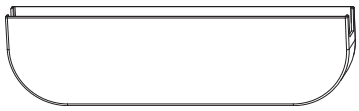
5.19 Height connectors SKB-S/SE

					№	№ Tricoat
silver	with 1 i.S.	1090	841 - 1.090	10	**210335**	**233142**
		1340	1.091 - 1.340	10	**210336**	**233143**
	with 2 i.S.	1590	1.341 - 1.590	10	**210337**	**233144**
		1700	1.591 - 1.700	10	**210338**	**233145**
	with 3 i.S.	1950	1.701 - 1.950	10	**210339**	**233146**
		2200	1.951 - 2.200	10	**210340**	**233147**
	with 4 i.S.	2450	2.201 - 2.450	10	**210341**	**233148**

210380 

5.20 Width connectors SKB-S/SE

					№	№ Tricoat
silver	with 1 i.S.	900	620 - 900	20	**210380**	**233138**
		1150	901 - 1.150	20	**210381**	**233139**
	with 2 i.S.	1400	1.151 - 1.400	20	**210382**	**233140**
		1650	1.401 - 1.650	10	**210383**	**233141**



371808

5.21 Accessories for hook closure

		№	№ Tricoat
VCI anticorrosive protective cover for additional locking point	10	**371808**	

Centre locks, Horizontal tilt locks, Faceplate extensions

6 Scissor stays

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6 Scissor stays

6.1 Rebated scissor stays

201821



201827



6.1.1 Scissor stay faceplates i.S. with night-vent

							№	№ Tricoat
silver	right	400	0	320 - 400	220 - 320	20	**201821**	**236518**
		600	0	401 - 600	321 - 490	20	**201823**	**236520**
		800	0	601 - 800	491 - 690	20	**204115**	**236522**
		1050	1	801 - 1.050		20	**201827**[1,2]	**236524**[1,2]
		1300	1	1.051 - 1.300		20	**201829**[1]	**236526**[1]
	left	400	0	320 - 400	220 - 320	20	**201822**	**236519**
		600	0	401 - 600	321 - 490	20	**201824**	**236521**
		800	0	601 - 800	491 - 690	20	**204116**	**236523**
		1050	1	801 - 1.050		20	**201828**[1,2]	**236525**[1,2]
		1300	1	1.051 - 1.300		20	**201830**[1]	**236527**[1]

[1] A stabilizing scissor stay is compulsory from a SRW of 1301 mm.
[2] Use scissor stay arm size 1300.

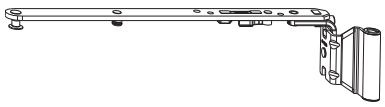
201855



6.1.2 Scissor stay arms with night-vent

					№	№ Tricoat
silver	right	400	220 - 400	20	**201853**[1]	**236528**[1]
		600	401 - 600	20	**201855**[1]	**236530**[1]
		800	601 - 800	20	**204117**[1]	**236532**[1]
		1300	801 - 1.300	20	**201857**[1]	**236534**[1]
	left	400	220 - 400	20	**201854**[1]	**236529**[1]
		600	401 - 600	20	**201856**[1]	**236531**[1]
		800	601 - 800	20	**204118**[1]	**236533**[1]
		1300	801 - 1.300	20	**201858**[1]	**236535**[1]

[1] Use only for "horizontal tilt position" (sash can be pry opened at "vertical tilt position").



202924

6.1.3 Scissor stay arms with night-vent and pre-mounted rebated scissor stay support arm AS/PVC

							№	№ Tricoat
silver	right	12/20-13	400	220 - 400	120	20	**202922**[1]	
			600	401 - 600	120	20	**202924**[1]	
			800	601 - 800	120	20	**204436**[1]	
			1300	801 - 1.300	120	20	**202926**[1]	
	left	12/20-13	400	220 - 400	120	20	**202923**[1]	
			600	401 - 600	120	20	**202925**[1]	
			800	601 - 800	120	20	**204437**[1]	
			1300	801 - 1.300	120	20	**202927**[1]	
traffic white RAL 9016	right	12/20-13	400	220 - 400	120	20	**202928**[1]	
			600	401 - 600	120	20	**202930**[1]	
			800	601 - 800	120	20	**204438**[1]	
			1300	801 - 1.300	120	20	**202932**[1]	
	left	12/20-13	400	220 - 400	120	20	**202929**[1]	
			600	401 - 600	120	20	**202931**[1]	
			800	601 - 800	120	20	**204439**[1]	
			1300	801 - 1.300	120	20	**202933**[1]	

[1] Use only for "horizontal tilt position" (sash can be pry opened at "vertical tilt position").



211128

6.1.4 Scissor stay faceplates i.S.

						№	№ Tricoat
silver	400	0	320 - 400	220 - 320	20	**206862**	**236546**
	600	0	401 - 600	321 - 490	20	**206863**	**236547**
	800	0	601 - 800	491 - 690	20	**206864**	**236548**
		1	630 - 800	520 - 690	10	**211128**	
	1050	1	801 - 1.050		20	**206865**[1,2]	**236549**[1,2]
	1300	1	1.051 - 1.300		20	**206866**[1]	**236553**[1]

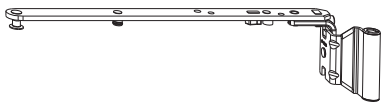
[1] A stabilizing scissor stay is compulsory from a SRW of 1301 mm.
[2] Use scissor stay arm size 1300.



207122

6.1.5 Scissor stay arms

				№	№ Tricoat
silver	400	220 - 400	20	**206856**	**236545**
	600	401 - 600	20	**207122**	**236550**
	800	601 - 800	20	**207123**	**236551**
	1300	801 - 1.300	20	**207124**	**236552**



209270

6.1.6 Scissor stay arms with pre-mounted rebated scissor stay support arm AS/PVC

								№	№ Tricoat
silver	right	12/20-13	400	220 - 400	120	20	**209268**	
			600	401 - 600	120	20	**209270**	
			800	601 - 800	120	20	**209272**	
			1300	801 - 1.300	120	20	**209274**	
	left	12/20-13	400	220 - 400	120	20	**209269**	
			600	401 - 600	120	20	**209271**	
			800	601 - 800	120	20	**209273**	
			1300	801 - 1.300	120	20	**209275**	
traffic white RAL 9016	right	12/20-13	400	220 - 400	120	20	**209539**	
			600	401 - 600	120	20	**209541**	
			800	601 - 800	120	20	**209543**	
			1300	801 - 1.300	120	20	**209545**	
	left	12/20-13	400	220 - 400	120	20	**209540**	
			600	401 - 600	120	20	**209542**	
			800	601 - 800	120	20	**209544**	
			1300	801 - 1.300	120	20	**209546**	



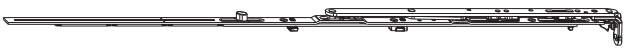
211898

6.1.7 Rebated scissor stays i.S. with night-vent

									№	№ Tricoat
silver	right	scissor stay mounted MM	400	0	320 - 400	220 - 320	20	**211673**[1]	**236563**[1]
			600	0	401 - 600	321 - 490	20	**211675**[1]	**236565**[1]
			800	0	601 - 800	491 - 690	20	**211677**[1]	**236567**[1]
				1	630 - 800		20	**211898**[1]	
			1050	1	801 - 1.050		20	**211900**[1,2]	**236612**[1,2]
			1300	1	1.051 - 1.300		20	**211902**[1,2]	**236614**[1,2]
	left	scissor stay mounted MM	400	0	320 - 400	220 - 320	20	**211674**[1]	**236564**[1]
			600	0	401 - 600	321 - 490	20	**211676**[1]	**236566**[1]
			800	0	601 - 800	491 - 690	20	**211678**[1]	**236568**[1]
				1	630 - 800		20	**211899**[1]	
			1050	1	801 - 1.050		20	**211901**[1,2]	**236613**[1,2]
			1300	1	1.051 - 1.300		20	**211903**[1,2]	**236615**[1,2]

[1] Use only for "horizontal tilt position" (sash can be pry opened at "vertical tilt position").
[2] A stabilizing scissor stay is compulsory from a SRW of 1301 mm.

211679



6.1.8 Rebated scissor stays VZ with night-vent

								№	№ Tricoat
silver	right	scissor stay mounted MM	400	0	320 - 400	220 - 320	20	**211673**[1]	**236563**[1]
			600	0	401 - 600	321 - 490	20	**211675**[1]	**236565**[1]
			800	0	601 - 800	491 - 690	20	**211677**[1]	**236567**[1]
				1	630 - 800		20	**211679**[1]	
			1050	1	801 - 1.050		20	**211681**[1,2]	
			1300	1	1.051 - 1.300		20	**211683**[1,2]	
	left	scissor stay mounted MM	400	0	320 - 400	220 - 320	20	**211674**[1]	**236564**[1]
			600	0	401 - 600	321 - 490	20	**211676**[1]	**236566**[1]
			800	0	601 - 800	491 - 690	20	**211678**[1]	**236568**[1]
				1	630 - 800		20	**211680**[1]	
			1050	1	801 - 1.050		20	**211682**[1,2]	
			1300	1	1.051 - 1.300		20	**211684**[1,2]	

[1] Use only for "horizontal tilt position" (sash can be pry opened at "vertical tilt position").
[2] A stabilizing scissor stay is compulsory from a SRW of 1301 mm.

211904



6.1.9 Rebated scissor stays i.S.

							№	№ Tricoat
silver	scissor stay mounted MM	400	0	320 - 400	220 - 320	20	**211694**	**236569**
		600	0	401 - 600	321 - 490	20	**211695**	**236610**
		800	0	601 - 800	491 - 690	20	**211696**	**236611**
			1	630 - 800		20	**211904**	**236616**
		1050	1	801 - 1.050		20	**211905**[1]	**236617**[1]
		1300	1	1.051 - 1.300		20	**211906**[1]	**236618**[1]

[1] A stabilizing scissor stay is compulsory from a SRW of 1301 mm.

211697

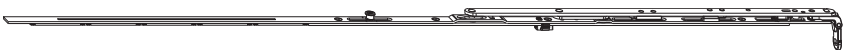


6.1.10 Rebated scissor stays VZ

							№	№ Tricoat
silver	scissor stay mounted MM	400	0	320 - 400	220 - 320	20	**211694**	**236569**
		600	0	401 - 600	321 - 490	20	**211695**	**236610**
		800	0	601 - 800	491 - 690	20	**211696**	**236611**
			1	630 - 800		20	**211697**	
		1050	1	801 - 1.050		20	**211698**[1]	
		1300	1	1.051 - 1.300		20	**211699**[1]	

[1] A stabilizing scissor stay is compulsory from a SRW of 1301 mm.

202318



6.1.11 Rebated scissor stays i.S. for angled windows

							№	№ Tricoat
silver	630	0	430 - 630	80	10	**202316**	**236537**
	800	0	500 - 800	80	10	**202317**	**236538**
		1	631 - 800	80	10	**208892**	
	1050	1	801 - 1.050	80	10	**202318**	**236539**
	1300	1	1.051 - 1.300	80	10	**202319**	**236540**

218202 

6.1.12 Rebated scissor stays i.S. for half round windows

		L							№	№ Tricoat
silver	9 mm offset	1250	745	335	450 - 1.625	450 - 1.250	80	10	**206597**[1,2]	**236536**[1,2]
	13 mm offset	1250	745	335	450 - 1.625	450 - 1.250	80	10	**218202**[1,2]	**236870**[1,2]

[1] For arched windows, the notch at the striker is positioned at the beginning of the rounding. In the case of basket and segmental arch windows, the end piece or corner element is positioned at the beginning of the rounding, which is why the application range SRH of the rebated scissor stay for half round windows is increased by 193 mm (78 mm + 115 mm of end piece or corner element).
[2] From SRW 1001 mm, use of the stabilizing scissor stay is mandatory.

204829 

6.1.13 Tilt-first scissor stay faceplates i.S.

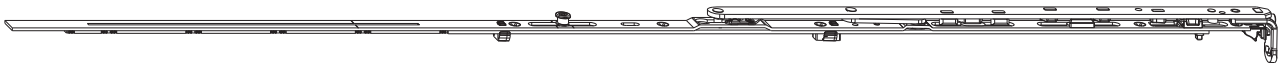
						№	№ Tricoat
silver	400	0	320 - 400	220 - 320	10	**204826**	
	600	0	401 - 600	321 - 490	10	**204827**	
	800	0	601 - 800	491 - 690	10	**204828**	
	1050	1	801 - 1.050		10	**204829**[1,2]	
	1300	1	1.051 - 1.300		10	**204830**[1]	

[1] A stabilizing scissor stay is compulsory from a SRW of 1301 mm.
[2] Use scissor stay arm size 1300.

204832 

6.1.14 Tilt-first scissor stay arms

				№	№ Tricoat
silver	400	220 - 400	10	**204831**	
	600	401 - 600	10	**204832**	
	800	601 - 800	10	**204833**	
	1300	801 - 1.300	10	**204834**	

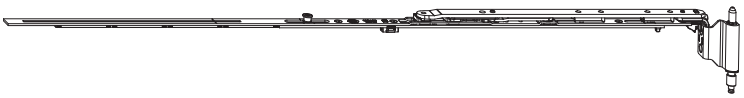
212081 

6.1.15 Tilt-first rebated scissor stays i.S.

							№	№ Tricoat
silver	scissor stay mounted MM	400	0	320 - 400	220 - 320	10	**212077**	**236619**
		600	0	401 - 600	321 - 490	10	**212078**	**236620**
		800	0	601 - 800	491 - 690	10	**212079**	**236621**
			1	630 - 800		10	**212080**	**236622**
		1050	1	801 - 1.050		10	**212081**[1]	**236623**[1]
		1300	1	1.051 - 1.300		10	**212082**[1]	**236624**[1]

[1] A stabilizing scissor stay is compulsory from a SRW of 1301 mm.

6.2 Rebated scissor stays MULTI MAMMUT



223612

6.2.1 Rebated scissor stays MULTI MAMMUT 9 mm offset

T

									№	№ Tricoat
silver	right	12/18-9	670	0	401 - 670	310 - 400	220	10	**223594**	**236975**
			890	1	671 - 890	601 - 670	220	10	**223596**	**236977**
			1200	1	891 - 1.200		220	10	**223598**	**236629**
			1500	2	1.201 - 1.500		220	10	**223600**[1]	**236978**[1]
	left	12/18-9	670	0	401 - 670	310 - 400	220	10	**223595**	**236976**
			890	1	671 - 890	601 - 670	220	10	**223597**	**236628**
			1200	1	891 - 1.200		220	10	**223599**	**236630**
			1500	2	1.201 - 1.500		220	10	**223601**[1]	**236979**[1]
	right	12/20-9	670	0	401 - 670	310 - 400	220	10	**223610**	**236639**
			890	1	671 - 890	601 - 670	220	10	**223612**	**236641**
			1200	1	891 - 1.200		220	10	**223614**	**236643**
			1500	2	1.201 - 1.500		220	10	**223616**[1]	**236645**[1]
	left	12/20-9	670	0	401 - 670	310 - 400	220	10	**223611**	**236640**
			890	1	671 - 890	601 - 670	220	10	**223613**	**236642**
			1200	1	891 - 1.200		220	10	**223615**	**236644**
			1500	2	1.201 - 1.500		220	10	**223617**[1]	**236646**[1]
traffic white RAL 9016	right	12/18-9	670	0	401 - 670	310 - 400	220	10	**223626**	
			890	1	671 - 890	601 - 670	220	10	**223628**	
			1200	1	891 - 1.200		220	10	**223630**	
			1500	2	1.201 - 1.500		220	10	**223632**[1]	
	left	12/18-9	670	0	401 - 670	310 - 400	220	10	**223627**	
			890	1	671 - 890	601 - 670	220	10	**223629**	
			1200	1	891 - 1.200		220	10	**223631**	
			1500	2	1.201 - 1.500		220	10	**223633**[1]	
	right	12/20-9	670	0	401 - 670	310 - 400	220	10	**223642**	
			890	1	671 - 890	601 - 670	220	10	**223644**	
			1200	1	891 - 1.200		220	10	**223646**	
			1500	2	1.201 - 1.500		220	10	**223648**[1]	
	left	12/20-9	670	0	401 - 670	310 - 400	220	10	**223643**	
			890	1	671 - 890	601 - 670	220	10	**223645**	
			1200	1	891 - 1.200		220	10	**223647**	
			1500	2	1.201 - 1.500		220	10	**223649**[1]	

[1] From SRW 1401 mm, use of the stabilizing scissor stay is recommended. From SRW 1401 - 1435 mm, scissor stay size 1200 + stabilizing scissor stay must be used.



223620

6.2.2 Rebated scissor stays MULTI MAMMUT 13 mm offset									№	№ Tricoat
silver	right	12/18-13	670	0	401 - 670	310 - 400	220	10	**223602**	**236631**
			890	1	671 - 890	601 - 670	220	10	**223604**	**236633**
			1200	1	891 - 1.200		220	10	**223606**	**236635**
			1500	2	1.201 - 1.500		220	10	**223608**[1]	**236637**[1]
	left	12/18-13	670	0	401 - 670	310 - 400	220	10	**223603**	**236632**
			890	1	671 - 890	601 - 670	220	10	**223605**	**236634**
			1200	1	891 - 1.200		220	10	**223607**	**236636**
			1500	2	1.201 - 1.500		220	10	**223609**[1]	**236638**[1]
	right	12/20-13	670	0	401 - 670	310 - 400	220	10	**223618**	**236647**
			890	1	671 - 890	601 - 670	220	10	**223620**	**236648**
			1200	1	891 - 1.200		220	10	**223622**	**236650**
			1500	2	1.201 - 1.500		220	10	**223624**[1]	**236981**[1]
	left	12/20-13	670	0	401 - 670	310 - 400	220	10	**223619**	**236980**
			890	1	671 - 890	601 - 670	220	10	**223621**	**236649**
			1200	1	891 - 1.200		220	10	**223623**	**236651**
			1500	2	1.201 - 1.500		220	10	**223625**[1]	**236982**[1]
traffic white RAL 9016	right	12/18-13	670	0	401 - 670	310 - 400	220	10	**223634**	
			890	1	671 - 890	601 - 670	220	10	**223636**	
			1200	1	891 - 1.200		220	10	**223638**	
			1500	2	1.201 - 1.500		220	10	**223640**[1]	
	left	12/18-13	670	0	401 - 670	310 - 400	220	10	**223635**	
			890	1	671 - 890	601 - 670	220	10	**223637**	
			1200	1	891 - 1.200		220	10	**223639**	
			1500	2	1.201 - 1.500		220	10	**223641**[1]	
	right	12/20-13	670	0	401 - 670	310 - 400	220	10	**223650**	
			890	1	671 - 890	601 - 670	220	10	**223652**	
			1200	1	891 - 1.200		220	10	**223654**	
			1500	2	1.201 - 1.500		220	10	**223656**[1]	
	left	12/20-13	670	0	401 - 670	310 - 400	220	10	**223651**	
			890	1	671 - 890	601 - 670	220	10	**223653**	
			1200	1	891 - 1.200		220	10	**223655**	
			1500	2	1.201 - 1.500		220	10	**223657**[1]	

[1] From SRW 1401 mm, use of the stabilizing scissor stay is recommended. From SRW 1401 - 1435 mm, scissor stay size 1200 + stabilizing scissor stay must be used.

6.3 Scissor stays MULTI POWER

217348

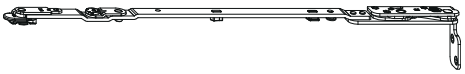


6.3.1 T&T/tilt-first scissor stay faceplates MULTI POWER

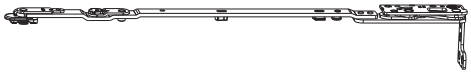
silver	600	0	465 - 600	370 - 490	150	20	**217346**	**236652**
	800	0	601 - 800	491 - 690	150	20	**217347**	**236653**
	1050	1	801 - 1.050		150	20	**217348**	**236654**
	1300	1	1.051 - 1.300		150	20	**217349**[1]	**236655**[1]

[1] A stabilizing scissor stay is compulsory from a SRW of 1301 mm.

217474



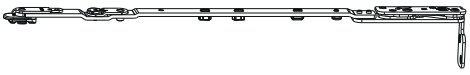
217482



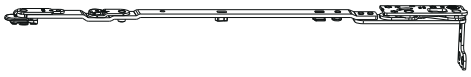
6.3.2 T&T scissor stay arms with hinge for MULTI POWER

silver	right	9 mm offset	timber 24 mm rebate depth	600/800	330	370 - 800	150	10	**217468**	**236656**
				1050/1300	442	801 - 1.300	150	10	**217472**	**236711**
			timber/PVC 30 mm rebate depth	600/800	330	370 - 800	150	10	**217476**	
				1050/1300	442	801 - 1.300	150	10	**217480**	
		13 mm offset	timber 24 mm rebate depth	600/800	330	370 - 800	150	10	**217470**	**236658**
				1050/1300	442	801 - 1.300	150	10	**217474**	**236713**
			timber/PVC 30 mm rebate depth	600/800	330	370 - 800	150	10	**217478**	**236715**
				1050/1300	442	801 - 1.300	150	10	**217482**	**236717**
	left	9 mm offset	timber 24 mm rebate depth	600/800	330	370 - 800	150	10	**217469**	**236657**
				1050/1300	442	801 - 1.300	150	10	**217473**	**236712**
			timber/PVC 30 mm rebate depth	600/800	330	370 - 800	150	10	**217477**	
				1050/1300	442	801 - 1.300	150	10	**217481**	
		13 mm offset	timber 24 mm rebate depth	600/800	330	370 - 800	150	10	**217471**	**236710**
				1050/1300	442	801 - 1.300	150	10	**217475**	**236714**
			timber/PVC 30 mm rebate depth	600/800	330	370 - 800	150	10	**217479**	**236716**
				1050/1300	442	801 - 1.300	150	10	**217483**	**236718**

217490



217498



6.3.3 Tilt-first scissor stay arms with hinge for MULTI POWER

silver	right	9 mm offset	timber 24 mm rebate depth	600/800	330	370 - 800	150	10	**217484**	**236727**
				1050/1300	442	801 - 1.300	150	10	**217488**	**236729**
			timber/PVC 30 mm rebate depth	1050/1300	442	801 - 1.300	150	10	**217496**	
		13 mm offset	timber 24 mm rebate depth	600/800	330	370 - 800	150	10	**217486**	**236731**
				1050/1300	442	801 - 1.300	150	10	**217490**	**236733**
			timber/PVC 30 mm rebate depth	600/800	330	370 - 800	150	10	**217494**	**236735**
				1050/1300	442	801 - 1.300	150	10	**217498**	**236736**
	left	9 mm offset	timber 24 mm rebate depth	600/800	330	370 - 800	150	10	**217485**	**236728**
				1050/1300	442	801 - 1.300	150	10	**217489**	**236730**
			timber/PVC 30 mm rebate depth	1050/1300	442	801 - 1.300	150	10	**217497**	
		13 mm offset	timber 24 mm rebate depth	600/800	330	370 - 800	150	10	**217487**	**236732**
				1050/1300	442	801 - 1.300	150	10	**217491**	**236734**
			timber/PVC 30 mm rebate depth	600/800	330	370 - 800	150	10	**217495**	**250573**
				1050/1300	442	801 - 1.300	150	10	**217499**	**236737**

217564



217566



6.3.4 T&T scissor stay faceplates with night-vent MULTI POWER

									№	№ Tricoat
silver	right	600	0	465 - 600	370 - 490	150	20	**217562**[1]	**236719**[1]
		800	0	601 - 800	491 - 690	150	20	**217564**[1]	**236721**[1]
		1050	1	801 - 1.050		150	20	**217566**[1]	**236723**[1]
		1300	1	1.051 - 1.300		150	20	**217568**[1,2]	**236725**[1,2]
	left	600	0	465 - 600	370 - 490	150	20	**217563**[1]	**236720**[1]
		800	0	601 - 800	491 - 690	150	20	**217565**[1]	**236722**[1]
		1050	1	801 - 1.050		150	20	**217567**[1]	**236724**[1]
		1300	1	1.051 - 1.300		150	20	**217569**[1,2]	**236726**[1,2]

[1] Use only for "horizontal tilt position" (sash can be pry opened at "vertical tilt position").
[2] A stabilizing scissor stay is compulsory from a SRW of 1301 mm.

217647



217655



6.3.5 T&T scissor stay arms with hinge with night-vent for MULTI POWER

					L				№	№ Tricoat
silver	right	9 mm offset	aluminium 10/14	600/800	330	370 - 800	150	10	**250416**[1]	
				1050/1300	442	801 - 1.300	150	10	**250418**[1]	
			aluminium 14/18	600/800	330	370 - 800	150	10	**250412**[1]	
				1050/1300	442	801 - 1.300	150	10	**250414**[1]	
			timber 24 mm rebate depth	600/800	330	370 - 800	150	10	**217641**[1]	**236738**[1]
				1050/1300	442	801 - 1.300	150	10	**217645**[1]	**236860**[1]
			timber/PVC 30 mm rebate depth	600/800	330	370 - 800	150	10	**217649**[1]	
				1050/1300	442	801 - 1.300	150	10	**217653**[1]	
		13 mm offset	timber 24 mm rebate depth	600/800	330	370 - 800	150	10	**217643**[1]	**236862**[1]
				1050/1300	442	801 - 1.300	150	10	**217647**[1]	**236864**[1]
			timber/PVC 30 mm rebate depth	600/800	330	370 - 800	150	10	**217651**[1]	**236866**[1]
				1050/1300	442	801 - 1.300	150	10	**217655**[1]	**236868**[1]
	left	9 mm offset	aluminium 10/14	600/800	330	370 - 800	150	10	**250417**[1]	
				1050/1300	442	801 - 1.300	150	10	**250419**[1]	
			aluminium 14/18	600/800	330	370 - 800	150	10	**250413**[1]	
				1050/1300	442	801 - 1.300	150	10	**250415**[1]	
			timber 24 mm rebate depth	600/800	330	370 - 800	150	10	**217642**[1]	**236739**[1]
				1050/1300	442	801 - 1.300	150	10	**217646**[1]	**236861**[1]
			timber/PVC 30 mm rebate depth	600/800	330	370 - 800	150	10	**217650**[1]	
				1050/1300	442	801 - 1.300	150	10	**217654**[1]	
		13 mm offset	timber 24 mm rebate depth	600/800	330	370 - 800	150	10	**217644**[1]	**236863**[1]
				1050/1300	442	801 - 1.300	150	10	**217648**[1]	**236865**[1]
			timber/PVC 30 mm rebate depth	600/800	330	370 - 800	150	10	**217652**[1]	**236867**[1]
				1050/1300	442	801 - 1.300	150	10	**217656**[1]	**236869**[1]

[1] Use only for "horizontal tilt position" (sash can be pry opened at "vertical tilt position").

6.4 Comfort scissor stays

215055



6.4.1 Scissor stay faceplates for comfort scissor stay

							№	№ Tricoat
silver	right	800	0	601 - 800	490 - 600	10	**215053**	**236559**
		1050	1	801 - 1.050		10	**215055**[1]	**236561**[1]
	left	800	0	601 - 800	490 - 600	10	**215054**	**236560**
		1050	1	801 - 1.050		10	**215056**[1]	**236562**[1]

[1] From SRW 1051 mm, the use of a faceplate extension / center lock is necessary to implement larger application ranges (max. 1400 mm).

215051



6.4.2 Rebated scissor stay arms for comfort scissor stay

				kg		№	№ Tricoat
silver	right	800/1050	490 - 1.050	80	10	**215051**	**236557**
	left	800/1050	490 - 1.050	80	10	**215052**	**236558**

209723



101548

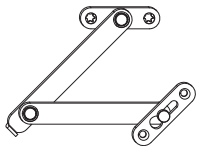


6.5 Tilt stays

		L	kg		№	№ Tricoat
silver	tilt stay with fixing tab	204	80	20	**209723**[1]	**236899**[1]
	tilt stay with screwhole mounting	204	80	20	**101548**[1]	**236898**[1]

[1] Please note: The minimum sash rebate height depends on window profile or geometry!

11026

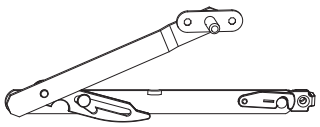
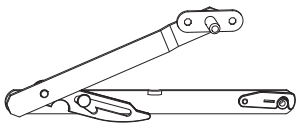
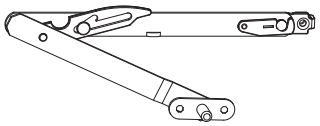
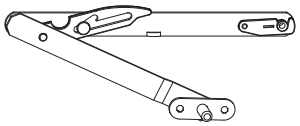


6.6 Horizontal tilt stays

	L			kg		№	№ Tricoat
silver	190	1.400	210 - 800	40	20	**11026**[1]	**106015**[1]
	250	1.400	210 - 800	40	20	**11027**[1]	

[1] Use always two pieces per window!

6.7 Restrictor and cleaning stays

455347 104304

6.7.1 Restrictor and cleaning stays

				kg		№	№ Tricoat
silver	Restrictor and cleaning stay with fixing tab	size 1	300 - 500	40	10	**455347**[1,2]	
		size 2	501 - 1.200	40	10	**455348**[2]	
	Restrictor and cleaning stay with screw hole fixing	size 1	300 - 500	40	10	**104304**[1,2]	
		size 2	501 - 1.200	40	10	**104305**[2]	

[1] Application range for Multi Power: 701 - 1200 mm.
[2] One piece = one pair.

6.7.2 Accessories for restrictor and cleaning stays

455386 

P 6.7.2.1 Spacer plates for restrictor and cleaning stay

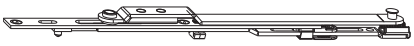
				№	№ Tricoat
silver	1 mm	1	20	**455386**	
	3 mm	3	20	**455349**	
	6 mm	6	20	**455387**	
	5° pitched		20	**455388**	

368425 

6.7.2.2 Hinge bolt with screw hole for restrictor and cleaning stay

	kg		№	№ Tricoat
silver	40	100	**368425**	

6.8 Accessories for scissor stays

213043 

207431 

203765 

6.8.1 Stabilizing scissor stays

		L		№	№ Tricoat
silver	stabilizing scissor stay MM mounted without night-vent	235	20	**213043**	**236555**
	stabilizing scissor stay arm MM without night-vent	231,5	20	**207431**	**236554**
	stabilizing scissor stay faceplate MM	235	20	**203765**	**236541**

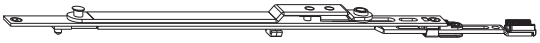
213041 

203766 

203765 

6.8.2 Stabilizing scissor stays with night-vent

			L		№	№ Tricoat
silver	right	stabilizing scissor stay MM mounted	235	20	**213041**	**236625**
	left	stabilizing scissor stay MM mounted	235	20	**213042**	**236626**
	right	stabilizing scissor stay arm MM	231,5	20	**203766**	**236542**
	left	stabilizing scissor stay arm MM	231,5	20	**203767**	**236543**
		stabilizing scissor stay faceplate MM	235	20	**203765**	**236541**

213044 

205933 

205934 

6.8.3 Stabilizing scissor stays for tilt-first windows

		L		№	№ Tricoat
silver	stabilizing scissor stay MM mounted for tilt-first	330	20	**213044**	**236627**
	stabilizing scissor stay arm MM for tilt-first	231,5	20	**205933**	
	stabilizing scissor stay faceplate MM for tilt-first	330	20	**205934**	

203961 

6.8.4 Stabilizing scissor stays for half round windows

		L		№	№ Tricoat
silver	with 2 i.S.	945	10	**203961**	**236544**

43548 

6.8.5 Anti-slam devices

			№	№ Tricoat
traffic white RAL 9016	for scissor stay, sizes 2-4 or 1050/1300	100	**43549**	
graphite black RAL 9011	for scissor stay, sizes 00-1 or 600/800	100	**43548**	

43551 

6.8.6 Scissor stay restrictors

			№	№ Tricoat
traffic white RAL 9016	for scissor stay, sizes 2-4 or 1050/1300	100	**43552**[1,2]	
	for stabilizing scissor stay	100	**43613**[1]	
graphite black RAL 9011	for scissor stay, sizes 00-1 or 600/800	100	**43551**[1,3]	

[1] Scissor stay restrictor absolutely necessary for SRH below 800 mm. A scissor stay restrictor may be necessary for a SRH above 800 mm, if required by the window profile and/or the window geometry.
[2] Opening dimension: 80 mm for scissor stay size 1050; 60 mm for size 1300.
[3] Opening dimension: 75 mm for scissor stay size 600; 60 mm for size 800.


105316

6.8.7 Fixing of scissor stays for French casement EH

		№	№ Tricoat
silver	50	**105316**	**236516**

369474  366012 

6.8.8 Anti-slam devices / scissor stay restrictors MULTI POWER

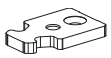
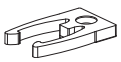
			№	№ Tricoat
grey F1	anti-slam device MULTI POWER	20	**369474**	
sky blue RAL 5015	scissor stay restrictor for scissor stay MULTI POWER, sizes 0/1 or 600/800	100	**366011**[1,2]	
brown	scissor stay restrictor for scissor stay MULTI POWER, sizes 2/3 or 1050/1300	100	**366012**[2,3]	

[1] Tilt opening 100 mm.
[2] Scissor stay restrictor absolutely necessary for SRH below 800 mm. A scissor stay restrictor may be necessary for a SRH above 800 mm, if required by the window profile and/or the window geometry.
[3] Tilt opening 110 mm.

362918 

6.8.9 Screws for scissor stays MULTI POWER

		Ø	L		№	№ Tricoat
silver	special drill screw Multi Power Phillips	4,5	38	100	**362918**	**106029**
	special drill screw Multi Power TX20	4,5	38	500	**367828**	**106027**

368077  371916 

6.8.10 Anti-slam devices / scissor stay restrictors MULTI MAMMUT

			№	№ Tricoat
silver	anti-slam device rough-running Multi Mammut	50	**368075**	
	anti-slam device smooth-running Multi Mammut	50	**368076**[1]	
	scissor stay restrictor for scissor stay Multi Mammut	50	**368077**[2]	
sky blue RAL 5015	anti-slam device for scissor stay Multi Mammut	50	**371916**[3]	

[1] For sash weight up to 60 kg.
[2] Scissor stay restrictor absolutely necessary for SRH below 800 mm. A scissor stay restrictor may be necessary for a SRH above 800 mm, if required by the window profile and/or the window geometry.
[3] As of delivery date approx. 2018-10.

7 Turn-only and tilt-only hinges, compression devices

7.1 Turn-only hinges - sash part AS/DTuni/PVC 204

7.2 Turn and tilt hinges - sash part AS/DTuni/PVC 206

7.3 Turn-only hinges - sash part MULTI MAMMUT 207

7.4 Tilt-only and turn-only hinges - sash part MULTI POWER 208

7.5 Turn-only hinges - frame part for 3-sashed windows 210

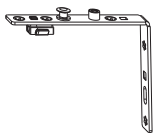
7.6 Multi-sash centre frame hinges 211

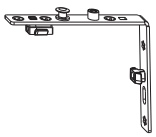
7.7 Compression devices 213

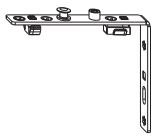
7.8 Cover caps 216

7 Turn-only and tilt-only hinges, compression devices

7.1 Turn-only hinges - sash part AS/DTuni/PVC


202270


207817


210025

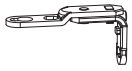
7.1.1 Turn and tilt hinge faceplates AS/DTuni/PVC

			Tricoat
silver	top turn-only hinge corner-bracket MM	50	**202270**	**236395**
	top turn-only hinge corner-bracket with second positioning component MM	50	**207817**	**236396**
	turn-only and tilt-only faceplate for installation with automated machinery MM	50	**210025**	


202269

7.1.2 Turn-only hinge faceplates croppable

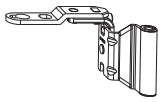
				L				Tricoat
silver		600	0	498,5	350 - 600	20	**202269**	**236397**
		800	0	697,5	601 - 800	20	**205940**	**236398**
	with 1 i.S.	1050	1	947,5	801 - 1.050	20	**205941**	**236399**


202271

7.1.3 Turn-only hinge arm for turn and tilt hinge faceplates

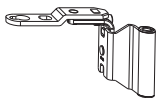
		kg			Tricoat
silver	turn-only hinge arm AS/DTuni/PVC for turn-only hinge faceplate MM	120	50	**202271**[1]	**236432**[1]

[1] With rebated scissor stay support arm DT 130 kg.


202879

7.1.4 Turn-only hinge arms with rebated scissor stay support arm AS/PVC for turn and tilt hinge faceplates

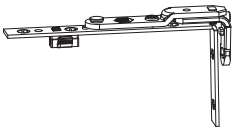
			kg			Tricoat
silver	right	12/20-13	120	20	**202879**	
	left	12/20-13	120	20	**202880**	
traffic white RAL 9016	right	12/20-13	120	20	**207392**	
	left	12/20-13	120	20	**207391**	


217187

7.1.5 Turn-only hinge arms with rebated scissor stay support arm DTuni for turn and tilt hinge faceplates

			kg			Tricoat
silver	right	12/18-13	130	20	**217187**	
	left	12/18-13	130	20	**217188**	
traffic white RAL 9016	right	12/18-13	130	20	**217189**	
	left	12/18-13	130	20	**217190**	

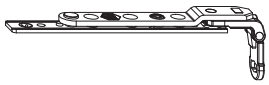

52702


52462

7.1.6 Turn-only hinges - sash part AS/DTuni/PVC

			L	kg		№	№ Tricoat
silver	turn-only hinge on top DTuni	timber	152	130	50	**52702**[1,2,3]	**236300**[1,2,3]
	turn-only hinge on top PVC + AS corner hinge version		143	120	50	**52462**[1,4]	**236299**[1,4]

[1] For sash weight above 100 kg use the faceplate extension (item no. 360327 or item no. 215572)!
[2] For 13 mm offset without Eurogroove use spacer clips item no. 357881.
[3] For Eurogroove use packer item no. 41103.
[4] Only suitable for timber with hardware groove.


206315

7.1.7 Turn-only hinges - sash part for angled windows AS/DTuni/PVC

			№	№ Tricoat
silver		20	**206315**[1,2,3]	**236394**[1,2,3]

[1] For sash weight above 100 kg use the faceplate extension (item no. 360327 or item no. 215572)!
[2] For 13 mm offset without Eurogroove use spacer clips item no. 357881.
[3] For Eurogroove use packer item no. 41103.


41103

7.1.8 Packer for turn-only hinge - sash part top DTuni

	L		№	№ Tricoat
natural	142	100	**41103**	

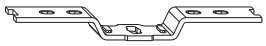

360327

7.1.9 Faceplate extensions for turn-only hinges - sash part

		L		№	№ Tricoat
silver	DTuni	180	20	**360327**[1]	
	AS/PVC	180	20	**215572**[1]	

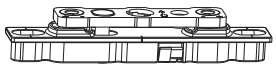
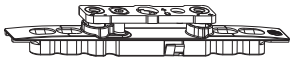
[1] For sash weight above 100 kg use the faceplate extension!

7.2 Turn and tilt hinges - sash part AS/DTuni/PVC

94030  52468 

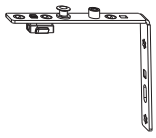
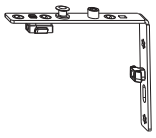
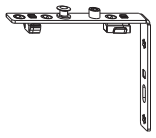
7.2.1 Turn and tilt hinges - sash part AS/DTuni/PVC		L	kg		№	№ Tricoat
silver	tilt-only hinge and turn-only hinge AS/PVC	130	80	100	**94030**[1,2]	**385085**[1,2]
	tilt-only hinge and turn-only hinge AS/DTuni	159	80	100	**52468**[1,3]	**385084**[1,3]

[1] When our restrictor and cleaning stay is used, the maximum sash weight is 40 kg. Observe FPKF guideline of the Gütegemeinschaft Schlösser und Beschläge (quality community for locks and hardware)!
[2] For Eurogroove.
[3] Without Eurogroove.

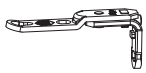
58472  52321  206340 

7.2.2 Turn and tilt hinges adjustable AS/DTuni/PVC		L	kg		№	№ Tricoat
silver	tilt-only hinge and turn-only hinge AS/PVC as centre hinge	106	0	50	**58472**[1,2,3]	
	tilt-only hinge and turn-only hinge AS/DTuni/PVC adjustable	146	80	50	**52321**[2,3]	**236298**[2,3]
	tilt-only hinge and turn-only hinge DTuni as centre hinge	200	0	50	**206340**[1,2]	**236304**[1,2]

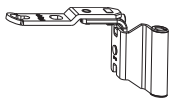
[1] May only be used as centre hinge!
[2] When our restrictor and cleaning stay is used, the maximum sash weight is 40 kg. Observe FPKF guideline of the Gütegemeinschaft Schlösser und Beschläge (quality community for locks and hardware)!
[3] For Eurogroove.

202270  207817  210025 

7.2.3 Turn and tilt hinge faceplates AS/DTuni/PVC			№	№ Tricoat
silver	top turn-only hinge corner-bracket MM	50	**202270**	**236395**
	top turn-only hinge corner-bracket with second positioning component MM	50	**207817**	**236396**
	turn-only and tilt-only faceplate for installation with automated machinery MM	50	**210025**	

213297 

7.2.4 Tilt-only hinge arm for turn and tilt hinge faceplate		№	№ Tricoat
silver	20	**213297**	

217192 

7.2.5 Tilt-only hinge arms with rebated scissor stay support arm DTuni for turn and tilt hinge faceplate			kg		№	№ Tricoat
silver	left	12/18-13	130	20	**217192**	
traffic white RAL 9016	right	12/18-13	130	20	**217193**	
	left	12/18-13	130	20	**217194**	

7.3 Turn-only hinges - sash part MULTI MAMMUT

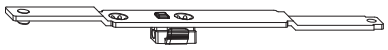


223776

7.3.1 Turn-only hinges - sash part croppable MULTI MAMMUT

					№	№ Tricoat
silver	right	12/18-9	400 - 635	10	**223776**[1]	**236916**[1]
	left	12/18-9	400 - 635	10	**223777**[1]	**236917**[1]
	right	12/18-13	400 - 635	10	**223778**[1]	**236420**[1]
	left	12/18-13	400 - 635	10	**223779**[1]	**236421**[1]
	right	12/20-9	400 - 635	10	**223780**[1]	**236422**[1]
	left	12/20-9	400 - 635	10	**223781**[1]	**236423**[1]
	right	12/20-13	400 - 635	10	**223782**[1]	**236918**[1]
	left	12/20-13	400 - 635	10	**223783**[1]	**236919**[1]
traffic white RAL 9016	right	12/18-9	400 - 635	10	**223784**[1]	
	left	12/18-9	400 - 635	10	**223785**[1]	
	right	12/18-13	400 - 635	10	**223786**[1]	
	left	12/18-13	400 - 635	10	**223787**[1]	
	right	12/20-9	400 - 635	10	**223788**[1]	
	left	12/20-9	400 - 635	10	**223789**[1]	
	right	12/20-13	400 - 635	10	**223790**[1]	
	left	12/20-13	400 - 635	10	**223791**[1]	

[1] Above the maximum application range use faceplate extension and centre lock.



202867

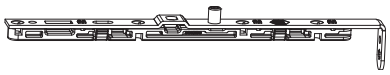
7.3.2 Faceplate extension for turn-only hinge - sash part MULTI MAMMUT

			№	№ Tricoat
silver	385 - 1.800	20	**202867**[1]	**236913**[1]

[1] For the use as fixed turn-only hinge combine with croppable turn-only hinge.

7.4 Tilt-only and turn-only hinges - sash part MULTI POWER

7.4.1 Turn-only and tilt-only hinge faceplates / turn-only and tilt-only hinge arms with hinge MULTI POWER



217729

7.4.1.1 Turn-only and tilt-only hinge faceplate fixed MULTI POWER

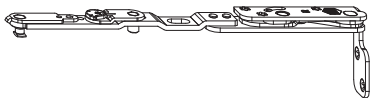
					№	№ Tricoat
silver	255 - 1.400	150	20		**217729**	**236305**



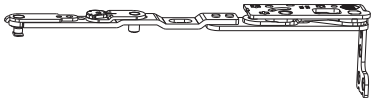
217687

7.4.1.2 Turn-only hinge faceplates croppable MULTI POWER

						№	№ Tricoat
silver	600	0	401 - 600	320 - 490	20	**217685**	**236424**
	800	0	601 - 800		20	**217686**	**236425**
	1050	1	801 - 1.050		20	**217687**	**236426**
	1300	1	1.051 - 1.300		20	**217688**	**236427**



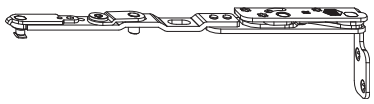
217691

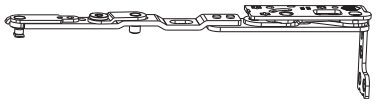


217695

7.4.1.3 Turn-only hinge arms with hinge MULTI POWER

							№	№ Tricoat
silver	aluminium 10/14	right	9 mm offset	255 - 1.400	150	10	**250406**	
		left	9 mm offset	255 - 1.400	150	10	**250407**	
	aluminium 14/18	right	9 mm offset	255 - 1.400	150	10	**250404**	
		left	9 mm offset	255 - 1.400	150	10	**250405**	
	timber 24 mm rebate depth	right	9 mm offset	255 - 1.400	150	10	**217689**	**236306**
		left	9 mm offset	255 - 1.400	150	10	**217690**	**236307**
		right	13 mm offset	255 - 1.400	150	10	**217691**	**236308**
		left	13 mm offset	255 - 1.400	150	10	**217692**	**236309**
	timber/PVC 30 mm rebate depth	right	9 mm offset	255 - 1.400	150	10	**217693**	
		left	9 mm offset	255 - 1.400	150	10	**217694**	
		right	13 mm offset	255 - 1.400	150	10	**217695**	**236350**
		left	13 mm offset	255 - 1.400	150	10	**217696**	**236351**


217723


217727

7.4.1.4 Tilt-only hinge arms with hinge MULTI POWER

							№	№ Tricoat
silver	aluminium 10/14	right	9 mm offset	255 - 1.200	80	10	**250410**[1,2]	
		left	9 mm offset	255 - 1.200	80	10	**250411**[1,2]	
	aluminium 14/18	right	9 mm offset	255 - 1.200	80	10	**250408**[1,2]	
		left	9 mm offset	255 - 1.200	80	10	**250409**[1,2]	
	timber 24 mm rebate depth	right	9 mm offset	255 - 1.200	80	10	**217721**[1,2]	**236358**[1,2]
		left	9 mm offset	255 - 1.200	80	10	**217722**[1,2]	**236359**[1,2]
		right	13 mm offset	255 - 1.200	80	10	**217723**[1,2]	**236390**[1,2]
		left	13 mm offset	255 - 1.200	80	10	**217724**[1,2]	**236391**[1,2]
	timber/PVC 30 mm rebate depth	right	9 mm offset	255 - 1.200	80	10	**217725**[1,2]	
		left	9 mm offset	255 - 1.200	80	10	**217726**[1,2]	
		right	13 mm offset	255 - 1.200	80	10	**217727**[1,2]	**236392**[1,2]
		left	13 mm offset	255 - 1.200	80	10	**217728**[1,2]	**236393**[1,2]

[1] Observe guideline FPKF (restrictor and cleaning stay) published by "Gütegemeinschaft Schlösser und Beschläge e.V." (www.schlossindustrie.de)!
[2] SRW max. 2400 mm. The sash must be stabilized (e.g. taped).

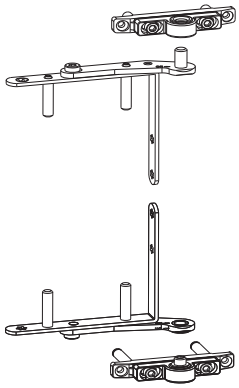

217715


217719

7.4.1.5 Turn-only hinge arms with hinge for 3-sashed windows MULTI POWER

							№	№ Tricoat
silver	timber 24 mm rebate depth	right	9 mm offset	255 - 1.400	80	10	**217713**	**236352**
		left	9 mm offset	255 - 1.400	80	10	**217714**	**236353**
		right	13 mm offset	255 - 1.400	80	10	**217715**	**236354**
		left	13 mm offset	255 - 1.400	80	10	**217716**	**236355**
	timber/PVC 30 mm rebate depth	right	9 mm offset	255 - 1.400	80	10	**217717**	
		left	9 mm offset	255 - 1.400	80	10	**217718**	
		right	13 mm offset	255 - 1.400	80	10	**217719**	**236356**
		left	13 mm offset	255 - 1.400	80	10	**217720**	**236357**

7.5 Turn-only hinges - frame part for 3-sashed windows

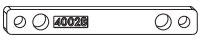


10721

7.5.1 Turn-only hinges - frame part for 3-sashed windows

				kg		№	№ Tricoat
silver	PVC	left	top + bottom	60	20	**10756**[1]	
	timber	right	top + bottom	80	20	**10721**[1,2]	
		left	top + bottom	80	20	**10722**[1,2]	
traffic white RAL 9016	PVC	right	top + bottom	60	20	**10901**	
		left	top + bottom	60	20	**10902**[1]	
	timber	right	top + bottom	80	20	**11251**[1,2]	
		left	top + bottom	80	20	**11252**[1,2]	

[1] No cover caps are enclosed in the packaging for the frame components for pure silver sash components.
[2] CAUTION: When using the 2 mm and 4 mm packers, the max. sash weight is 60 kg!

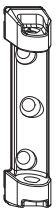
43709 

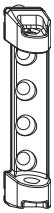
7.5.2 Packers for turn-only hinges - frame part for 3-sashed windows

			№	№ Tricoat
silver	4	100	**43709**[1]	
pearl light grey RAL 9022	2	100	**354023**[1]	
white	4	100	**44199**[1]	

[1] CAUTION: When using the 2 mm and 4 mm packers, the max. sash weight is 60 kg!

7.6 Multi-sash centre frame hinges


57930


202848

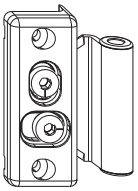
7.6.1 Multi-sash centre frame hinge bearings

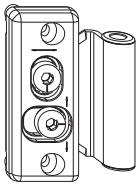
				kg		№	№ Tricoat
silver	scissor stay hinge PVC	with 3 mm positioning pin	PVC	100	100	**52480**	**233348**
	multi-sash centre frame hinge bearing	with centering tip	timber	60	50	**57930**	**236900**
		with 7 mm supporting pin	timber/PVC	60	50	**202848**	**236433**
traffic white RAL 9016	multi-sash centre frame hinge bearing	with 7 mm supporting pin	PVC	60	50	**205705**	


44470

7.6.2 Packers for multi-sash centre frame hinge bearings

					№	№ Tricoat
traffic white RAL 9016	with 3 mm positioning pin	2,4	100	**44477**	
	with 7 mm supporting pin	2,4	100	**44470**	
pearl light grey RAL 9022	with 3 mm positioning pin	2,4	100	**44482**	
	with 7 mm supporting pin	2,4	100	**44475**	
brown F5	with 3 mm positioning pin	2,4	100	**44481**	
	with 7 mm supporting pin	2,4	100	**44474**	


57892


204249

7.6.3 Multi-sash centre frame hinges - sash part

				kg		№	№ Tricoat
silver			timber	60	50	**57892**	**236301**
	with 3 mm positioning pin	40 mm cam distance	PVC	60	50	**220241**	**236303**
	with 7 mm supporting pin	36 mm cam distance	timber	60	50	**204249**	
		40 mm cam distance	PVC	60	50	**220240**	**236302**

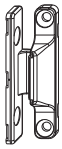


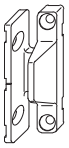
44463

P 7.6.4 Packers for multi-sash centre frame hinges - sash part

				№	№ Tricoat
traffic white RAL 9016	with 3 mm positioning pin	2,4	100	**44463**	
	with 7 mm supporting pin	2,4	100	**44456**	
pearl light grey RAL 9022	with 3 mm positioning pin	2,4	100	**44468**	
	with 7 mm supporting pin	2,4	100	**44461**	
brown F5	with 3 mm positioning pin	2,4	100	**44467**	
	with 7 mm supporting pin	2,4	100	**44460**	

7.7 Compression devices

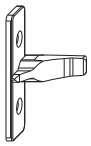

52389

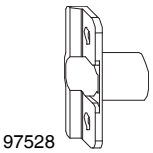

54783

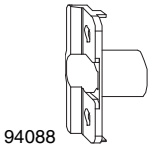
7.7.1 Surface-mounted compression devices

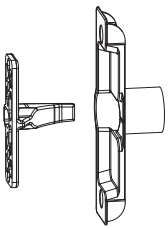
				№	№ Tricoat
silver	sash and frame component	timber	100	**52389**[1]	**236292**[1]
		PVC	100	**54783**[1]	**250578**[1]
	sash and frame component for rebate leg weatherseal	timber	100	**55028**[1]	**236293**[1]
	frame component	timber/PVC	100	**94218**[1]	
	sash component	timber/PVC	100	**94217**[1]	
traffic white RAL 9016	sash and frame component	timber	100	**206585**[1]	
	sash and frame component for rebate leg weatherseal	timber	100	**21062**[1]	

[1] Not suitable for fully concealed hardware!


97529


97528

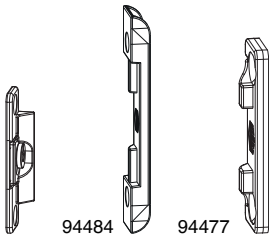

94088


10928

7.7.2 Drill-in compression devices for timber

				№	№ Tricoat
silver	sash component 9 / 13 mm offset	for Eurogroove	100	**94089**[1,2]	**385059**[1,2]
	sash component 9 mm offset	without Eurogroove	100	**97529**[2]	**385055**[2]
	sash component 13 mm offset	without Eurogroove	100	**360009**[2]	**385064**[2]
	frame component	for 4 mm air gap, 9 mm offset	100	**360006**[2]	
		for 4 mm air gap, 13 mm offset	100	**358996**[2]	**385067**[2]
		Euro-rebate 18 mm rebate depth 9 mm offset	100	**354090**[2]	**385066**[2]
		Euro-rebate 20 mm rebate depth 9 mm offset	100	**97528**[2]	**385060**[2]
		Euro-rebate 24 mm rebate depth 13 mm offset	100	**357741**[2]	**385058**[2]
		Euro-rebate 30 mm rebate depth 13 mm offset	100	**368015**[2]	
		hardware groove 20 mm rebate depth 9 mm offset	100	**94088**[2]	
		hardware groove 25 mm rebate depth 9 mm offset	100	**94258**[2]	
	sash and frame component	4 mm air gap	100	**10928**	**106066**

[1] Spacer for corner hinge item no. 40485 may be used for Eurogroove.
[2] Suitable for MULTI POWER, MULTI MAMMUT, DT and AS.

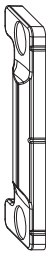


T 7.7.3 Concealed compression devices adjustable with depth adjustment

				№	№ Tricoat
silver	sash component 9 mm offset	for Eurogroove	100	**220219**[1]	**236290**[1]
		without Eurogroove	100	**220220**[2]	**236291**[2]
	sash component 13 mm offset	without Eurogroove	100	**208195**[2]	**236294**[2]
	frame component	for 4 mm air gap, 9 mm offset	100	**94484**[2]	**385050**[2]
		for 4 mm air gap, 13 mm offset	100	**357677**[2]	
		Euro-rebate 18 mm rebate depth 9 mm offset	100	**94477**[2]	**385051**[2]
		Euro-rebate 20 mm rebate depth 9 mm offset	100	**98265**[2]	**385054**[2]
		Euro-rebate 24 mm rebate depth 13 mm offset	100	**359002**[2]	**385057**[2]
		Hardware groove 6/8/4	100	**94478**[2]	
		hardware groove 7/8/4	100	**94479**[2]	**385049**[2]

[1] Suitable for: MULTI POWER, MULTI MAMMUT, DT, AS.
[2] Not suitable for fully concealed hardware!


215577

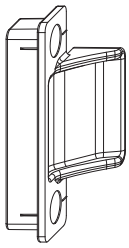

365160


365161

7.7.4 Concealed compression devices adjustable with lateral adjustment

				№	№ Tricoat
silver	sash component for timber	for Eurogroove	100	**215577**[1]	**236295**[1]
	sash component for PVC	for Eurogroove	100	**218543**[1,2]	**236297**[1,2]
	frame component with positioning pins 8 x 4 mm	Euro-rebate 31 mm rebate depth 13 mm offset	100	**363703**[1]	**385080**[1]
pearl light grey RAL 9022	frame component	Euro-rebate 18 mm rebate depth 9 mm offset	100	**365159**[1,3]	
		Euro-rebate 20 mm rebate depth 9 mm offset	100	**365160**[1,3]	
		Euro-rebate 24 mm rebate depth 13 mm offset	100	**365161**[1,3]	
		hardware groove 7/8/4	100	**367938**[1,3]	
		Euro-rebate 30 mm rebate depth 13 mm offset	100	**367510**[1,3]	
	frame component with positioning pins 8 x 4 mm	Euro-rebate 24 mm rebate depth 13 mm offset	100	**367494**[1,3]	
	frame component with positioning pins 12 x 3 mm	Euro-rebate 24 mm rebate depth 13 mm offset	100	**367652**[1,3]	

[1] Suitable for: MULTI POWER, MULTI MAMMUT, DT, AS.
[2] Frame components for PVC, see profile sheet.
[3] For combination with item no. 215577.


94185

P 7.7.5 Concealed compression devices for PVC

				№	№ Tricoat
silver	sash component	PVC	100	**94185**[1,2]	**385052**[1,2]
	sash component with 5 mm positioning pin	PVC	100	**354795**[1,2]	

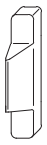
[1] Frame components for PVC, see profile sheet.
[2] Suitable for: MULTI POWER, MULTI MAMMUT, AS.

7.8 Cover caps


43568

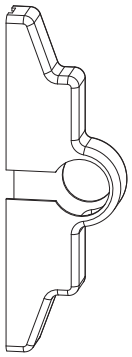
7.8.1 Cover caps for surface-mounted compression devices - sash part

			№	№ Tricoat
traffic white RAL 9016	dyed	100	**41339**	
pearl light grey RAL 9022	dyed	100	**43568**	
silver	painted	100	**364107**	
champagne	painted	100	**41699**	
titanium	painted	100	**40757**	
light bronze	dyed	100	**41582**	
cream white RAL 9001	dyed	100	**41231**	
brown F5	dyed	100	**41340**	
chrome-look	metallised	100	**44236**	
gold look	metallised	100	**40553**	


43569

7.8.2 Cover caps for surface-mounted compression devices - frame part

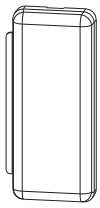
			№	№ Tricoat
traffic white RAL 9016	dyed	100	**41342**	
pearl light grey RAL 9022	dyed	100	**43569**	
silver	painted	100	**364106**	
champagne	painted	100	**41701**	
titanium	painted	100	**40756**	
light bronze	dyed	100	**41583**	
cream white RAL 9001	dyed	100	**41233**	
brown F5	dyed	100	**41343**	
chrome-look	metallised	100	**44235**	
gold look	metallised	100	**40551**	



42714

7.8.3 Cover caps for turn-only hinges for 3-sashed windows

				№	№ Tricoat
traffic white RAL 9016	dyed		20	**42714**	
pearl light grey RAL 9022	dyed		50	**43618**	
silver	painted		50	**44287**	
champagne	painted		50	**41698**	
titanium	painted		50	**40734**	
light bronze	dyed		20	**41642**	
brown F5	dyed		20	**42723**	
gold look	metallised		50	**40737**	
white	dyed	for timber profiles	20	**41117**	



43800

7.8.4 Cover caps for multi-sash centre frame hinges - sash part

			№	№ Tricoat
traffic white RAL 9016	dyed	50	**43800**	
pearl light grey RAL 9022	dyed	100	**44102**	
silver	painted	50	**44289**	
champagne	painted	50	**44288**	
titanium	painted	50	**43803**	
light bronze	dyed	50	**43801**	
cream white RAL 9001	dyed	50	**44295**	
brown F5	dyed	50	**43804**	
chrome-look	metallised	50	**44286**	
gold look	metallised	50	**43802**	

Turn-only and tilt-only hinges, compression devices



8 Scissor stay hinges

8.1 Scissor stay hinges PVC **220**
8.1.1 Scissor stay hinges PVC 220

8.2 Surface-mounted scissor stay hinges **220**
8.2.1 Surface-mounted scissor stay hinges 220

8.3 Rebated scissor stay support arms AS/PVC **221**

8.4 Rebated scissor stay support arms AS/PVC with pre-mounted cover cap in traffic white RAL 9016 **221**

8.5 Scissor stay hinges DT **222**
8.5.1 Scissor stay hinges DT130 222
8.5.2 Scissor stay hinges DT160 222
8.5.3 Rebated scissor stay support arms DTuni 223

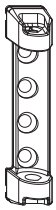
8.6 Scissor stay hinges MULTI MAMMUT **223**

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8.8.2 Dust cover caps for scissor stay hinges MULTI MAMMUT 226
8.8.3 Accessories for scissor stay hinges MULTI MAMMUT 226

8 Scissor stay hinges

8.1 Scissor stay hinges PVC

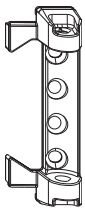


52480

8.1.1 Scissor stay hinges PVC

		kg		№	№ Tricoat
silver	with 3 mm positioning pin	100	100	**52480**	**233348**
	with 7 mm supporting pin	120	100	**52481**	**233349**
traffic white RAL 9016	with 3 mm positioning pin	100	100	**204039**	
	with 7 mm supporting pin	120	100	**204779**	

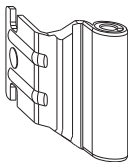
8.2 Surface-mounted scissor stay hinges

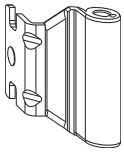


54694

8.2.1 Surface-mounted scissor stay hinges

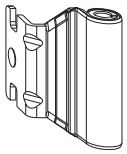
		kg		№	№ Tricoat
silver	12/18	120	50	**54694**	**233365**
	12/20	120	50	**54695**	**233362**
traffic white RAL 9016	12/18	120	50	**207876**	
	12/20	120	50	**207877**	


58477


52486

8.3 Rebated scissor stay support arms AS/PVC

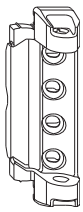
		kg		№	№ Tricoat
silver	12/18-9	120	100	**54706**	**233284**
	12/18-10	120	100	**58619**	**233285**
	12/18-11	120	100	**206998**	
	12/18-13	120	100	**54709**	**233286**
	12/18-14	120	100	**56771**	
	12/18-26	80	100	**58477**	
	12/20-9	120	100	**52487**	**233289**
	12/20-10	120	100	**52489**	
	12/20-11	120	100	**52488**	
	12/20-13	120	100	**52486**	**233281**
	12/20-14	120	100	**55359**	**233288**
	12/20-15	120	100	**55883**	
	12/20-26	80	100	**59469**	
	12/21-13	120	100	**58004**	**233340**
	12/22-9	120	100	**55085**	
	12/22-13	120	100	**55051**	**233341**
traffic white RAL 9016	12/18-9	120	100	**207882**	
	12/18-11	120	100	**207884**	
	12/18-13	120	100	**207885**	
	12/20-9	120	100	**207268**	
	12/20-10	120	100	**207888**	
	12/20-11	120	100	**207889**	
	12/20-13	120	100	**206588**	
	12/20-14	120	100	**207890**	
	12/20-15	120	100	**207891**	
	12/21-13	120	100	**207267**	
	12/22-9	120	100	**207892**	
	12/22-13	120	100	**207895**	

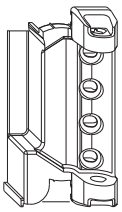

55009

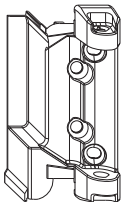
8.4 Rebated scissor stay support arms AS/PVC with pre-mounted cover cap in traffic white RAL 9016

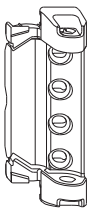
		kg		№	№ Tricoat
silver	12/20-9	120	100	**54799**	
	12/20-11	120	100	**201066**	
	12/20-13	120	100	**55009**	
	12/20-14	120	100	**201064**	
	12/21-13	120	100	**58006**	

8.5 Scissor stay hinges DT


202545


202541

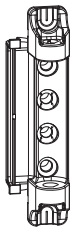

206999


202543

8.5.1 Scissor stay hinges DT130

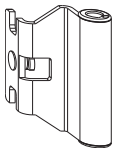
			kg		№	№ Tricoat
silver		4/15	130	50	**202545**[1]	
	right	4/18-9	130	50	**202541**[1]	**233367**[1]
	left	4/18-9	130	50	**202542**[1]	**233368**[1]
	right	4/18-13	130	50	**206999**[1]	**233371**[1]
	left	4/18-13	130	50	**207000**[1]	**233372**[1]
		12/18	130	50	**202543**[1]	**233369**[1]
		12/20	130	50	**202544**[1]	**233370**[1]
traffic white RAL 9016	right	4/18-9	130	50	**207878**[1]	
	left	4/18-9	130	50	**207879**[1]	
	right	4/18-13	130	50	**207006**[1]	
	left	4/18-13	130	50	**207007**[1]	
		12/18	130	50	**207880**[1]	
		12/20	130	50	**207881**[1]	

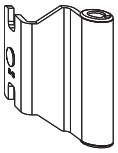
[1] Angled screw-fixing required from 100 kg.


227469

8.5.2 Scissor stay hinges DT160

		kg		№	№ Tricoat
silver	4/15	160	50	**227469**	**233376**
	4/18 and 12/18	160	50	**227470**	**233375**
	12/20	160	50	**227471**	

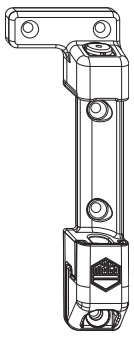

202534


202535

T 8.5.3 Rebated scissor stay support arms DTuni

		kg		№	№ Tricoat
silver	4/15-9	160	50	**202533**[1]	**233342**[1]
	4/18-9 and 12/18-9	160	50	**202534**[1]	**233343**[1]
	4/18-13 and 12/18-13	160	50	**202535**[1]	**233344**[1]
	12/18-11	160	50	**202539**[1]	**233347**[1]
	12/18-14	160	50	**206718**[1]	
	12/20-9	160	50	**202536**[1]	**233345**[1]
	12/20-13	160	50	**202537**[1]	**233346**[1]
traffic white RAL 9016	4/15-9	160	100	**207896**[1]	
	4/18-9 and 12/18-9	160	100	**207897**[1]	
	4/18-13 and 12/18-13	160	100	**207898**[1]	
	12/18-11	160	50	**208936**[1]	
	12/18-14	160	50	**215096**[1]	
	12/20-9	160	100	**207899**[1]	
	12/20-13	160	50	**212826**[1]	

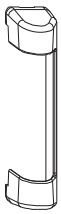
[1] Compatible with scissor stay hinge DT130 and DT160.


210600

T 8.6 Scissor stay hinges MULTI MAMMUT

			kg		№	№ Tricoat
silver	with 9 mm supporting pins	right	220	20	**210600**	**233373**
		left	220	20	**210601**	**233374**
traffic white RAL 9016	with 9 mm supporting pins	right	220	20	**212542**	
		left	220	20	**212543**	

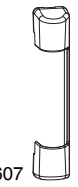
8.7 Cover caps


42083

8.7.1 Cover caps for scissor stay hinges AS/DT130/PVC

			№	№ Tricoat
traffic white RAL 9016	dyed	100	**42083**[1]	
pearl light grey RAL 9022	dyed	100	**43761**	
silver	painted	100	**44290**	
champagne	painted	100	**42103**	
titanium	painted	100	**42099**	
light bronze	dyed	100	**42097**	
cream white RAL 9001	dyed	100	**42191**	
brown F5	dyed	100	**42189**	
chrome-look	metallised	100	**44243**	
gold look	metallised	100	**42098**	
graphite black RAL 9011	dyed	100	**42190**	

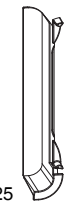
[1] Also available as bulk pack of 500 pieces as item no. 42284.


369607

8.7.2 Cover caps for scissor stay hinges DT160

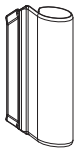
			№	№ Tricoat
traffic white RAL 9016	dyed	50	**369607**[1]	
pearl light grey RAL 9022	dyed	50	**369608**[1]	
titanium	painted	50	**369609**[1]	
gold look	metallised	50	**369610**[1]	

[1] Also compatible with scissor stay hinge DT 130.


369525

8.7.3 Recess cover caps for scissor stay hinges DT160

				№	№ Tricoat
grey F1	right	4/15-9 and 4/18-9	50	**369525**	
	left	4/15-9 and 4/18-9	50	**369526**	
	right	4/18-13	50	**369527**	
	left	4/18-13	50	**369528**	

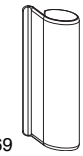


42084

8.7.4 Cover caps for rebated scissor stay support arms AS/PVC

			№	№ Tricoat
traffic white RAL 9016	dyed	100	**42084**[1]	
pearl light grey RAL 9022	dyed	100	**43760**	
silver	painted	100	**44291**	
champagne	painted	100	**42108**	
titanium	painted	100	**42107**	
light bronze	dyed	100	**42105**	
cream white RAL 9001	dyed	100	**42194**	
brown F5	dyed	100	**42192**	
chrome-look	metallised	100	**44244**	
gold look	metallised	100	**42106**	
graphite black RAL 9011	dyed	100	**42193**	

[1] Also available as bulk pack of 500 pieces as item no. 42285.



354669

8.7.5 Cover caps for rebated scissor stay support arms DTuni

			№	№ Tricoat
traffic white RAL 9016	dyed	100	**354669**	
pearl light grey RAL 9022	dyed	100	**354674**	
silver	painted	100	**360952**	
champagne	painted	100	**354673**	
titanium	painted	100	**354672**	
light bronze	dyed	100	**354670**	
cream white RAL 9001	dyed	100	**356597**	
brown F5	dyed	100	**354675**	
chrome-look	metallised	100	**354676**	
gold look	metallised	100	**354671**	
graphite black RAL 9011	dyed	100	**356598**	

8.8 Accessories for scissor stay hinges


94491

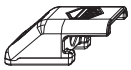
8.8.1 Scissor stay hinge pin AS/DTuni/PVC

		№	№ Tricoat
silver	200	**94491**	**372750**


364716

8.8.2 Dust cover caps for scissor stay hinges MULTI MAMMUT

			№	№ Tricoat
traffic white RAL 9016	dyed	100	**364716**	
pearl light grey RAL 9022	dyed	100	**364565**	
titanium	dyed	100	**367812**	


364675


364676


362336

8.8.3 Accessories for scissor stay hinges

			№	№ Tricoat
silver	scissor stay hinge pin safety device for scissor stay hinge 180 kg	20	**364675**	**385098**
	countersunk screw M5x12 for slide-over lock for scissor stay hinge pin	20	**364676**	**385097**
traffic white RAL 9016	scissor stay hinge pin safety device for scissor stay hinge 180 kg	20	**364677**	
	countersunk screw M5x12 for slide-over lock for scissor stay hinge pin	20	**364678**	
white	clip-on bush 10 mm, Multi Mammut fittings	50	**362336**	



9 Pivot posts

9.1 Matrix for pivot posts and corner supports 228
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9 Pivot posts

9.1 Matrix for pivot posts and corner supports

9.1.1 PVC

Pivot post / Corner support	Pivot post with Ø 3 mm positioning pin 52483	Pivot post with Ø 7 mm supporting pins, 3 mm short 52485	Pivot post with Ø 7 mm supporting pins, 12 mm / 23 mm long	Pivot post AS for rebated corner support PVC	Pivot post AS	Pivot post INVISIBLE	Pivot post MULTI POWER	Pivot post MULTI MAMMUT
Corner support PVC with Ø 3 mm positioning pin 52478	100 kg max. 2,4 m²	100 kg max. 2,4 m²	100 kg max. 2,4 m²	--	--	--	--	--
Corner support PVC with Ø 5 mm supporting pins 52479	100 kg max. 3,0 m²	100 kg max. 3,0 m²	120 kg max. 3,0 m²	--	--	--	--	--
Rebated corner support AS/PVC without rebate-leg	* 100 kg max. 3,0 m²	* 100 kg max. 3,0 m²	* 120 kg max. 3,0 m²	* 120 kg max. 3,0 m²	--	--	--	--
Rebated corner support AS with rebate-leg	--	--	--	--	* 120 kg max. 3,0 m²	--	--	--
Rebated corner support INVISIBLE	--	--	--	--	--	* 100 kg max. 2,4 m²	--	--
Rebated corner support MULTI POWER	--	--	--	--	--	--	150 kg max. 3,0 m²	--
Rebated corner support MULTI MAMMUT	--	--	--	--	--	--	--	180 kg max. 3,6 m²
Corner support PVC MULTI MAMMUT	--	--	--	--	--	--	--	180 kg max. 3,6 m²

* Observe maximum load of 80 kg for certain components!

Above pivot post / corner support combinations may only be combined with scissor stay hinges of the same bearing type!

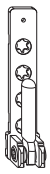
9.1.2 Timber

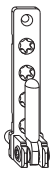
Pivot post / Corner support	Pivot post AS	Pivot post AS for rebated corner support AS/PVC	Pivot post DT130	Pivot post DT160	Pivot post TV	Pivot post INVISIBLE	Pivot post MULTI POWER	Pivot post MULTI MAMMUT
Rebated corner support AS with rebate-leg	* 120 kg max. 3,0 m²	--	--	--	--	--	--	--
Rebated corner support AS/PVC without rebate-leg	--	* 120 kg max. 3,0 m²	--	--	--	--	--	--
Rebated corner support DT130 without rebate-leg	--	--	100 kg max. 3,0 m²	100 kg max. 3,0 m²	--	--	--	--
Rebated corner support DT130 with rebate-leg	--	--	130 kg max. 3,0 m²	130 kg max. 3,0 m²	--	--	--	--
Rebated corner support DT160 with rebate-leg	--	--	--	160 kg max. 3,0 m²	--	--	--	--
Rebated corner support TV	--	--	--	--	100 kg max. 2,4 m²	--	--	--
Rebated corner support INVISIBLE	--	--	--	--	--	* 100 kg max. 2,4 m²	--	--
Rebated corner support MULTI POWER	--	--	--	--	--	--	150 kg max. 3,0 m²	--
Rebated corner support MULTI MAMMUT	--	--	--	--	--	--	--	220 kg max. 3,6 m²

* Observe maximum load of 80 kg for certain components!

Above pivot post / corner support combinations may only be combined with scissor stay hinges of the same bearing type!

9.2 Pivot posts PVC


52483

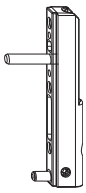

52484

9.2.1 Pivot posts PVC

		kg		№	№ Tricoat
silver	with 3 mm positioning pin	100	100	**52483**	**233020**
	with 7 mm supporting pins 3 mm long	100	100	**52485**	**233031**
	with 7 mm supporting pins 12 mm long	120	100	**52764**[1]	**233030**[1]
	with 7 mm supporting pins 23 mm long	120	100	**52484**[1]	**233021**[1]
traffic white RAL 9016	with 3 mm positioning pin	100	100	**206802**	
	with 7 mm supporting pins 3 mm long	100	100	**206586**	
	with 7 mm supporting pins 12 mm long	120	100	**207902**[1]	
	with 7 mm supporting pins 23 mm long	120	100	**207278**[1]	

[1] Above 100 kg support pin must reach through at least 2 profile walls!

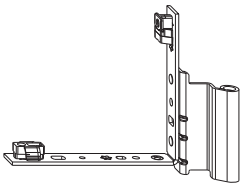

52478

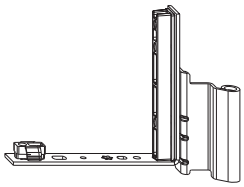

52479

9.2.2 Corner supports PVC

		kg		№	№ Tricoat
silver	with 3 mm positioning pin	100	100	**52478**[1,2]	**232938**[1,2]
	with 5 mm supporting pin 17 mm long	120	100	**206196**[1,3]	
	with 5 mm supporting pins 23 mm long	120	100	**52479**[1,3]	**232931**[1,3]
traffic white RAL 9016	with 3 mm positioning pin	100	100	**206848**[1,2]	
	with 5 mm supporting pins 23 mm long	120	100	**206584**[1,3]	

[1] For packers for corner supports refer to accessories for pivot posts PVC.
[2] Maximum sash total surface 2.4 m^2.
[3] Above 100 kg support pin must reach through at least 2 profile walls!

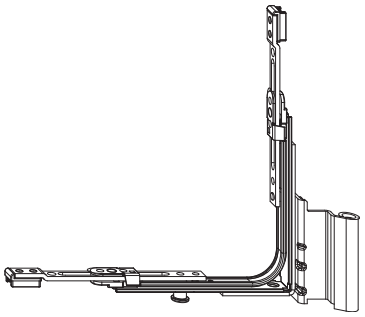

55424


219187

9.2.3 Rebated corner supports AS/PVC without rebate-leg screw fixing

			kg		№	№ Tricoat
silver	right	12/18-9	120	100	**214391**[1]	**232977**[1]
	left	12/18-9	120	100	**214392**[1]	**232978**[1]
	right	12/18-11	120	100	**55424**[1]	**232955**[1]
	left	12/18-11	120	100	**55425**[1]	**232956**[1]
	right	12/18-13	120	100	**59444**[1]	**232957**[1]
	left	12/18-13	120	100	**59443**[1]	**232958**[1]
	right	12/18-26	80	100	**58475**[1]	
	left	12/18-26	80	100	**58476**[1]	
	right	12/20-9	120	100	**54890**[1]	**232959**[1]
	left	12/20-9	120	100	**54891**[1]	**232960**[1]
	right	12/20-13	120	100	**54892**[1]	**232932**[1]
	left	12/20-13	120	100	**54893**[1]	**232933**[1]
	right	12/20-14	120	100	**212967**[1]	
	left	12/20-14	120	100	**212968**[1]	
	right	12/20-26	80	100	**59916**[1]	
	left	12/20-26	80	100	**59917**[1]	
	right	12/22-13	120	100	**219187**[1]	
	left	12/22-13	120	100	**219188**[1]	
traffic white RAL 9016	right	12/18-11	120	100	**207916**[1]	
	left	12/18-11	120	100	**207917**[1]	
	right	12/20-9	120	100	**207918**[1]	
	left	12/20-9	120	100	**207919**[1]	
	right	12/20-13	120	100	**207920**[1]	
	left	12/20-13	120	100	**207921**[1]	

[1] Not for use with half-round or angled windows; use on profile system with overlap gasket upon request.



205664

9.2.4 Rebated corner supports AS/PVC without rebate-leg screw fixing EH with corner element

				kg		№	№ Tricoat
silver	with 1 i.S.	right	12/18-9	120	20	**218155**[1]	
		left	12/18-9	120	20	**218156**[1]	
		right	12/18-13	120	20	**218159**[1]	**233018**[1]
		left	12/18-13	120	20	**218160**[1]	**233019**[1]
		right	12/18-26	80	20	**218161**[1]	
		left	12/18-26	80	20	**218162**[1]	
		right	12/20-9	120	20	**218163**[1]	
		left	12/20-9	120	20	**218164**[1]	
		right	12/20-13	120	20	**205664**[1]	**233004**[1]
		left	12/20-13	120	20	**205665**[1]	**233005**[1]
		right	12/20-26	80	20	**218165**[1]	
		left	12/20-26	80	20	**218166**[1]	

[1] Suitable for half round and angled windows as well as EH and Comfort-/E-fitting.



224283



224282

9.2.5 Corner element two-part

					№	№ Tricoat
silver	vertically extendable	500 - 1.650		50	**224283**[1]	**232883**[1]
	corner connector MM bottom for half round		500 - 1.650	20	**224282**[2]	**236889**[2]

[1] When used for half round windows also item no. 224282.
[2] When used for half round windows also item no. 224283.

9.2.6 Accessories for pivot posts PVC


44375

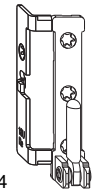

361363

9.2.6.1 Packers for corner supports PVC

					№	№ Tricoat
silver	5°			100	**361364**	
white	5 mm	8,4	right	100	**44375**	
			left	100	**44374**	
	5°			100	**361363**	
brown F5	5 mm	8,4	right	100	**363288**	
			left	100	**363289**	

9.3 Pivot posts AS (surface-mounted)

9.3.1 Surface-mounted pivot posts for rebated corner supports AS/PVC without rebate-leg screw fixing

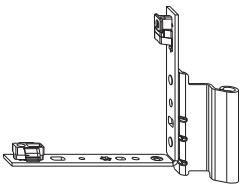


214104

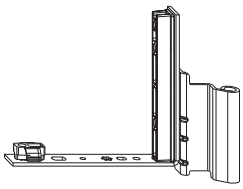
9.3.1.1 Surface-mounted pivot posts for rebated corner supports AS/PVC without rebate-leg screw fixing

			kg		№	№ Tricoat
silver	right	12/18	120	50	**214104**[1]	**233124**[1]
	left	12/18	120	50	**214105**[1]	**233125**[1]
	right	12/20	120	50	**214106**[1]	**233132**[1]
	left	12/20	120	50	**214107**[1]	**233133**[1]
traffic white RAL 9016	right	12/18	120	50	**214112**[1]	
	left	12/18	120	50	**214113**[1]	
	right	12/20	120	50	**214114**[1]	
	left	12/20	120	50	**214115**[1]	

[1] Suitable only with rebated corner support AS/PVC without rebate-leg screw fixing!



55424

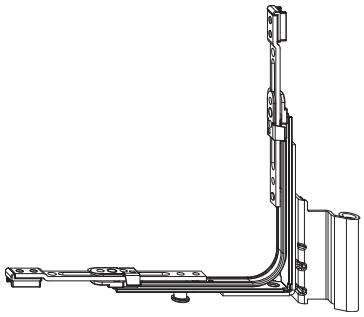


219187

9.3.1.2 Rebated corner supports AS/PVC without rebate-leg screw fixing

			kg		№	№ Tricoat
silver	right	12/18-9	120	100	**214391**[1]	**232977**[1]
	left	12/18-9	120	100	**214392**[1]	**232978**[1]
	right	12/18-11	120	100	**55424**[1]	**232955**[1]
	left	12/18-11	120	100	**55425**[1]	**232956**[1]
	right	12/18-13	120	100	**59444**[1]	**232957**[1]
	left	12/18-13	120	100	**59443**[1]	**232958**[1]
	right	12/18-26	80	100	**58475**[1]	
	left	12/18-26	80	100	**58476**[1]	
	right	12/20-9	120	100	**54890**[1]	**232959**[1]
	left	12/20-9	120	100	**54891**[1]	**232960**[1]
	right	12/20-13	120	100	**54892**[1]	**232932**[1]
	left	12/20-13	120	100	**54893**[1]	**232933**[1]
	right	12/20-14	120	100	**212967**[1]	
	left	12/20-14	120	100	**212968**[1]	
	right	12/20-26	80	100	**59916**[1]	
	left	12/20-26	80	100	**59917**[1]	
	right	12/22-13	120	100	**219187**[1]	
	left	12/22-13	120	100	**219188**[1]	
traffic white RAL 9016	right	12/18-11	120	100	**207916**[1]	
	left	12/18-11	120	100	**207917**[1]	
	right	12/20-9	120	100	**207918**[1]	
	left	12/20-9	120	100	**207919**[1]	
	right	12/20-13	120	100	**207920**[1]	
	left	12/20-13	120	100	**207921**[1]	

[1] Not for use with half-round or angled windows; use on profile system with overlap gasket upon request.



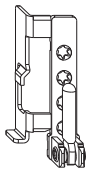
205664

9.3.1.3 Rebated corner supports AS/PVC without rebate-leg screw fixing EH with corner element

				kg		№	№ Tricoat
silver	with 1 i.S.	right	12/18-9	120	20	**218155**[1]	
		left	12/18-9	120	20	**218156**[1]	
		right	12/18-13	120	20	**218159**[1]	**233018**[1]
		left	12/18-13	120	20	**218160**[1]	**233019**[1]
		right	12/18-26	80	20	**218161**[1]	
		left	12/18-26	80	20	**218162**[1]	
		right	12/20-9	120	20	**218163**[1]	
		left	12/20-9	120	20	**218164**[1]	
		right	12/20-13	120	20	**205664**[1]	**233004**[1]
		left	12/20-13	120	20	**205665**[1]	**233005**[1]
		right	12/20-26	80	20	**218165**[1]	
		left	12/20-26	80	20	**218166**[1]	

[1] Suitable for half round and angled windows as well as EH and Comfort-/E-fitting.

9.3.2 Surface-mounted pivot posts for surface-mounted rebated corner supports with rebate-leg screw fixing

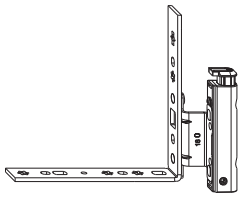


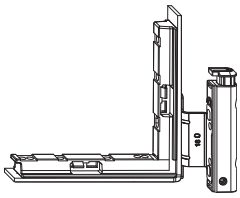
54690

9.3.2.1 Surface-mounted pivot posts for surface-mounted rebated corner supports with rebate-leg screw fixing

			kg		№	№ Tricoat
silver	right	12/18	120	50	**54690**[1]	**233028**[1]
	left	12/18	120	50	**54691**[1]	**233029**[1]
	right	12/20	120	50	**54692**[1]	**233024**[1]
	left	12/20	120	50	**54693**[1]	**233025**[1]
traffic white RAL 9016	right	12/18	120	50	**207904**[1]	
	left	12/18	120	50	**207905**[1]	
	right	12/20	120	50	**207906**[1]	
	left	12/20	120	50	**207907**[1]	

[1] Only suitable with rebated corner support AS with rebate-leg screw fixing!

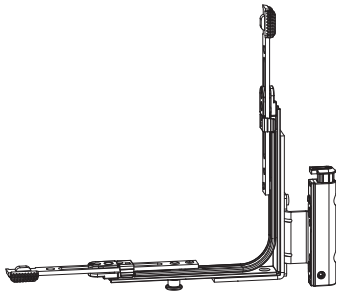

54698


58041

9.3.2.2 Surface-mounted rebated corner supports with rebate-leg screw fixing

				kg		№	№ Tricoat
silver	with rebate-leg screw-fixing	right	12/18-9	120	50	**54698**[1]	**232952**[1]
		left	12/18-9	120	50	**54699**[1]	**232953**[1]
		right	12/18-11	120	50	**206996**[1]	
		left	12/18-11	120	50	**206997**[1]	
		right	12/18-13	120	50	**54700**[1]	**232954**[1]
		left	12/18-13	120	50	**54701**[1]	**232951**[1]
		right	12/20-9	120	50	**54702**[1]	
		left	12/20-9	120	50	**54703**[1]	
		right	12/20-13	120	50	**54704**[1]	**232936**[1]
		left	12/20-13	120	50	**54705**[1]	**232937**[1]
	pre-assembled spacer bar for corner hinge	right	12/18-9	120	50	**58041**[1,2]	
		left	12/18-9	120	50	**58042**[1,2]	
		right	12/20-13	120	50	**222168**[1,2]	
		left	12/20-13	120	50	**222169**[1,2]	
traffic white RAL 9016	with rebate-leg screw-fixing	right	12/18-9	120	50	**207922**[1]	
		left	12/18-9	120	50	**207923**[1]	
		right	12/18-11	120	50	**207924**[1]	
		left	12/18-11	120	50	**207925**[1]	
		right	12/18-13	120	50	**207926**[1]	
		left	12/18-13	120	50	**207927**[1]	
		right	12/20-9	120	50	**207928**[1]	
		left	12/20-9	120	50	**207929**[1]	
		right	12/20-13	120	50	**207930**[1]	
		left	12/20-13	120	50	**207931**[1]	
	pre-assembled spacer bar for corner hinge	right	12/20-13	120	50	**207932**[1,2]	
		left	12/20-13	120	50	**207933**[1,2]	

[1] Use on profile systems with overlap gasket upon request.
[2] Not suitable for half round and angled windows.

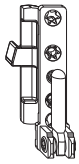

206286

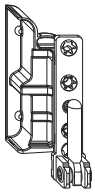
9.3.2.3 Surface-mounted rebated corner supports with rebate-leg screw fixing EH with corner element

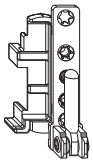
				kg		№	№ Tricoat
silver	with 1 i.S.	right	12/18-9	120	20	**206286**[1]	
		left	12/18-9	120	20	**206287**[1]	
		right	12/18-13	120	20	**206288**[1]	
		left	12/18-13	120	20	**206289**[1]	
		right	12/20-9	120	20	**206290**[1]	
		left	12/20-9	120	20	**206291**[1]	
		right	12/20-13	120	20	**206292**[1]	
		left	12/20-13	120	20	**206293**[1]	

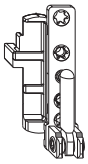
[1] Suitable for half round and angled windows as well as EH and Comfort-/E-fitting.

9.4 Pivot posts DT


55492


55092

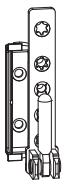

52703


59490

9.4.1 Pivot posts DT130

				kg		№	№ Tricoat
silver		right	4/15	130	50	**55492**[1]	
		left	4/15	130	50	**55493**[1]	
		right	4/18	130	50	**55092**[1,2,3]	**233032**[1,2,3]
		left	4/18	130	50	**55093**[1,2,3]	**233033**[1,2,3]
		right	12/18	130	50	**52703**[1]	**233022**[1]
		left	12/18	130	50	**52704**[1]	**233023**[1]
		right	12/20	130	50	**54726**[1]	**233034**[1]
		left	12/20	130	50	**54727**[1]	**233035**[1]
	for balcony doors	right	12/18	130	50	**59490**[1]	**233026**[1]
		left	12/18	130	50	**59491**[1]	**233027**[1]
		right	12/20	130	50	**58601**[1]	**233036**[1]
		left	12/20	130	50	**58602**[1]	**233037**[1]
traffic white RAL 9016		right	4/15	130	50	**207908**[1]	
		left	4/15	130	50	**207909**[1]	
		right	4/18	130	50	**207910**[1,4]	
		left	4/18	130	50	**207911**[1,4]	
		right	12/18	130	50	**207912**[1]	
		left	12/18	130	50	**207913**[1]	
		right	12/20	130	50	**207914**[1]	
		left	12/20	130	50	**207915**[1]	

[1] For sash weights above 100 kg or a dry density below 0.62 g/cm³, insert a countersunk head screw 4 x 40 mm flush below the pivot post!
[2] For milling depth 24.5 mm, use packer item no. 360464!
[3] For milling depth 22 mm, use packer item no. 366541!
[4] For milling depth 24.5 mm, use packer item no. 360465!

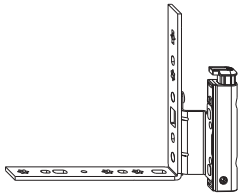

227472

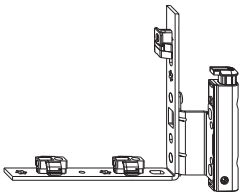
9.4.2 Pivot posts DT160

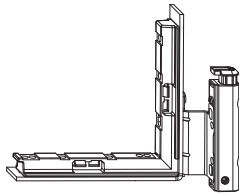
				kg		№	№ Tricoat
silver	right	4/15	160	50	**227472**[1]	**233136**[1]
	left	4/15	160	50	**227473**[1]	**233137**[1]
	right	4/18	160	50	**227474**[1]	
	left	4/18	160	50	**227475**[1]	
	right	12/18	160	50	**227476**[1]	**233134**[1]
	left	12/18	160	50	**227477**[1]	**233135**[1]
	right	12/20	160	50	**227478**[1]	
	left	12/20	160	50	**227479**[1]	

[1] Use support rawlplug item no. 369535 for a sash weight above 100 kg for windows and balcony doors! For balcony doors between 100 - 130 kg, a support screw may be used alternatively!

9.4.3 Rebated corner supports DT

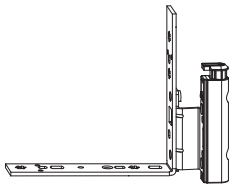

54710

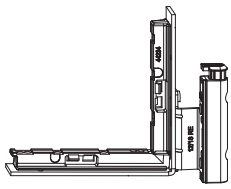

210526


57116

T 9.4.3.1 Rebated corner supports DT130 with rebate-leg screw fixing

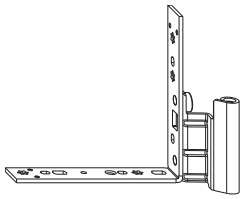
				kg		№	№ Tricoat
silver	with rebate-leg screw-fixing	right	4/15-9	130	50	**55494**	
		left	4/15-9	130	50	**55495**	
		right	4/18-9	130	50	**220048**	**232963**
		left	4/18-9	130	50	**220051**	**232964**
		right	4/18-13	130	50	**207870**	**236921**
		left	4/18-13	130	50	**207871**	**236920**
		right	12/18-9	130	50	**54710**	**232934**
		left	12/18-9	130	50	**54711**	**232935**
		right	12/18-13	130	50	**55452**	**232965**
		left	12/18-13	130	50	**55453**	**232966**
		right	12/20-9	130	50	**54712**	**232967**
		left	12/20-9	130	50	**54713**	**232968**
		right	12/20-13	130	50	**220045**	**232969**
		left	12/20-13	130	50	**220046**	**232970**
	with rebate-leg screw-fixing for Eurogroove	right	4/18-9	130	50	**210526**	
		left	4/18-9	130	50	**210527**	
		right	4/18-13	130	50	**210524**	**232995**
		left	4/18-13	130	50	**210525**	**232996**
	with rebate-leg screw-fixing and pre-assembled spacer for rebated corner hinge	right	12/18-9	130	50	**57116**	**232984**
		left	12/18-9	130	50	**57117**	**232983**
		right	12/18-11	130	50	**201016**	**250585**
		left	12/18-11	130	50	**201017**	**250586**
		right	12/18-13	130	50	**209594**	**232971**
		left	12/18-13	130	50	**209595**	**232972**
		right	12/20-13	130	50	**214774**	
		left	12/20-13	130	50	**214775**	
		right	12/18-14	130	50	**206994**	
		left	12/18-14	130	50	**206995**	
traffic white RAL 9016	with rebate-leg screw-fixing	right	4/15-9	130	50	**207940**	
		left	4/15-9	130	50	**207941**	
		right	4/18-9	130	50	**207942**	
		left	4/18-9	130	50	**207943**	
		right	4/18-13	130	50	**207872**	
		left	4/18-13	130	50	**207873**	
		right	12/18-9	130	50	**207944**	
		left	12/18-9	130	50	**207945**	
		right	12/18-13	130	50	**207946**	
		left	12/18-13	130	50	**207947**	
		right	12/20-9	130	50	**207948**	
		left	12/20-9	130	50	**207949**	
		right	12/20-13	130	50	**213683**	
		left	12/20-13	130	50	**213684**	
	with rebate-leg screw-fixing for Eurogroove	right	4/18-13	130	50	**218074**	
		left	4/18-13	130	50	**218075**	
	with rebate-leg screw-fixing and pre-assembled spacer for rebated corner hinge	right	12/18-11	130	50	**209500**	
		left	12/18-11	130	50	**209501**	
		right	12/18-13	130	50	**211720**	
		left	12/18-13	130	50	**211721**	


227504


227510

9.4.3.2 Rebated corner supports DT160 with rebate-leg screw fixing

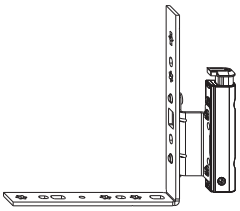
				kg		№	№ Tricoat
silver	with rebate-leg screw-fixing	right	4/15-9	160	50	**227496**	**233002**
		left	4/15-9	160	50	**227497**	**233003**
		right	4/18-9	160	50	**227498**	
		left	4/18-9	160	50	**227499**	
		right	4/18-13	160	50	**227500**	
		left	4/18-13	160	50	**227501**	
		right	12/18-9	160	50	**227502**	
		left	12/18-9	160	50	**227503**	
		right	12/18-11	160	50	**228961**	
		left	12/18-11	160	50	**228962**	
		right	12/18-13	160	50	**227504**	**232998**
		left	12/18-13	160	50	**227505**	**233001**
		right	12/20-9	160	50	**227506**	
		left	12/20-9	160	50	**227507**	
		right	12/20-13	160	50	**227508**	
		left	12/20-13	160	50	**227509**	
	with rebate-leg screw-fixing and pre-assembled spacer for rebated corner hinge	right	12/18-13	160	50	**227510**	
		left	12/18-13	160	50	**227511**	


208888

9.4.3.3 Rebated corner supports DTuni without rebate-leg screw fixing

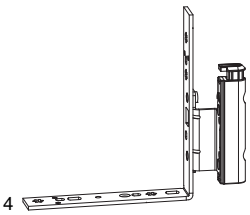
			kg		№	№ Tricoat
silver	right	4/18-9	100	50	**55097**	
	left	4/18-9	100	50	**55098**	
	right	12/18-9	100	50	**52706**	**232961**
	left	12/18-9	100	50	**52707**	**232962**
	right	12/18-13	100	50	**208888**[1]	
	left	12/18-13	100	50	**208889**[1]	
	right	12/20-9	100	50	**54728**	
	left	12/20-9	100	50	**54729**	
	right	12/20-13	100	50	**212209**[1]	**232991**[1]
	left	12/20-13	100	50	**212210**[1]	**232992**[1]
traffic white RAL 9016	right	4/18-9	100	50	**207934**	
	left	4/18-9	100	50	**207935**	
	right	12/18-9	100	50	**207936**	
	left	12/18-9	100	50	**207937**	
	right	12/20-9	100	50	**207938**	
	left	12/20-9	100	50	**207939**	

[1] When using spacer for rebated corner hinge item no. 44234, one vertical screw hole omits.


54684

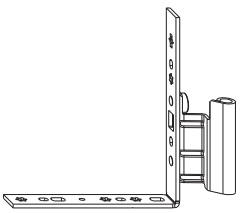
9.4.3.4 Rebated corner supports DT130 for casement doors with rebate-leg screw fixing

				kg		№	№ Tricoat
silver	for balcony doors with rebate-leg screw-fixing	right	12/18-9	130	50	**54684**	**232939**
		left	12/18-9	130	50	**54685**	**232950**
		right	12/18-13	130	50	**209411**	**232975**
		left	12/18-13	130	50	**209412**	**232976**
		right	12/20-9	130	50	**54688**	**232973**
		left	12/20-9	130	50	**54689**	**232974**
		right	12/20-13	130	50	**209413**	
		left	12/20-13	130	50	**209414**	


227514

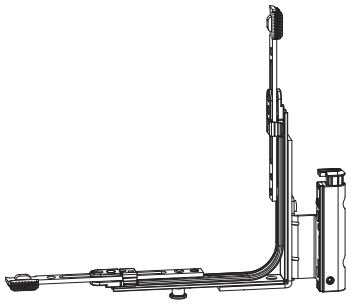
9.4.3.5 Rebated corner supports DT160 for casement doors with rebate-leg screw fixing

				kg		№	№ Tricoat
silver	for balcony doors with rebate-leg screw-fixing	right	12/18-9	160	50	**227512**	
		left	12/18-9	160	50	**227513**	
		right	12/18-13	160	50	**227514**	**232999**
		left	12/18-13	160	50	**227515**	**233000**
		right	12/20-9	160	50	**227516**	
		left	12/20-9	160	50	**227517**	
		right	12/20-13	160	50	**227518**	
		left	12/20-13	160	50	**227519**	


57232

9.4.3.6 Rebated corner supports DTuni for casement doors without rebate-leg screw fixing

				kg		№	№ Tricoat
silver	for balcony doors	right	12/18-9	100	50	**57232**	
		left	12/18-9	100	50	**57233**	
		right	12/18-13	100	50	**209407**	
		left	12/18-13	100	50	**209408**	
		right	12/20-13	100	50	**209409**	
		left	12/20-13	100	50	**209410**	

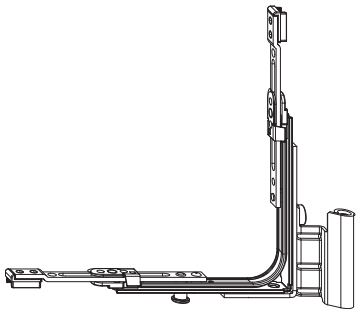


206274

9.4.3.7 Rebated corner supports DTuni with rebate-leg screw fixing EH with corner element

				kg		№	№ Tricoat
silver	with 1 i.S.	right	4/15-9	130	20	**224284**[1]	
		left	4/15-9	130	20	**224285**[1]	
		right	4/18-13	130	20	**214908**[1]	
		left	4/18-13	130	20	**214910**[1]	
		right	12/18-9	130	20	**206274**[1]	**233006**[1]
		left	12/18-9	130	20	**206275**[1]	**233007**[1]
		right	12/18-11	130	20	**207065**[1]	**233008**[1]
		left	12/18-11	130	20	**207066**[1]	**233009**[1]
		right	12/18-13	130	20	**206276**[1]	**233014**[1]
		left	12/18-13	130	20	**206277**[1]	**233015**[1]
		right	12/20-9	130	20	**206278**[1]	**233010**[1]
		left	12/20-9	130	20	**206279**[1]	**233011**[1]
		right	12/20-13	130	20	**206280**[1]	**233012**[1]
		left	12/20-13	130	20	**206281**[1]	**233013**[1]

[1] Suitable for half round and angled windows as well as EH and Comfort-/E-fitting.



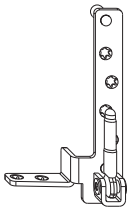
206284

9.4.3.8 Rebated corner supports DTuni without rebate-leg screw fixing EH with corner element

				kg		№	№ Tricoat
silver	with 1 i.S.	right	4/18-9	100	20	**206284**[1]	
		left	4/18-9	100	20	**206285**[1]	
		right	12/18-9	100	20	**208773**[1]	
		left	12/18-9	100	20	**208774**[1]	
		right	12/18-13	100	20	**208793**[1]	**233016**[1]
		left	12/18-13	100	20	**208794**[1]	**233017**[1]
		right	12/20-9	100	20	**208775**[1]	
			12/20-13	100	20	**208795**[1]	
		left	12/20-13	100	20	**208796**[1]	

[1] Suitable for half round and angled windows as well as EH and Comfort-/E-fitting.

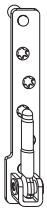
9.5 Pivot posts MULTI MAMMUT



210594

T 9.5.1 Pivot posts for timber MULTI MAMMUT

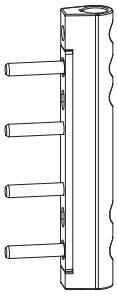
				kg		№	№ Tricoat
silver	with 9 mm supporting pins	right	12/18	220	20	**210594**	**233128**
		left	12/18	220	20	**210595**	**233129**
		right	12/20	220	20	**210605**	**233130**
		left	12/20	220	20	**210606**	**233131**
traffic white RAL 9016	with 9 mm supporting pins	right	12/18	220	20	**222500**	
		left	12/18	220	20	**222501**	
		right	12/20	220	20	**222502**	
		left	12/20	220	20	**222503**	



211869

P 9.5.2 Pivot posts for PVC MULTI MAMMUT

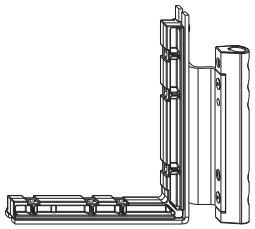
				kg		№	№ Tricoat
silver	with 9 mm supporting pins	right	12/18 12/20	180	20	**211869**	**233038**
		left	12/18 12/20	180	20	**211870**	**233039**
traffic white RAL 9016	with 9 mm supporting pins	right	12/18 12/20	180	20	**212540**	
		left	12/18 12/20	180	20	**212541**	



227694

P 9.5.3 Corner supports PVC MULTI MAMMUT

		kg		№	№ Tricoat
silver	with 5 mm supporting pins 23 mm long	180	20	**227694**	**232997**
traffic white RAL 9016	with 5 mm supporting pins 23 mm long	180	20	**227695**	



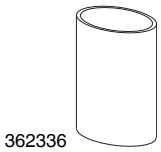
210613

9.5.4 Rebated corner supports MULTI MAMMUT

				kg		№	№ Tricoat
silver	pre-assembled spacer bar for corner hinge	right	12/18-9	220	20	**210613**	**232987**
		left	12/18-9	220	20	**210614**	**232988**
		right	12/18-13	220	20	**210611**	**232985**
		left	12/18-13	220	20	**210612**	**232986**
		right	12/20-9	220	20	**210617**	**232989**
		left	12/20-9	220	20	**210618**	**232990**
		right	12/20-13	220	20	**210615**	**236922**
		left	12/20-13	220	20	**210616**	**236923**
traffic white RAL 9016	pre-assembled spacer bar for corner hinge	right	12/18-9	220	20	**222506**	
		left	12/18-9	220	20	**222507**	
		right	12/18-13	220	20	**222504**	
		left	12/18-13	220	20	**222505**	
		right	12/20-9	220	20	**222510**	
		left	12/20-9	220	20	**222511**	
		right	12/20-13	220	20	**222508**	
		left	12/20-13	220	20	**222509**	



363306

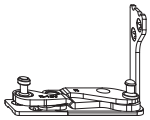


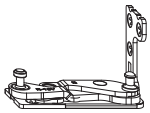
362336

9.5.5 Accessories for pivot posts MULTI MAMMUT

					№	№ Tricoat
silver	packer for rebated corner support Multi Mammut	2 mm	50	**363306**		
		3 mm	50	**363307**		
white	clip-on bush 10 mm, Multi Mammut fittings		50	**362336**		

9.6 Pivot posts MULTI POWER

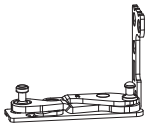

215810


215814

9.6.1 Pivot posts MULTI POWER

					kg		№	№ Tricoat
silver		right	9 mm offset	aluminium 10/14	150	15	**250402**	
		left	9 mm offset	aluminium 10/14	150	15	**250403**	
		right	9 mm offset	aluminium 14/18	150	15	**250400**	
		left	9 mm offset	aluminium 14/18	150	15	**250401**	
		right	9 mm offset	timber 24 mm rebate depth	150	20	**215812**[1,2]	**233040**[1,2]
				PVC 30 mm rebate depth	150	20	**215816**	
		left	9 mm offset	timber 24 mm rebate depth	150	20	**215813**[1,2]	**233041**[1,2]
				PVC 30 mm rebate depth	150	20	**215817**	
		right	13 mm offset	timber 24 mm rebate depth	150	20	**215810**[1,2]	**233042**[1,2]
				PVC 30 mm rebate depth	150	20	**215814**	**233046**
		left	13 mm offset	timber 24 mm rebate depth	150	20	**215811**[1,2]	**233043**[1,2]
				PVC 30 mm rebate depth	150	20	**215815**	**233047**
		right	13 mm offset	timber 30 mm rebate depth	150	20	**214252**[2]	**233044**[2]
		left	13 mm offset	timber 30 mm rebate depth	150	20	**214253**[2]	**233045**[2]

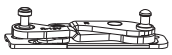
[1] For use in threshold Transit Personal from 80 kg sash weight use packer item no. 473860!
[2] Use support rawlplug item no. 36668 for sash weights over 100 kg.

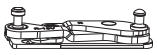

227286

P 9.6.2 Pivot posts MULTI POWER for thresholds

						kg		№	№ Tricoat
silver	for threshold	right	13 mm offset	PVC	150	20	**227286**[1]	
		left	13 mm offset	PVC	150	20	**227287**[1]	

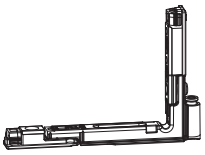
[1] Observe assembly instructions and restrictions for thresholds of type Grundmeier KG Combi, Eifel TB and Profine A075 or A076!


215828


215832

9.6.3 Pivot posts for 3-sashed windows MULTI POWER

				kg		№	№ Tricoat
silver	right	9 mm offset	timber 24 mm rebate depth	80	20	**215830**	**233048**
			PVC 30 mm rebate depth	80	20	**215834**	
	left	9 mm offset	timber 24 mm rebate depth	80	20	**215831**	**233049**
			PVC 30 mm rebate depth	80	20	**215835**	
	right	13 mm offset	timber 24 mm rebate depth	80	20	**215828**	**233120**
			PVC 30 mm rebate depth	80	20	**215832**	**233122**
	left	13 mm offset	timber 24 mm rebate depth	80	20	**215829**	**233121**
			PVC 30 mm rebate depth	80	20	**215833**	**233123**

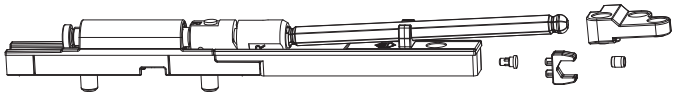

215804

9.6.4 Rebated corner supports MULTI POWER

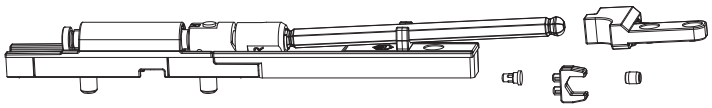
			kg		№	№ Tricoat
silver	right	9 mm offset	150	20	**215806**	**232979**
	left	9 mm offset	150	20	**215807**	**232980**
	right	13 mm offset	150	20	**215804**	**232981**
	left	13 mm offset	150	20	**215805**	**232982**

9.6.5 Load transfer MULTI POWER

105336



105338

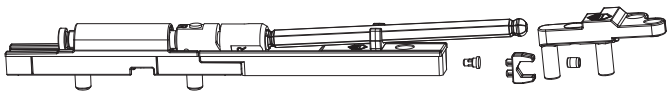


9.6.5.1 Load transfer MULTI POWER

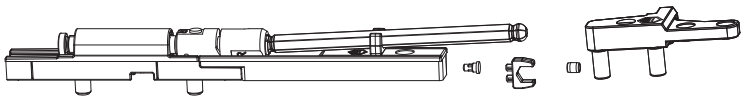
			kg		№	№ Tricoat
silver	right	FT24	180	10	**105336**[1]	**105984**[1]
	left	FT24	180	10	**105339**[1]	**105986**[1]
	right	FT30	180	10	**105338**[1]	**105985**[1]
	left	FT30	180	10	**105337**[1]	**105987**[1]

[1] In timber, the use of a turn restrictor for MULTI POWER (item no. 103623 or item no. 103624) is required! Installation of the turn restrictor in accordance with package leaflet turn restrictor (order no. 750304).

105908



105910



9.6.5.2 Load transfer MULTI POWER for thresholds

			kg		№	№ Tricoat
silver	right	FT24	150	10	**105908**[1]	
	left	FT24	150	10	**105909**[1]	
	right	FT24/30	150	10	**105910**[1,2]	**106192**[1,2]
	left	FT24/30	150	10	**105911**[1,2]	**106193**[1,2]
	right	FT30	150	10	**105912**[1,2]	
	left	FT30	150	10	**105913**[1,2]	

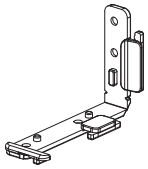
[1] In timber, the use of a turn restrictor for MULTI POWER (item no. 103623 or item no. 103624) is required! Installation of the turn restrictor in accordance with package leaflet turn restrictor (order no. 750304).
[2] For wooden profiles, rebate depth ≥ 33 mm (because of the drilling jig).

371446  371447  371632 

9.6.5.3 Accessories for load transfer MULTI POWER

		№	№ Tricoat
seal for load transfer Multi Power	500	**371446**	
installation aid for load transfer Multi Power	50	**371447**	
centre-fixing for load transfer Multi Power	50	**371632**	

9.6.6 Packers MULTI POWER

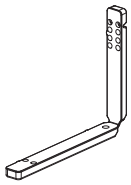
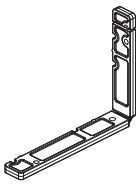


364062

P 9.6.6.1 Packers MULTI POWER for PVC profiles

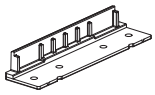
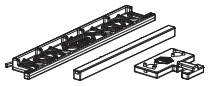
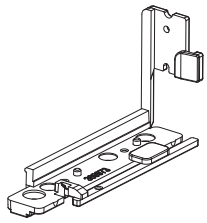
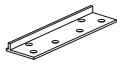
					№	№ Tricoat
grey F1	type01 for Multi Power	Aluplast AD 2000, Veka Softline 70 + 82 AD + MD + Topline + Swingline, Brügmann AD + MD, Alphacan System Alpha 70 + 80, Schüco Corona CT70 / SI 82, Salamander bluEvolution 82 AD + MD	pivot post left/scissor stay hinge right	100	**364063**	
			pivot post right/scissor stay hinge left	100	**364062**	
	type02 for Multi Power	Aluplast AD 4000, Aluplast MD 5000 + 6000 + 8000, Schüco Corona AS	pivot post left/scissor stay hinge right	100	**364065**	
			pivot post right/scissor stay hinge left	100	**364064**	
	type03 for Multi Power	Salamander bluEvolutin 92 + System 76 MD, Gromathic AD 3100	pivot post left/scissor stay hinge right	100	**364067**	
			pivot post right/scissor stay hinge left	100	**364066**	
	type04 for Multi Power	Rehau S730 + Brilliant Design AD + Clima Design, Kompen Termoline	pivot post left/scissor stay hinge right	100	**364069**	
			pivot post right/scissor stay hinge left	100	**364068**	
	type05 for Multi Power	Profine Trocal Innonova 70 A3/A5/M5	pivot post left/scissor stay hinge right	100	**364071**	
			pivot post right/scissor stay hinge left	100	**364070**	
	type06 for Multi Power	Gealan S7000 + S8000 + S9000	pivot post left/scissor stay hinge right	100	**364073**	
			pivot post right/scissor stay hinge left	100	**364072**	
	type07 for Multi Power	Salamander 2D + 3D + MD + Streamline 76	pivot post left/scissor stay hinge right	100	**364075**	
			pivot post right/scissor stay hinge left	100	**364074**	
	type08 for Multi Power	Rehau Synego AD + Geneo MD + Brilliant Design MD + Thermo Design	pivot post left/scissor stay hinge right	100	**364077**	
			pivot post right/scissor stay hinge left	100	**364076**	
	type09 for Multi Power	Profine Trocal System 88 + Innonova 2000	pivot post left/scissor stay hinge right	100	**364175**[1]	
			pivot post right/scissor stay hinge left	100	**364174**[1]	
	type10 for Multi Power	Aluplast Energeto 5000 + 8000	pivot post left/scissor stay hinge right	100	**364177**	
			pivot post right/scissor stay hinge left	100	**364176**	
	type11 for Multi Power	Inoutic AD	pivot post left/scissor stay hinge right	100	**364179**	
			pivot post right/scissor stay hinge left	100	**364178**	
	type12 for Multi Power	Inoutic Prestige MD	pivot post left/scissor stay hinge right	100	**364181**[1]	
			pivot post right/scissor stay hinge left	100	**364180**[1]	
	type13 for Multi Power	Kömmerling Eurofutur AD + MD + 3S + MPF, KBE 70 AD + MD	pivot post left/scissor stay hinge right	100	**366340**	
			pivot post right/scissor stay hinge left	100	**366339**	
	type14 for Multi Power	KB07 KBE 70 AD, KB08 KBE 70 MD, KB13 KBE System 88, Trocal 76 AD; Deceuninck Zendow	pivot post left/scissor stay hinge right	100	**367263**	
			pivot post right/scissor stay hinge left	100	**367262**	
	type15 for Multi Power	Wymar 3000 AD + MD	pivot post left/scissor stay hinge right	100	**367848**	
			pivot post right/scissor stay hinge left	100	**367847**	
	type16 for Multi Power	Swish 24-7 / Profile 22	pivot post left/scissor stay hinge right	100	**368311**	
			pivot post right/scissor stay hinge left	100	**368310**	
	type17 for Multi Power	Deceuninck Zendow Kämpfer; Roplasto	pivot post left/scissor stay hinge right	100	**369288**	
			pivot post right/scissor stay hinge left	100	**369287**	
	type18 for Multi Power	Eurocell TBT	pivot post left/scissor stay hinge right	100	**370031**	
			pivot post right/scissor stay hinge left	100	**370030**	
	type19 for Multi Power	Profile 22 Optima	pivot post left/scissor stay hinge right	100	**370466**	
			pivot post right/scissor stay hinge left	100	**370465**	
	type20 for Multi Power	Eurocell und Eurologic 70	pivot post left/scissor stay hinge right	100	**370600**	
			pivot post right/scissor stay hinge left	100	**370599**	
	type21 for Multi Power	HL Plastics Liniar	pivot post left/scissor stay hinge right	100	**370602**	
			pivot post right/scissor stay hinge left	100	**370601**	
	type22 for Multi Power	Synseal Synerjy	pivot post left/scissor stay hinge right	100	**370506**	
			pivot post right/scissor stay hinge left	100	**370505**	

[1] Use pivot post MULTI POWER timber 24 mm rebate depth.

366922 
370082 

9.6.6.2 Packers MULTI POWER for Alu profiles					№	№ Tricoat
grey F1	groove 10/14	Heroal	pivot post and scissor stay hinge MULTI POWER	100	**366922**[1]	
	groove 14/18	Aluprof, Alumil, Aliplast, Blyweert, Ponzio, Yawal, Feal T85, Cortizio 3500, Bauxal	pivot post and scissor stay hinge MULTI POWER	100	**370082**[1]	

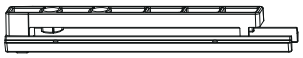
[1] Use pivot post MULTI POWER timber 24 mm rebate depth.

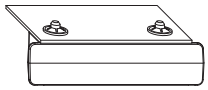
369939 
369944 
372969 
369973 
473860 

9.6.6.3 Packers MULTI POWER for thresholds					№	№ Tricoat
pearl light grey RAL 9022		GKG Grundmeier	for threshold	20	**369939**	
		Roto Gluske BKV Eifel TB	for threshold	20	**369944**	
		Schüco 20 mm	for threshold	20	**372969**	
		Trocal Alu und GFK	for threshold	20	**369945**	
	right	VEKA	for threshold	20	**369973**	
	left	VEKA	for threshold	20	**369974**	
agate grey RAL 7038		Transit Personal	for threshold	100	**473860**	

372008 

P 9.6.6.4 Packers for load transfer MULTI POWER for thresholds				№	№ Tricoat
pearl light grey RAL 9022	2 mm for Multi Power	for load transfer	20	**372008**	
	3 mm for Multi Power	for load transfer	20	**372009**	

362918 
36668 
368390 
370425 

218175 

9.6.7 Accessories MULTI POWER		Ø	L		№	№ Tricoat
silver	special drill screw Multi Power Phillips	4,5	32	1.000	**364563**[1]	**106026**[1]
			38	100	**362918**	**106029**
	special drill screw Multi Power TX20	4,5	38	500	**367828**	**106027**
	support rawlplug Multi Power timber		19	50	**36668**	**385088**
graphite black RAL 9011	clip-on part corner support MULTI POWER for 18 mm air gap		117	20	**368390**	
	back pull plate for narrow profiles MULTI POWER timber			100	**370425**	
grey F1	mounting cover for pivot post MULTI POWER right/left			5	**218175**	

[1] Maximum sash weight 100 kg!

9.7 Cover caps for pivot posts and corner supports

9.7.1 Cover caps for pivot posts

41742 

9.7.1.1 Short cover caps for pivot posts AS/DTuni/PVC

			№	№ Tricoat
traffic white RAL 9016	dyed	100	**41742**[1]	
pearl light grey RAL 9022	dyed	100	**43566**	
silver	painted	100	**360232**	
champagne	painted	100	**42049**	
titanium	painted	100	**42048**	
light bronze	dyed	100	**41762**	
cream white RAL 9001	dyed	100	**42207**	
brown F5	dyed	100	**42195**	
chrome-look	metallised	100	**44241**	
gold look	metallised	100	**41763**	
graphite black RAL 9011	dyed	100	**42196**	

[1] Also available as bulk pack of 500 pieces as item no. 42286.

43622 

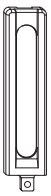
9.7.1.2 Long cover caps for surface-mounted pivot posts

				№	№ Tricoat
traffic white RAL 9016	right	dyed	100	**43622**	
	left	dyed	100	**43623**	
pearl light grey RAL 9022	right	dyed	100	**43743**	
	left	dyed	100	**43744**	
silver	right	painted	100	**363353**	
	left	painted	100	**363354**	
champagne	right	painted	100	**43733**	
	left	painted	100	**43734**	
titanium	right	painted	100	**43731**	
	left	painted	100	**43732**	
light bronze	right	dyed	100	**43727**	
	left	dyed	100	**43728**	
cream white RAL 9001	right	dyed	100	**43739**	
	left	dyed	100	**43740**	
brown F5	right	dyed	100	**43735**	
	left	dyed	100	**43736**	
chrome-look	right	metallised	100	**364087**	
	left	metallised	100	**364088**	
gold look	right	metallised	100	**43729**	
	left	metallised	100	**43730**	


362609

9.7.1.3 Long cover caps for surface-mounted pivot posts for rebated corner supports AS/PVC

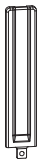
				№	№ Tricoat
traffic white RAL 9016	right	dyed	100	**362609**	
	left	dyed	100	**362610**	
pearl light grey RAL 9022	right	dyed	100	**363998**	
	left	dyed	100	**363999**	
silver	right	painted	100	**364004**	
	left	painted	100	**364005**	
champagne	right	painted	100	**364096**	
	left	painted	100	**364097**	
titanium	right	painted	100	**363996**	
	left	painted	100	**363997**	
light bronze	right	dyed	100	**364094**	
	left	dyed	100	**364095**	
cream white RAL 9001	right	dyed	100	**364000**	
	left	dyed	100	**364001**	
brown F5	right	dyed	100	**364018**	
	left	dyed	100	**364019**	
chrome-look	right	metallised	100	**364098**	
	left	metallised	100	**364099**	
gold look	right	metallised	100	**364016**	
	left	metallised	100	**364017**	


41743

9.7.1.4 Long cover caps for pivot posts DT130/PVC

			№	№ Tricoat
traffic white RAL 9016	dyed	100	**41743**[1]	
pearl light grey RAL 9022	dyed	100	**43567**	
silver	painted	100	**360231**	
champagne	painted	100	**42058**	
titanium	painted	100	**42057**	
light bronze	dyed	100	**41752**	
cream white RAL 9001	dyed	100	**42215**	
brown F5	dyed	100	**42208**	
chrome-look	metallised	100	**44242**	
gold look	metallised	100	**41760**	
graphite black RAL 9011	dyed	100	**42209**	

[1] Also available as bulk pack of 500 pieces as item no. 42287.

369611 

9.7.1.5 Long cover caps for pivot posts DT160

traffic white RAL 9016	painted	50	**369611**	
pearl light grey RAL 9022	painted	50	**369612**	
titanium	painted	50	**369613**	
gold look	painted	100	**369614**	

360464 

9.7.1.6 Recess cover caps for pivot posts DT130

traffic white RAL 9016	for 4 mm air gap, 13 mm offset	4,5	50	**360465**	
grey F1	for 4 mm air gap, 13 mm offset	2	50	**366541**	
		4,5	50	**360464**	

369529 

9.7.1.7 Recess cover caps for pivot posts DT160

grey F1	right	4/15-9 and 4/18-9	50	**369529**	
	left	4/15-9 and 4/18-9	50	**369530**	
	right	4/18-13	50	**369531**	
	left	4/18-13	50	**369532**	

364498 

365224 

9.7.1.8 Cover caps MULTI POWER for timber

pearl light grey RAL 9022	right	timber 24 mm rebate depth	dyed	20	**364498**[1]	
	left	timber 24 mm rebate depth	dyed	20	**364499**[1]	
	right	timber 30 mm rebate depth	dyed	20	**365224**[1]	
	left	timber 30 mm rebate depth	dyed	20	**365225**[1]	

[1] Cover caps Multi Power are also available with logo.

364500 

9.7.1.9 Cover caps MULTI POWER for PVC

pearl light grey RAL 9022	right	PVC 30 mm rebate depth	dyed	20	**364500**[1]	
	left	PVC 30 mm rebate depth	dyed	20	**364501**[1]	

[1] Cover caps Multi Power are also available with logo.

364498 

T 9.7.1.10 Cover caps MULTI POWER for thresholds

					№	№ Tricoat
pearl light grey RAL 9022	right	timber 24 mm rebate depth	dyed	20	**364498**[1]	
	left	timber 24 mm rebate depth	dyed	20	**364499**[1]	

[1] Cover caps Multi Power are also available with logo.

9.7.2 Cover caps for corner supports and rebated corner supports



42087

P 9.7.2.1 Cover caps for corner supports PVC

			№	№ Tricoat
traffic white RAL 9016	dyed	100	**42087**[1]	
pearl light grey RAL 9022	dyed	100	**43940**	
silver	painted	100	**360233**	
champagne	painted	100	**42096**	
titanium	painted	100	**42095**	
light bronze	dyed	100	**42093**	
cream white RAL 9001	dyed	100	**42188**	
brown F5	dyed	100	**42186**	
chrome-look	metallised	100	**44245**	
gold look	metallised	100	**42094**	
graphite black RAL 9011	dyed	100	**42187**	

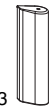
[1] Also available as bulk pack of 500 pieces as item no. 42288.



41740

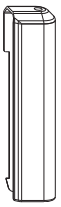
9.7.2.2 Cover caps for rebated corner supports without rebate-leg screw fixing

				№	№ Tricoat
traffic white RAL 9016	right	dyed	100	**41740**	
	left	dyed	100	**41741**	
pearl light grey RAL 9022	right	dyed	100	**43564**	
	left	dyed	100	**43565**	
silver	right	painted	100	**363116**	
	left	painted	100	**363117**	
champagne	right	painted	100	**42064**	
	left	painted	100	**42061**	
titanium	right	painted	100	**42063**	
	left	painted	100	**42060**	
light bronze	right	dyed	100	**41764**	
	left	dyed	100	**41770**	
cream white RAL 9001	right	dyed	100	**43553**	
	left	dyed	100	**43554**	
brown F5	right	dyed	100	**42599**	
	left	dyed	100	**42598**	
chrome-look	right	metallised	100	**44239**	
	left	metallised	100	**44240**	
gold look	right	metallised	100	**41769**	
	left	metallised	100	**41771**	
graphite black RAL 9011	right	dyed	100	**43518**	
	left	dyed	100	**43519**	


363403

9.7.2.3 Cover caps with tab for rebated corner supports without rebate-leg screw fixing

				№	№ Tricoat
traffic white RAL 9016	right	dyed	100	**362333**	
	left	dyed	100	**362334**	
pearl light grey RAL 9022	right	dyed	100	**363508**	
	left	dyed	100	**363509**	
silver	right	painted	100	**363403**	
	left	painted	100	**363404**	
titanium	right	painted	100	**363137**	
	left	painted	100	**363138**	
light bronze	right	dyed	100	**364100**	
	left	dyed	100	**364101**	
cream white RAL 9001	right	dyed	100	**363510**	
	left	dyed	100	**363511**	
brown F5	right	dyed	100	**364029**	
	left	dyed	100	**364030**	
chrome-look	right	metallised	100	**364104**	
	left	metallised	100	**364105**	
gold look	right	metallised	100	**364027**	
	left	metallised	100	**364028**	


43587

9.7.2.4 Cover caps for rebated corner supports with rebate-leg screw fixing

				№	№ Tricoat
traffic white RAL 9016	right	dyed	100	**43587**	
	left	dyed	100	**43588**	
pearl light grey RAL 9022	right	dyed	100	**43597**	
	left	dyed	100	**43608**	
silver	right	painted	100	**360953**	
	left	painted	100	**360954**	
champagne	right	painted	100	**43593**	
	left	painted	100	**43604**	
titanium	right	painted	100	**43592**	
	left	painted	100	**43603**	
light bronze	right	dyed	100	**43590**	
	left	dyed	100	**43601**	
cream white RAL 9001	right	dyed	100	**43598**	
	left	dyed	100	**43609**	
brown F5	right	dyed	100	**43595**	
	left	dyed	100	**43606**	
chrome-look	right	metallised	100	**44246**	
	left	metallised	100	**44247**	
gold look	right	metallised	100	**43591**	
	left	metallised	100	**43602**	
graphite black RAL 9011	right	dyed	100	**43596**	
	left	dyed	100	**43607**	



43651

9.7.2.5 Dust cover caps for corner supports PVC

			№	№ Tricoat
traffic white RAL 9016	dyed	100	**40341**	
pearl light grey RAL 9022	dyed	100	**43651**	
titanium	dyed	100	**209669**	
grey aluminium RAL 9007	dyed	100	**224132**	
grey brown RAL 8019	dyed	100	**203287**	



43626

9.7.2.6 Dust cover caps for rebated corner supports AS/DTuni with rebate-leg screw fixing

			№	№ Tricoat
traffic white RAL 9016	dyed	100	**42166**	
pearl light grey RAL 9022	dyed	100	**43626**	
titanium	dyed	100	**358989**	
grey brown RAL 8019	dyed	100	**360230**	
pearl gold RAL 1036	dyed	100	**40342**	



42185

9.7.2.7 Dust cover caps for rebated corner supports AS/PVC and rebated corner supports DTuni without rebate-leg screw fixing

			№	№ Tricoat
traffic white RAL 9016	dyed	100	**42185**	
pearl light grey RAL 9022	dyed	100	**43701**	
black brown RAL 8022	dyed	100	**368556**	



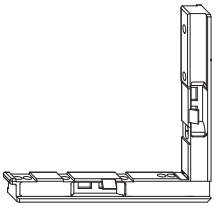
364726

9.7.2.8 Dust cover caps for rebated corner supports MULTI MAMMUT

			№	№ Tricoat
traffic white RAL 9016	dyed	100	**364726**	
pearl light grey RAL 9022	dyed	100	**363148**	
titanium	dyed	100	**367573**	

9.8 Accessories for pivot posts


40485


44234

9.8.1 Spacer bars for corner support

				№	№ Tricoat
graphite black RAL 9011	packer	for rebated corner support AS/DTuni	100	**40485**	
	packer with faceplate for 1 mm offset	for rebated corner support AS/DTuni	100	**40486**	
	spacer bar for corner support	for rebated corner support AS/DTuni	100	**44234**	


36668


369535

T 9.8.2 Support rawlplug and support dowel

			L		№	№ Tricoat
silver	support rawlplug Multi Power timber		19	50	**36668**	**385088**
	support rawlplug pivot post DT160 4 mm air gap / 12 mm air gap	8	20	50	**369535**	

10 French casement locks

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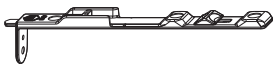
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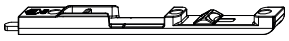
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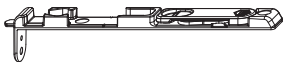
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10 French casement locks

10.1 Shootbolts

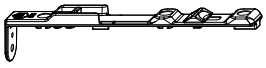
214293 

214506 

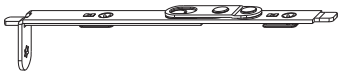
55167 

T 10.1.1 Shootbolts for Euro-rebate

		L		№	№ Tricoat
silver	top MM/MMKS Euro-rebate 18 mm rebate depth 9 mm offset	162	20	**214293**	**233388**
	top MM/MMKS Euro-rebate 24 mm rebate depth 13 mm offset	162	20	**218176**	**233412**
	top MM/MMKS 4 mm air gap R8	170	20	**214506**	
	bottom MT/MM 4 mm air gap R8	170	20	**55409**	**233386**
	bottom MT/MM Euro-rebate 18 mm rebate depth 9 mm offset	170	20	**55167**	**233385**
	bottom MMKS Euro-rebate 24 mm rebate depth 13 mm offset	170	20	**218177**	**233413**

213922 

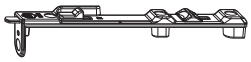
52504 

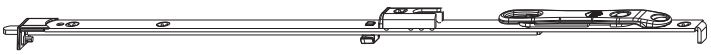
57300 

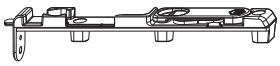
T 10.1.2 Shootbolts for hardware groove

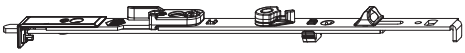
		L		№	№ Tricoat
silver	top MM/MMKS hardware groove	162	20	**213922**	**233411**
	bottom MT/MM hardware groove	170	20	**52504**	**233384**
	bottom and top flat hardware groove	187	20	**57300**	

211936 

214336 

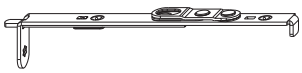
209073 

214445 

215781 

215304 

208954 

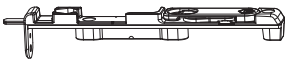
202068 

208956 

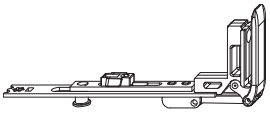
202488 

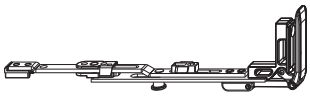
10.1.3 Shootbolts for Eurogroove		L		№	№ Tricoat
silver	top controlled MM	138	20	**211936**	
	top right MM/MMKS for Eurogroove	162	20	**214336**	**233410**
	top left MM/MMKS for Eurogroove	162	20	**214337**	**233389**
	top with i.S. striker plate and operating lever MM	450	20	**209073**	
	bottom right MMKS for Eurogroove	170	20	**214445**	**233415**
	bottom left MMKS for Eurogroove	170	20	**214446**	**233414**
	bottom flat console with reversible striker plate and swivel plate HH 300 MM	288	20	**215781**	
	bottom flat console with reversible striker plate and swivel plate HH 400 MM	288	20	**215780**	
	bottom with reversible striker plate and sash lifter run-up HH 300 MMKS	288	20	**215304**	
	bottom with reversible striker plate and sash lifter run-up HH 400 MMKS	288	20	**215303**	
	bottom with i.S. striker plate and sash lifter run-up HH 300 MM	288	20	**208955**	
	bottom with i.S. striker plate and sash lifter run-up HH 400 MM	288	20	**208954**	
	bottom and top flat MT/MM for Eurogroove	180	20	**202068**	**233387**
	bottom and top MT/MM for Eurogroove	286	20	**208956**	
	bottom and top for Eurogroove	425	20	**202488**	
	bottom and top for striker plate and reverse-action lever MM for Eurogroove	450	20	**215240**[1]	

[1] Compatible striker plate item no. 94221.

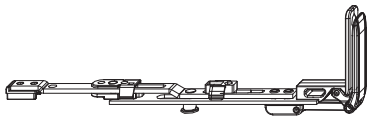
218732 

10.1.4 Shootbolts for thresholds for 18 mm air gap		L		№	№ Tricoat
silver	bottom right MM/MMKS for Eurogroove and 18 mm deadbolt protrusion	170	20	**218732**	
	bottom left MM/MMKS for Eurogroove and 18 mm deadbolt protrusion	170	20	**218733**	

202251 

202252 

10.1.5 Horizontal French casement locks		L			№	№ Tricoat
silver	French casement lock MM	153	230 - 800	20	**202251**	**233621**
	extendable French casement lock MM	153	240 - 1.800	20	**202252**	**233622**



215336

10.1.6	Horizontal French casement lock for flat rebate on second sash	L			№	№ Tricoat
silver	French casement lock MM extendable with flat fixing tab	153	240 - 1.650	20	**215336**	

10.2 French casement drive gears

10.2.1 French casement drive gears for Eurogroove

221902 

10.2.1.1 French casement drive gears for Eurogroove FHH

						№	№ Tricoat
silver		660	190	431 - 660	10	**202873**[1]	**233461**[1]
	for 1 i.S.	840	300	661 - 840	10	**221901**	**233462**
		1090	400	841 - 1.090	10	**221902**	**233463**
		1340	500	1.091 - 1.340	10	**221903**	**233464**
	for 2 i.S.	1590	600	1.341 - 1.590	10	**221906**	**233465**
		1700	700	1.591 - 1.700	10	**207242**	**233466**
	for 3 i.S.	1950	1.050	1.701 - 1.950	10	**221907**	**233467**
		2200	1.050	1.951 - 2.200	10	**221908**	**233468**
	for 4 i.S	2450	1.050	2.201 - 2.450	10	**221909**	**233469**

[1] Use only in combination with turn-only drive gear 660 (item no. 201731).

209776 

10.2.1.2 French casement drive gears for Eurogroove FHH with offset HH

						№	№ Tricoat
silver	for 1 i.S.	1090	300	841 - 1.090	10	**217875**	
			500	841 - 1.090	10	**209776**	
		1340	400	1.091 - 1.340	10	**217878**	
	for 2 i.S.	1590	500	1.341 - 1.590	10	**221911**[1]	**233475**[1]
		1700	500	1.591 - 1.700	10	**209263**	**233476**

[1] Use only in combination with T&T drive gear 1590 (item no. 201745).

209508 

10.2.1.3 French casement drive gears for tilt lock bolt for Eurogroove FHH

						№	№ Tricoat
silver	for 1 VZ	840	300	661 - 840	10	**209507**[1]	**233477**[1]
		1090	400	841 - 1.090	10	**209508**	**233478**
		1340	500	1.091 - 1.340	10	**209510**	**233520**
	for 2 VZ	1590	600	1.341 - 1.590	10	**209512**	**233522**
		1700	700	1.591 - 1.700	10	**209514**	**233524**
	for 3 VZ	1950	1.050	1.701 - 1.950	10	**209517**	**233527**
		2200	1.050	1.951 - 2.200	10	**209518**	**233528**
	for 4 VZ	2450	1.050	2.201 - 2.450	10	**209519**	**233529**

[1] Only in combination with turn-only drive gear 840 with tilt lock bolt (item no. 209590).

209509 

10.2.1.4 French casement drive gears for tilt lock bolt for Eurogroove FHH with offset HH

						№	№ Tricoat
silver	for 1 VZ	1090	300	841 - 1.090	10	**209509**[1]	**233479**[1]
			500	841 - 1.090	10	**216143**	
		1340	400	1.091 - 1.340	10	**209511**	**233521**
		1590	500	1.341 - 1.590	10	**209513**	**233523**
		1700	500	1.591 - 1.700	10	**209516**	**233526**
	for 2 VZ	1700	600	1.591 - 1.700	10	**209515**	**233525**

[1] Can be used only in combination with turn-only drive gear 1090 with tilt lock bolt (item no. 209591).

218715 

10.2.1.5 French casement drive gears for Eurogroove FHH for thresholds						№	№ Tricoat
silver	for 3 VZ	1950	1.050	1.701 - 1.950	10	**218715**	
		2200	1.050	1.951 - 2.200	10	**218716**	
	for 4 VZ	2450	1.050	2.201 - 2.450	10	**218717**	

221904 

10.2.1.6 French casement drive gears EH for Eurogroove FHH						№	№ Tricoat
silver	for 2 i.S.	840	300	661 - 840	10	**206582**[1,2]	**233470**[1,2]
		1090	400	841 - 1.090	10	**221904**[2]	**233471**[2]
		1340	500	1.091 - 1.340	10	**221905**[2]	**233472**[2]
	for 3 i.S.	1590	600	1.341 - 1.590	10	**205643**[2]	**233473**[2]
		1700	700	1.591 - 1.700	10	**207308**[2,3]	**233474**[2,3]

[1] Use only in combination with turn-only drive gear 840 EH (item no. 206614).
[2] For burglar-resistant windows according to standard EN 1627.
[3] Above SRH 1700 mm use French casement drive gear FHH for Eurogroove and crop at 170 mm notch. Then extend with bottom end piece for drive gears VHH item no. 205717.

221910 

10.2.1.7 French casement drive gears EH for Eurogroove FHH with offset HH						№	№ Tricoat
silver	for 2 i.S.	1090	300	841 - 1.090	10	**217877**[1,2]	
		1340	400	1.091 - 1.340	10	**221910**[2,3]	
		1590	500	1.341 - 1.590	10	**209023**[2,4]	
	for 3 i.S.	1700	600	1.591 - 1.700	10	**208967**[2]	
		1950	700	1.701 - 1.950	10	**208970**[2]	

[1] Use only in combination with T&T drive gear EH 1090 (item no. 201743). Remove sash lifter there.
[2] For burglar-resistant windows according to standard EN 1627.
[3] Use only in combination with T&T drive gear EH 1340 (item no. 201744).
[4] Use only in combination with T&T drive gear EH 1590 (item no. 208804).

229658 

10.2.1.8 French casement drive gears FHH for hook closure						№	№ Tricoat
silver	for 4 i.S	1950	1.050	1.700 - 1.950	10	**229658**	
		2200	1.050	1.951 - 2.200	10	**229659**	

227937 

202471 

10.2.1.9 French casement drive gears for Eurogroove VHH i.S.					№	№ Tricoat
silver	for 1 i.S.	800	695 - 800	10	**227937**[1]	
		1250	801 - 1.250	10	**202471**[1]	**233595**[1]
	for 2 i.S.	1750	1.251 - 1.750	10	**202472**	**233596**
	for 3 i.S.	2250	1.751 - 2.250	10	**202473**	**233597**

[1] Use only in combination with corner element item no. 202475.

211791 

10.2.1.10 French casement drive gears for Eurogroove VHH VZ					№	№ Tricoat
silver	for 1 VZ	1250	840 - 1.250	10	**211791**[1]	
	for 2 VZ	1750	1.251 - 1.750	10	**209670**	
	for 3 VZ	2250	1.751 - 2.250	10	**209671**	

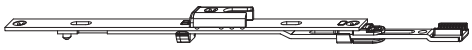
[1] Use only in combination with end piece item no. 209648. At centered handle position the application range changes to 930 – 1250 mm.

227784 

10.2.1.11 French casement drive gears EH for Eurogroove VHH with central reverse-action lever					№	№ Tricoat
silver	without strikers	800	500 - 800	10	**227784**[1]	**250581**[1]
		1250	801 - 1.250	10	**227785**[1]	**250582**[1]

[1] For burglar-resistant windows according to standard EN 1627.

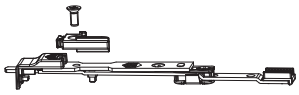
10.2.1.12 Extensions, end pieces and accessories for French casement drive gears for Eurogroove

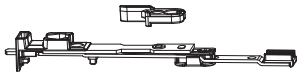
203810 

208333 

10.2.1.12.1 Faceplate extensions for French casement drive gears

silver	for 1 i.S.	235	20	**203810**	**233416**
		470	20	**208333**	**233418**
	for 1 VZ	235	20	**214712**	**232910**

211745 

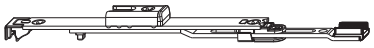
209637 

209648 

10.2.1.12.2 End pieces with shootbolt protrusion for French casement drive gears MM-KS

silver	top		20	**211745**[1]	**233383**[1]
	bottom		20	**209637**[1]	**233380**[1]
		with reverse-action lever	20	**209648**[1]	**236924**[1]

[1] Striker plate enclosed.

205717 

10.2.1.12.3 End piece EH for French casement drive gears

silver	with striker bottom	1.340 - 2.450	20	**205717**[1]	**233627**[1]

[1] For burglar-resistant windows according to standard EN 1627.

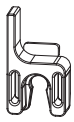
44660 

97550 

44162 

366284 

369828 

369827 

10.2.1.12.4 Accessories for French casement drive gears for Eurogroove

			Ø	L			
silver	striker cover for French casement drive gear MM				100	**44660**	
	locking slider for French casement drive gear MM				100	**97550**[1]	
	thread tapping screw for slider-locks MM	M	5	12	100	**44162**	
	extension for sash lifter run-up				100	**366284**	
pearl light grey RAL 9022	spare part lifter run-up for French casement drive gear right				50	**369828**	
	spare part lifter run-up for French casement drive gear left				50	**369827**	

[1] Thread forming screw item no. 44162 must be ordered separately.

10.2.2 French casement drive gears for hardware groove



226635

10.2.2.1 French casement drive gears for hardware groove FHH

						№	№ Tricoat
silver		660	190	431 - 660	10	**203482**[1,2]	
	for 1 i.S.	840	300	661 - 840	10	**226629**[1]	
		1090	400	841 - 1.090	10	**226635**[1]	
		1340	500	1.091 - 1.340	10	**226636**[1]	
	for 2 i.S.	1590	600	1.341 - 1.590	10	**226637**[1]	
		1700	700	1.591 - 1.700	10	**226638**[1]	
	for 3 i.S.	1950	1.050	1.701 - 1.950	10	**226639**[1]	
		2200	1.050	1.951 - 2.200	10	**226640**[1]	**233564**[1]
	for 4 i.S	2450	1.050	2.201 - 2.450	10	**226641**[1]	**233565**[1]

[1] Bracket item no. 94035 and faceplate restrainer item no. 94036 must be ordered separately! The type and the number of fixtures is dependent on the capabilities of the French casement drive gear after cutting.
[2] Possible only with turn-only drive gear BS 15!



226643

10.2.2.2 French casement drive gears for hardware groove FHH with offset HH

						№	№ Tricoat
silver	for 1 i.S.	1090	300	841 - 1.090	10	**226642**[1]	
			500	841 - 1.090	10	**226643**[1]	
	for 2 i.S.	1340	400	1.091 - 1.340	10	**226644**[1]	
		1590	500	1.341 - 1.590	10	**226645**[1]	

[1] Bracket item no. 94035 and faceplate restrainer item no. 94036 must be ordered separately! The type and the number of fixtures is dependent on the capabilities of the French casement drive gear after cutting.



226646

10.2.2.3 French casement drive gears for tilt lock bolt for hardware groove FHH

						№	№ Tricoat
silver	for 1 VZ	840	300	661 - 840	10	**209556**[1,2]	**233540**[1,2]
		1090	400	841 - 1.090	10	**226646**[1]	**233566**[1]
		1340	500	1.091 - 1.340	10	**226647**[1]	**233567**[1]
	for 2 VZ	1590	600	1.341 - 1.590	10	**226648**[1]	**233568**[1]
		1700	700	1.591 - 1.700	10	**226649**[1]	**233569**[1]
	for 3 VZ	1950	1.050	1.701 - 1.950	10	**226650**[1]	**233590**[1]
		2200	1.050	1.951 - 2.200	10	**226651**[1]	**233591**[1]
	for 4 VZ	2450	1.050	2.201 - 2.450	10	**226652**[1]	**233592**[1]

[1] Bracket item no. 94035 and faceplate restrainer item no. 94036 must be ordered separately! The type and the number of fixtures is dependent on the capabilities of the French casement drive gear after cutting.
[2] Possible only with turn-only drive gear BS 15!


209558

10.2.2.4 French casement drive gears for tilt lock bolt for hardware groove FHH with offset HH

							№	№ Tricoat
silver	for 1 VZ	1090	300	841 - 1.090	10		**209558**[1]	**233541**[1]
			500	841 - 1.090	10		**226653**[1]	
		1340	400	1.091 - 1.340	10		**226654**[1]	
		1590	500	1.341 - 1.590	10		**226655**[1]	**233593**[1]
		1700	500	1.591 - 1.700	10		**226656**[1]	**233594**[1]
	for 2 VZ	1700	600	1.591 - 1.700	10		**226657**[1]	

[1] Bracket item no. 94035 and faceplate restrainer item no. 94036 must be ordered separately! The type and the number of fixtures is dependent on the capabilities of the French casement drive gear after cutting.


211795

10.2.2.5 French casement drive gears for hardware groove with 180° operating lever

							№	№ Tricoat
silver	right	840	300	661 - 840	10		**211793**[1]	**236989**[1]
		1090	400	841 - 1.090	10		**211795**[1]	**233543**[1]
		1340	500	1.091 - 1.340	10		**211797**[1]	**233545**[1]
		1590	600	1.341 - 1.590	10		**211799**[1]	**233547**[1]
		1700	700	1.591 - 1.700	10		**211801**[1]	**236991**[1]
		1950	1.050	1.701 - 1.950	10		**211803**[1]	**233549**[1]
		2200	1.050	1.951 - 2.200	10		**211805**[1]	**233561**[1]
		2450	1.050	2.201 - 2.450	10		**211807**[1]	**233563**[1]
	left	840	300	661 - 840	10		**211792**[1]	**236988**[1]
		1090	400	841 - 1.090	10		**211794**[1]	**233542**[1]
		1340	500	1.091 - 1.340	10		**211796**[1]	**233544**[1]
		1590	600	1.341 - 1.590	10		**211798**[1]	**233546**[1]
		1700	700	1.591 - 1.700	10		**211800**[1]	**236990**[1]
		1950	1.050	1.701 - 1.950	10		**211802**[1]	**233548**[1]
		2200	1.050	1.951 - 2.200	10		**211804**[1]	**233560**[1]
		2450	1.050	2.201 - 2.450	10		**211806**[1]	**233562**[1]

[1] Bracket item no. 94035 and faceplate restrainer item no. 94036 must be ordered separately! The type and the number of fixtures is dependent on the capabilities of the French casement drive gear after cutting.


226658

10.2.2.6 French casement drive gears for hardware groove VHH

						№	№ Tricoat
silver	for 1 i.S.	1250	801 - 1.250	10		**226658**[1,2]	**233598**[1,2]
	for 1 VZ	1250	840 - 1.250	10		**226659**[2,3]	
	for 2 i.S.	1750	1.251 - 1.750	10		**226660**[2]	**233599**[2]
	for 3 i.S.	2250	1.751 - 2.250	10		**226661**[2]	**233620**[2]

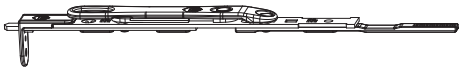
[1] End piece item no. 203771 required (length 200 mm).
[2] Bracket item no. 94035 and faceplate restrainer item no. 94036 must be ordered separately! The type and the number of fixtures is dependent on the capabilities of the French casement drive gear after cutting.
[3] End piece item no. 209647 required (length 269 mm) with tilt striker plate.

10.2.2.7 Extensions, end pieces and accessories for French casement drive gears for hardware groove

218626  203480  205921 

10.2.2.7.1 Faceplate extensions for French casement drive gears MM for hardware groove

			Nº	Nº Tricoat
silver	140 without striker plate	20	**218626**	**233419**
	235 with striker	20	**203480**	**233417**
	470 with striker	20	**218627**	**233460**
	connecting plate MM hardware groove	50	**205921**	**236912**

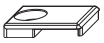
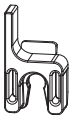
203496  211395  203771 

209647 

10.2.2.7.2 End pieces for French casement drive gears for hardware groove

				Nº	Nº Tricoat
silver	End piece for French casement drive-gear MM hardware groove	top with shootbolt	20	**203496**	**233377**
		top with striker with shootbolt	20	**211395**	**233379**
		bottom with reverse-action lever	20	**203771**[1,2]	**233378**[1,2]
	End piece for French casement drive gear MMKS hardware groove	bottom with shootbolt	20	**209775**	**233382**
		bottom for tilt lock bolt with operating lever	20	**209647**[1,3]	**233381**[1,3]

[1] Order connection plate item no. 205921 separately!
[2] For French casement drive gear use item no. 226658!
[3] For French casement drive gear use item no. 226659!

44318  94035  94036  369827 

10.2.2.7.3 Accessories for French casement drive gears for hardware groove

			Nº	Nº Tricoat
silver	packer for serrated carrier connection	100	**44318**	
	fixing clamp	100	**94035**	**372753**
	faceplate restrainer	50	**94036**	**372754**
pearl light grey RAL 9022	spare part lifter run-up for French casement drive gear right	50	**369828**	
	spare part lifter run-up for French casement drive gear left	50	**369827**	

10.2.3 French casement drive gears for intermediate profiles (without striker plates)

205962 

10.2.3.1 French casement drive gears for intermediate profiles FHH							№	№ Tricoat
silver	without striker plates	660	190	431 - 660	10		**205962**	
		1090	400	841 - 1.090	10		**205964**	
		1340	500	1.091 - 1.340	10		**205965**	
		1590	600	1.341 - 1.590	10		**205966**	
		1950	1.050	1.701 - 1.950	10		**205967**	
		2200	1.050	1.951 - 2.200	10		**205968**	

205970 

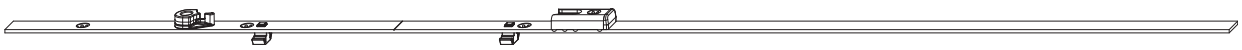
10.2.3.2 French casement drive gears for intermediate profiles VHH						№	№ Tricoat
silver	without striker plates	1250	801 - 1.250	10		**205970**[1]	
		1750	1.251 - 1.750	10		**205971**	
		2250	1.751 - 2.250	10		**205972**	

[1] Only in combination with corner element item no. 205973.

10.2.3.3 Accessories for French casement drive gears for intermediate profiles

205995 

10.2.3.3.1 Operating levers for French casement drive gears without striker plate				№	№ Tricoat
silver	right	with spacer sleeve 13 mm	20	**208433**	
		with spacer sleeve 36 mm	20	**208434**	
		with spacer sleeve 43 mm	20	**208435**	
	left	with spacer sleeve 13 mm	20	**205995**	
		with spacer sleeve 36 mm	20	**206108**	
		with spacer sleeve 43 mm	20	**206107**	

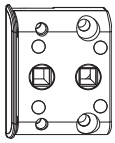
202128 

10.3 Single piece door striker		L					№	№ Tricoat
silver	for 1 i.S.	1340	1.296,5	500	841 - 1.340	10	**202128**	
	for 2 i.S.	1590	1.559,5	600	1.341 - 1.590	10	**202131**	
	for 3 i.S.	2200	2.169,5	1.050	1.701 - 2.200	10	**202133**	

204245 

10.4 Faceplate extension for single piece door striker MM with striker plate	L		№	№ Tricoat
silver	349,5	20	**204245**	

10.5 Accessories for 2-sashed windows


10804

10.5.1 Intermediate drive gears with spindle

					№	№ Tricoat
silver	12 air gap/18 rebate leg/9 offset		-6	20	**10804**[1]	**105993**[1]
	12 air gap/18 rebate leg/13 offset		-6	20	**102233**[1]	
	12 air gap/20 rebate leg/9 offset		-6	20	**10920**[1]	
	12 air gap/20 rebate leg/13 offset		-6	20	**102234**[1]	
	18 rebate leg		-6	20	**58105**	**233624**
	4 air gap/15 rebate leg/9 offset		-3,5	20	**10945**[1]	**105992**[1]
	PVC	24,5 mm	-6	20	**57248**	
		25,3 mm	-6	20	**204062**	
		27,5 mm	-6	20	**57249**	
		30,3 mm	-6	20	**57251**	
		31,55 mm	-6	20	**201499**	**233623**

[1] Available for PVC windows upon request.

10.5.2 Accessories for intermediate drive gears


44274

T 10.5.2.1 Packer for intermediate drive gears

			L			№	№ Tricoat
silver	9 mm offset	5 mm (for MACO seals TE3005b, TE3006, TE3017a, TE3026, TE3027, TC2039)	56	5	100	**44274**[1]	
		6 mm (for MACO seals TC2004, TE3007, TC2049, TE3012, TE3008, TC2001)	56	6	100	**44250**[2]	
		7 mm (for MACO seals TC2004, TE3007, TC2049, TE3012, TE3008, TC2001)	56	7	100	**44300**[3]	
		without rebate leg gasket, 1 mm distance	56	1,5	100	**360221**	
	13 mm offset	10 mm (for MACO seals TC2004, TE3007, TC2049, TE3012, TE3008, TC2001)	56	11	100	**356970**	
		10 mm (for MACO seals TE3005b, TE3006, TE3017a, TE3026, TE3027, TC2039)	56	11	100	**43509**	
		without rebate leg gasket	56	6	100	**360220**	

[1] For rebate leg gasket 9 mm offset, without overlap gasket 13 mm offset. For large rebate leg gasket TE3005, SV715.
[2] For small rebate leg gasket TC2004, TE3007, TC2049, TE3012, TE3008, TC2001.
[3] For rebate leg gasket plus 1 mm.


32365

T 10.5.2.2 Spindles for intermediate drive gears

		№	№ Tricoat
spindle for intermediate drive gear 7x20 mm profile thickness	100	**32365**	
spindle for intermediate drive gear 7x25 mm profile thickness	100	**32412**[1]	
spindle for intermediate drive gear 7x30 mm profile thickness	20	**93228**[2]	

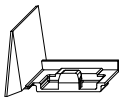
[1] For rebate leg gasket 9 mm offset, without overlap gasket 13 mm offset. For large rebate leg gasket TE3005, SV715.
[2] For rebate leg gasket 13 mm offset.

94219 

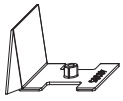
10.5.2.3 Drill-in bush for deadbolt 8 x 4 mm		№	№ Tricoat
silver	100	**94219**	

357074 

10.5.3 Gap cover caps MM				№	№ Tricoat
silver	left bottom	9 mm offset	100	**357091**	
		11 mm offset	100	**357092**	
		13 mm offset	100	**357093**	
	left top	9 mm offset	100	**357078**	
		11 mm offset	100	**357074**	
		13 mm offset	100	**357075**	
	right bottom	9 mm offset	100	**357079**	
		11 mm offset	100	**357076**	
		13 mm offset	100	**357077**	
	right top	9 mm offset	100	**357088**	
		11 mm offset	100	**357089**	
		13 mm offset	100	**357090**	

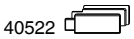
360950 

10.5.4 Gap cover caps MM-KS				№	№ Tricoat
silver	top left / bottom right	9 mm offset	100	**360950**	
		11 mm offset	100	**365193**	
		13 mm offset	100	**365195**	
	top right / bottom left	9 mm offset	100	**360951**	
		11 mm offset	100	**365194**	
		13 mm offset	100	**365196**	

43791 

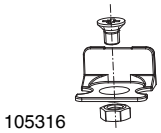
10.5.5 Gap cover cap for hardware groove - sash part		№	№ Tricoat
pearl light grey RAL 9022	100	**43791**	





10.5.6 Alu profiles for French casement drive gears

		L		№	№ Tricoat
blank	Aluminium profile for French casement drive-gear	1.000	10	**37535**	
		1.250	10	**37536**	
		1.500	10	**37537**	
		1.800	10	**37554**	
		2.350	10	**37538**	
		2.600	10	**357399**	
		6.000	10	**37571**	
grey F1	Clip-on end cap for aluminium groove		100	**40522**	



10.5.7 Fixing of scissor stays for French casement EH

		№	№ Tricoat
silver	50	**105316**	

10.6 Accessories for French casement drive gears

213460 

T 10.6.1 Bullet catch for French casement drive gear

				Tricoat
silver	bullet catch French casement drive gear	50	**213460**[1,2]	

[1] Order steel bullet catch roll item no. 362446 or PVC item no. 362060 separately!
[2] For Eurogroove use packer item no. 362059!



362446

10.6.2 Bullet catch rolls

				Tricoat
pearl light grey RAL 9022	bullet catch roll PVC	100	**362060**	
silver	bullet catch roll steel	100	**362446**	

362059 

10.6.3 Packer for bullet catch roll

			Tricoat
silver	packer for bullet catch roll for Eurogroove	100	**362059**	

365791 

10.6.4 Striker plate i.S. for French casement drive gear MM-KS

				Tricoat
silver	for French casement drive gear MMKS	100	**365791**	**372575**

35178  218605 

10.6.5 Latch striker plates for balcony door locks B-TV

					Tricoat
silver	for French casement drive gear	1 fixed slot	50	**35178**	**372752**
		adjustable	50	**218605**	

11 Striker plates

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11 Striker plates

11.1 Striker plates 4 mm air gap

11.1.1 Striker plates 4 mm air gap

30545  363020 

11.1.1.1 Striker plates 4 mm air gap

					№	№ Tricoat
silver	for 4 mm air gap 9 mm offset			200	**30545**[1,2]	**372431**[1,2]
	for 4 mm air gap 13 mm offset		right	200	**363020**[2,3]	
			left	200	**363021**[2,3]	
		- 1 mm gasket-compression	right	200	**357671**[2,3]	**372492**[2,3]
			left	200	**357672**[2,3]	**372493**[2,3]

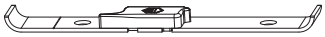
[1] 18 mm milling depth.
[2] Routing length 90 mm.
[3] 22 mm milling depth.

34998  364602 

11.1.1.2 Striker plates for 3-sashed windows 4 mm air gap

				№	№ Tricoat
silver	for 4 mm air gap 9 mm offset		200	**34998**[1,2]	
	for 4 mm air gap 13 mm offset	right	100	**364602**[2,3]	
		left	100	**364604**[2,3]	

[1] 18 mm milling depth.
[2] Routing length 90 mm.
[3] 22 mm milling depth.

356504  206113  214543 

11.1.1.3 Sash lifters 4 mm air gap

					№	№ Tricoat
silver	for 4 mm air gap 9 mm offset		right	100	**356504**[1,2]	**372476**[1,2]
			left	100	**356505**[1,2]	**372477**[1,2]
		with door catch	right	20	**206113**[1,3]	
			left	20	**206114**[1,3]	
	for 4 mm air gap 13 mm offset		right	100	**357675**[2,4]	**372581**[2,4]
			left	100	**357676**[2,4]	**372582**[2,4]
		with door catch	right	20	**214543**[3,4]	
			left	20	**214544**[3,4]	

[1] 18 mm milling depth.
[2] Routing length 90 mm.
[3] Routing length 160 mm.
[4] 22 mm milling depth.

96565 

11.1.1.4 Striker plates i.S. 4 mm air gap

						№	№ Tricoat
silver	for 4 mm air gap 9 mm offset	angled screw-fixing		right	100	**96565**[1,2]	**372435**[1,2]
				left	100	**96566**[1,2]	**372436**[1,2]
			- 1 mm gasket-compression	right	100	**96305**[1,2]	
				left	100	**96306**[1,2]	
	for 4 mm air gap 9 mm offset without reinforcement rings	angled screw-fixing		right	100	**357958**[1,2]	
				left	100	**357959**[1,2]	
	for 4 mm air gap 13 mm offset	angled screw-fixing		right	100	**357673**[2,3]	**372494**[2,3]
				left	100	**357674**[2,3]	**372495**[2,3]
			- 1 mm gasket-compression	right	100	**360102**[2,3]	**372605**[2,3]
				left	100	**360103**[2,3]	**372606**[2,3]

[1] 18 mm milling depth.
[2] Routing length 90 mm.
[3] 22 mm milling depth.

96200 

11.1.1.5 Horizontal tilt striker plates i.S. 4 mm air gap

					№	№ Tricoat
silver	for 4 mm air gap 9 mm offset	angled screw-fixing	right	100	**96200**[1,2]	**372408**[1,2]
			left	100	**96201**[1,2]	**372409**[1,2]
	for 4 mm air gap 13 mm offset	angled screw-fixing	right	100	**357678**[2,3]	**372555**[2,3]
			left	100	**357679**[2,3]	**372556**[2,3]

[1] 18 mm milling depth.
[2] Routing length 90 mm.
[3] 22 mm milling depth.

372854 

11.1.1.6 Tilt-first striker plates i.S. 4 mm air gap

				№	№ Tricoat
silver	MM	left/right	100	**372854**	

55112 
23883 
220089 

11.1.1.7 Shootbolt striker plates 4 mm air gap

					№	№ Tricoat
silver	for 4 mm air gap 9 mm offset			100	**55112**[1,2]	
		2 slots		100	**23883**[1,2]	**372407**[1,2]
			+ 1 mm gasket-compression	100	**26083**[1,2]	
		3 slots		100	**220089**[1,3,4]	
	for 4 mm air gap 13 mm offset	2 slots		100	**209338**[2,5]	**250192**[2,5]

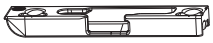
[1] 18 mm milling depth.
[2] Routing length 90 mm.
[3] Routing length 120 mm.
[4] For windows - Group C5 EN 12210.
[5] 22 mm milling depth.

30274  358993 

11.1.1.8 Tilt striker plates 4 mm air gap

					№	№ Tricoat
silver	for 4 mm air gap 9 mm offset		right and left	100	**30274**[1,2]	**372380**[1,2]
	for 4 mm air gap 13 mm offset		right	100	**358993**[2,3]	
			left	100	**358994**[2,3]	

[1] 18 mm milling depth.
[2] Routing length 90 mm.
[3] 22 mm milling depth.

55214  365573 

11.1.1.9 Sash lifter striker plates and tilt striker plates for half round and angled windows 4 mm air gap

					№	№ Tricoat
silver	sash lifter striker plate for half round and angled windows for 4 mm air gap 9 mm offset			50	**55214**[1,2,3]	
	sash lifter striker plate for half round and angled windows for 4 mm air gap 13 mm offset			50	**209364**[2,3,4]	
	tilt striker i.S. horizontal for half round and angled windows for 4 mm air gap 9 mm offset	angled screw-fixing	right	100	**365573**[1,5,6]	
			left	100	**365574**[1,5,6]	
	tilt striker i.S. horizontal for half round and angled windows for 4 mm air gap 13 mm offset	angled screw-fixing	right	100	**365571**[4,5,6]	
			left	100	**365572**[4,5,6]	
	sash lifter striker plate for half round and angled windows for 4 mm air gap 13 mm offset			50	**218076**[4,5,6,7]	
	sash lifter striker plate for half round and angled windows for 4 mm air gap 9 mm offset			50	**218077**[1,5,6,7]	

[1] 18 mm milling depth.
[2] Routing length 90 mm.
[3] Use with corner element item no. 215216, item no. 215217.
[4] 22 mm milling depth.
[5] Use with corner element item no. 218071, item no. 218072.
[6] Routing length 169 mm.
[7] Only in combination with tilt lock item no. 218072.

94022

11.1.1.10 Run-up block 4 mm air gap for horizontal tilt lock

			№	№ Tricoat
silver	run-up block 4 mm air gap	500	**94022**	

11.2 Striker plates 12 mm air gap, hardware groove 6/8/4

34921 

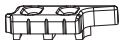
11.2.1 Striker plates 12 mm air gap, hardware groove 6/8/4

silver			200	**34921**	**372433**
	- 1 mm gasket-compression		200	**34979**	**372438**

34917 

11.2.2 Striker plate for 3-sashed windows 12 mm air gap, hardware groove 6/8/4

silver		200	**34917**	

363175 

11.2.3 Sash lifters 12 mm air gap, hardware groove 6/8/4

silver		right	100	**363175**	
		left	100	**363176**	

96563 

11.2.4 Striker plates i.S. 12 mm air gap, hardware groove 6/8/4

silver	angled screw-fixing		100	**96563**	
		- 1 mm gasket-compression	100	**96263**	

23886 

11.2.5 Shootbolt striker plates 12 mm air gap, hardware groove 6/8/4

silver	2 slots		100	**23886**[1]	**372403**[1]
		+ 1 mm gasket-compression	100	**26610**	

[1] Not suitable for rebate depth 18 mm; gasket compression depends on installation position.

33932 

11.2.6 Tilt striker plate 12 mm air gap, hardware groove 6/8/4

silver		right and left	100	**33932**	**372383**

56930 

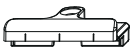
11.2.7 Striker plate for espagnolette with mounted tilt scissor stay 12 mm air gap, hardware groove 6/8/4

silver		100	**56930**	

94322 

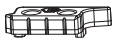
	11.2.8 Latch striker plate 12 mm air gap, hardware groove 6/8/4		№	№ Tricoat
silver	adjustable	50	**94322**	

11.3 Striker plates 12 mm air gap, hardware groove 7/8/4

34522 

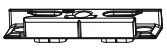
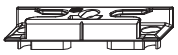
11.3.1 Striker plates 12 mm air gap, hardware groove 7/8/4

					№	№ Tricoat
silver				200	**34902**	**372401**
			- 1 mm gasket-compression	200	**34969**	**372399**
		angled screw-fixing		200	**34522**	

356774 

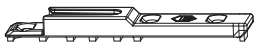
11.3.2 Sash lifters 12 mm air gap, hardware groove 7/8/4

					№	№ Tricoat
silver		angled screw-fixing	right	100	**356774**	**372480**
			left	100	**356775**	**372481**

96564  363486 

11.3.3 Striker plates i.S. 12 mm air gap, hardware groove 7/8/4

					№	№ Tricoat
silver		angled screw-fixing		100	**96564**	**372423**
			- 0.8 mm gasket-compression	100	**360564**	**372548**
			- 1 mm gasket-compression	100	**96264**	**372485**
	without reinforcement rings	angled screw-fixing		100	**363486**	

365426 

11.3.4 Tilt-first striker plates i.S. 12 mm air gap, hardware groove 7/8/4

				№	№ Tricoat
silver	MM	right	100	**365426**	
		left	100	**365427**	

23886  98110 

11.3.5 Shootbolt striker plates 12 mm air gap, hardware groove 7/8/4

				№	№ Tricoat
silver	2 slots		100	**23886**[1]	**372403**[1]
	1 fixed slot	+ 0.8 mm gasket-compression	100	**360561**[2]	
			100	**98110**[2]	**372553**[2]

[1] Not suitable for rebate depth 18 mm; gasket compression depends on installation position.
[2] For windows - Group C5 EN 12210.

33970 

11.3.6 Tilt striker plates 12 mm air gap, hardware groove 7/8/4

				№	№ Tricoat
silver	right	100	**33970**		
	left	100	**33971**		

56910 

11.3.7 Striker plate for espagnolette with mounted tilt scissor stay 12 mm air gap, hardware groove 7/8/4

silver		100	**56910**	

25838 

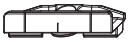
11.3.8 Night-vent striker plate 12 mm air gap, hardware groove 7/8/4

silver		100	**25838**	

55252 

11.3.9 Latch striker plate 12 mm air gap, hardware groove 7/8/4

silver	adjustable	50	**55252**	

34937 

11.3.10 Striker plate with positioning pins 12 x 3 mm 12 mm air gap, hardware groove 7/8/4

silver	angled screw-fixing	200	**34937**	

96691 

11.3.11 Striker plate i.S. with positioning pins 12 x 3 mm 12 mm air gap, hardware groove 7/8/4

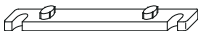
silver	angled screw-fixing	100	**96691**	

11.4 Striker plates 12 mm air gap, hardware groove 6/8/4 and 7/8/4

25924 

11.4.1 Sash lifter for half round and angled windows 12 mm air gap, hardware groove 6/8/4 and 7/8/4

silver	50	**25924**	

54697 
40349 

11.4.2 Striker plates for opening restrictor 12 mm air gap, hardware groove 6/8/4 and 7/8/4

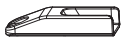
silver	frame component for opening restrictor Euro-rebate 18 mm	angled screw-fixing	50	**54697**	**236901**
	packer for striker plate for opening restrictor for timber		100	**40349**	

55066 

11.4.3 Stabilizing scissor stay casing 12 mm air gap, hardware groove 6/8/4 and 7/8/4

silver	100	**55066**	

11.5 Striker plates 12 mm air gap, Euro-rebate, 18 mm rebate depth

34943  34980 

11.5.1 Striker plates 12 mm air gap, Euro-rebate, 18 mm rebate depth

					№	№ Tricoat
silver		double screw fixing		200	**34943**	**372400**
		angled screw-fixing		200	**34980**	**372432**
			- 1 mm gasket-compression	200	**357844**	**372636**

356298 

11.5.2 Sash lifters 12 mm air gap, Euro-rebate, 18 mm rebate depth

					№	№ Tricoat
silver		angled screw-fixing	right	100	**356298**	**372366**
			left	100	**356299**	**372367**

96860 

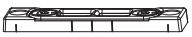
11.5.3 Striker plates i.S. 12 mm air gap, Euro-rebate, 18 mm rebate depth

					№	№ Tricoat
silver		angled screw-fixing		100	**96860**	**372397**
			+ 1 mm gasket-compression	100	**359770**	
			- 0.7 mm gasket-compression	100	**96660**	**372540**
	without reinforcement rings	angled screw-fixing		100	**355606**	**372488**

365400 

11.5.4 Tilt-first striker plates i.S. 12 mm air gap, Euro-rebate, 18 mm rebate depth

				№	№ Tricoat
silver	MM	right	100	**365400**	**372567**
		left	100	**365401**	**372568**

98021  23731  26308 

11.5.5 Shootbolt striker plates 12 mm air gap, Euro-rebate, 18 mm rebate depth

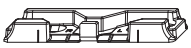
				№	№ Tricoat
silver	1 fixed slot		100	**98021**[1]	**372551**[1]
	2 slots		100	**23731**	**372402**
		+ 1 mm gasket-compression	100	**26745**	
	2 slots with angled screw-fixing		100	**26741**	
	3 slots		100	**26308**[1]	**372422**[1]

[1] For windows - Group C5 EN 12210.

33981 

11.5.6 Tilt striker plate 12 mm air gap, Euro-rebate, 18 mm rebate depth

		№	№ Tricoat
silver	100	**33981**	**372377**

25118 

11.5.7 Night-vent striker plate 12 mm air gap, Euro-rebate, 18 mm rebate depth

silver	100	**25118**[1]	

[1] Only possible in combination with corner element item no. 209034.

55277 

11.5.8 Striker plate for espagnolette with mounted tilt stay 12 mm air gap, Euro-rebate, 18 mm rebate depth

silver	100	**55277**	**236513**

52794 

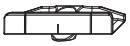
11.5.9 Stabilizing scissor stay casing 12 mm air gap, Euro-rebate, 18 mm rebate depth

silver	100	**52794**	**236517**

38924 

11.5.10 Latch striker plate 12 mm air gap, Euro-rebate, 18 mm rebate depth

silver	adjustable	50	**38924**	**235421**

34963 

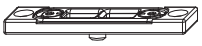
11.5.11 Striker plates with positioning pins 12 x 3 mm 12 mm air gap, Euro-rebate, 18 mm rebate depth

silver	angled screw-fixing		200	**34963**	**372489**
		- 1 mm gasket-compression	200	**370110**	**372635**

96690 

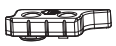
11.5.12 Striker plates i.S. with positioning pins 12 x 3 mm 12 mm air gap, Euro-rebate, 18 mm rebate depth

silver	angled screw-fixing		100	**96690**	**372490**
		- 0.7 mm gasket-compression	100	**96890**	**372637**

26621 

11.5.13 Shootbolt striker plate with positioning pins 12 x 3 mm 12 mm air gap, Euro-rebate, 18 mm rebate depth

silver	2 slots		100	**26621**	**372419**

364286 

11.5.14 Sash lifters with positioning pins 12 x 3 mm 12 mm air gap, Euro-rebate, 18 mm rebate depth

silver	angled screw-fixing	right	100	**364286**	**372609**
		left	100	**364287**	**372601**

11.6 Striker plates 12 mm air gap, Euro-rebate, 20 mm rebate depth

34981 

11.6.1 Striker plates 12 mm air gap, Euro-rebate, 20 mm rebate depth

silver		angled screw-fixing			200	**34981**	**372434**
			- 1 mm gasket-compression		200	**355396**	**372566**
	without reinforcement rings	angled screw-fixing			200	**34986**	

361960 

11.6.2 Striker plate rear-engaging 12 mm air gap, Euro-rebate, 20 mm rebate depth

silver	angled screw-fixing	200	**361960**[1]	

[1] Only for i.S. cam!

356326 

11.6.3 Sash lifters 12 mm air gap, Euro-rebate, 20 mm rebate depth

silver	angled screw-fixing	right	100	**356326**	**372368**
		left	100	**356327**	**372369**

96561 

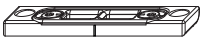
11.6.4 Striker plates i.S. 12 mm air gap, Euro-rebate, 20 mm rebate depth

silver		angled screw-fixing		100	**96561**	**372437**
			- 0.7 mm gasket-compression	100	**96861**	**372510**
	without reinforcement rings	angled screw-fixing		100	**96779**	**372498**
			- 0.7 mm gasket-compression	100	**96641**	

363797 

11.6.5 Tilt-first striker plate i.S. 12 mm air gap, Euro-rebate, 20 mm rebate depth

silver	MM	right and left	100	**363797**	**372624**

26241 

11.6.6 Shootbolt striker plates 12 mm air gap, Euro-rebate, 20 mm rebate depth

silver	2 slots		100	**26241**	**372414**
		+ 1 mm gasket-compression	100	**208439**	

363300 

11.6.7 Tilt striker plate 12 mm air gap, Euro-rebate, 20 mm rebate depth

silver	right and left	100	**363300**	**372384**

34985 

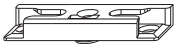
T 11.6.8 Striker plate with positioning pins 12 x 3 mm 12 mm air gap, Euro-rebate, 20 mm rebate depth

				№	№ Tricoat
silver	angled screw-fixing		200	**34985**	**372610**

356959 

T 11.6.9 Sash lifters with positioning pins 12 x 3 mm 12 mm air gap, Euro-rebate, 20 mm rebate depth

				№	№ Tricoat
silver	angled screw-fixing	right	100	**356959**	**372538**
		left	100	**356960**	**372537**

96692 

T 11.6.10 Striker plate i.S. with positioning pins 12 x 3 mm 12 mm air gap, Euro-rebate, 20 mm rebate depth

			№	№ Tricoat
silver	angled screw-fixing	100	**96692**	**372580**

206977 

T 11.6.11 Shootbolt striker plate with positioning pins 12 x 3 mm 12 mm air gap, Euro-rebate, 20 mm rebate depth

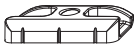
			№	№ Tricoat
silver	2 slots	100	**206977**	

11.7 Striker plates 12 mm air gap, Euro-rebate, 24 mm rebate depth

34934 

11.7.1 Striker plates 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

silver		angled screw-fixing			200	**34934**	**372501**
			- 1 mm gasket-compression		200	**359297**	**372525**
	without reinforcement rings	angled screw-fixing			100	**362812**	**372619**

360849 

11.7.2 Striker plate rear-engaging 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

silver	angled screw-fixing	200	**360849**[1]	**372620**[1]

[1] Only for i.S. cam!

356333 

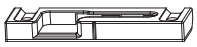
11.7.3 Sash lifters 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

silver	angled screw-fixing	right	100	**356333**	**372370**
		left	100	**356334**	**372371**

364952  363027 

11.7.4 Striker plates i.S. 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

silver	without reinforcement rings	angled screw-fixing		100	**364952**	**372572**
			- 1 mm gasket-compression	100	**364953**	**372573**
	design without reinforcement rings	angled screw-fixing		100	**363027**	

369757 

11.7.5 Tilt-first striker plates i.S. 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

silver	right	100	**369757**	
	left	100	**369758**	

360624  203329 

11.7.6 Shootbolt striker plates 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

silver	24 mm rebate depth, 13 mm offset	1 fixed slot		100	**360624**[1]	
		2 slots		100	**203329**	**372415**
		2 slots with angled screw-fixing	+ 1 mm	100	**212474**[2]	
			+ 1 mm gasket-compression	100	**211369**	
	24 mm rebate depth, 13 mm offset without reinforcement rings	2 slots with angled screw-fixing	+ 1 mm gasket-compression	100	**212343**	

[1] For windows - Group C5 EN 12210.
[2] Height + 1 mm.

359003 

11.7.7 Tilt striker plates 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

silver		right	100	**359003**	**372387**
		left	100	**359004**	**372388**

370925 

11.7.8 Night-vent striker plate 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

silver		100	**370925**[1]	

[1] Only possible in combination with an i.S. cam.

206200 

11.7.9 Sash lifter for half round and angled windows, 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

silver		50	**206200**	**372420**

209347 

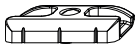
11.7.10 Latch striker plate 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

silver	adjustable	50	**209347**	**235422**

356961 

11.7.11 Striker plates with positioning pins 12 x 3 mm 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

silver	angled screw-fixing		200	**356961**	**372486**
		+ 1.2 mm gasket compression	200	**357213**	

360154 

11.7.12 Striker plate rear-engaging with positioning pins 12 x 3 mm 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

silver		200	**360154**[1]	**372578**[1]

[1] Only for i.S. cam!

363992 

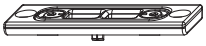
11.7.13 Sash lifters with positioning pins 12 x 3 mm 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

silver	angled screw-fixing	right	200	**363992**	**372557**
		left	200	**363993**	**372558**

364954  363487 

11.7.14 Striker plates i.S. with positioning pins 12 x 3 mm 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

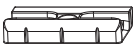
					№	№ Tricoat
silver	with positioning pins 12x3 mm	angled screw-fixing		100	**364954**	**372574**
			- 1 mm gasket-compression	100	**370557**	**372644**
	design with positioning pins 12x3 mm	angled screw-fixing		100	**363487**	**372579**

207368 

11.7.15 Shootbolt striker plates with positioning pins 12 x 3 mm 12 mm air gap, Euro-rebate, 24 mm rebate depth, 13 mm offset

			№	№ Tricoat
silver	2 slots	100	**207368**	**372418**

11.8 Striker plates 12 mm air gap, Euro-rebate, 30 mm rebate depth

360443 

11.8.1 Striker plate 12 mm air gap, Euro-rebate, 30 mm rebate depth, 13 mm offset

silver	angled screw-fixing	200	**360443**	**372531**

361100  368482 

11.8.2 Striker plates rear-engaging 12 mm air gap, Euro-rebate, 30 mm rebate depth, 13 mm offset

silver	angled screw-fixing	200	**361100**	
	+ 0.8 mm gasket-compression	100	**368482**	

360445 

11.8.3 Sash lifters 12 mm air gap, Euro-rebate, 30 mm rebate depth, 13 mm offset

silver	angled screw-fixing	right	100	**360445**	**372590**
		left	100	**360446**	**372591**

360444  368481 

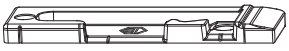
11.8.4 Striker plates i.S. 12 mm air gap, Euro-rebate, 30 mm rebate depth, 13 mm offset

silver	angled screw-fixing	100	**360444**	**372532**
	+ 0.7 mm gasket compression	100	**368481**	

225431 

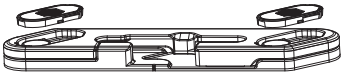
11.8.5 Shootbolt striker plate 12 mm air gap, Euro-rebate, 30 mm rebate depth, 13 mm offset

silver	2 slots	100	**225431**	

368345 

11.8.6 Tilt striker plates 12 mm air gap, Euro-rebate, 30 mm rebate depth, 13 mm offset

silver	right	200	**368345**	
	left	200	**368346**	

105446 

11.8.7 SV striker plates i.S. 12 mm air gap, Euro-rebate, 30 mm rebate depth, 13 mm offset

silver	secured ventilation position	right	20	**105446**[1]	**106187**[1]
		left	20	**105447**[1]	**106188**[1]

[1] Refer to profile data sheets for PVC profiles.

357964  356425 

	11.8.8 Striker plates for multi-stepped ventilation 12 mm air gap, Euro-rebate, 30 mm rebate depth, 13 mm offset		№	№ Tricoat
silver	with 4 stop positions	100	**357964**[1]	
	with 5 stop positions	100	**356425**[1]	

[1] A minimum rebate depth of 24 mm is required for 9 mm offset.

11.9 Striker plates 12 mm air gap, Euro-rebate, 18 - 30 mm rebate depth

206200 

11.9.1 Sash lifter for half round and angled windows 12 mm air gap, Euro-rebate, 18 - 30 mm rebate depth

silver		50	**206200**	**372420**

55277 

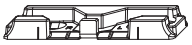
11.9.2 Striker plate for espagnolette with mounted tilt stay 12 mm air gap, Euro-rebate, 18 - 30 mm rebate depth

silver		100	**55277**	**236513**

34958 

11.9.3 Striker plate for 3-sashed windows 12 mm air gap, Euro-rebate, 18 - 30 mm rebate depth

silver		200	**34958**	

25118 

11.9.4 Night-vent striker plate 12 mm air gap, Euro-rebate, 18 - 30 mm rebate depth

silver		100	**25118**[1]	

[1] Only possible in combination with corner element item no. 209034.

52794 

11.9.5 Stabilizing scissor stay casing 12 mm air gap, Euro-rebate, 18 - 30 mm rebate depth

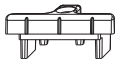
silver		100	**52794**	**236517**

207432 

11.9.6 Striker plate for opening restrictor 12 mm air gap, Euro-rebate, 20 - 30 mm rebate depth

silver	angled screw-fixing	50	**207432**	**236907**

11.10 Striker plates for opposite Eurogroove

34610 

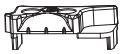
11.10.1 Striker plates for opposite Eurogroove

silver			200	**34610**	**372424**
	- 1 mm gasket-compression		200	**34606**	**372503**

34618 

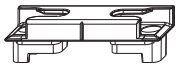
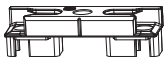
11.10.2 Striker plate for 3-sashed windows for opposite Eurogroove

silver	200	**34618**	**372569**

355923 

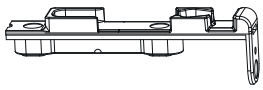
11.10.3 Sash lifters for opposite Eurogroove

silver	right	100	**355923**	**372478**
	left	100	**355924**	**372479**

355221  96558 

11.10.4 Striker plates i.S. for opposite Eurogroove

silver		100	**355221**	
	- 0.8 mm gasket-compression	100	**96558**	**372487**

26071 

11.10.5 Tilt striker plate for opposite Eurogroove for PVC

silver	right and left	100	**26071**	

228711 

11.11 Hook striker plates

		L	W			
silver	FT22 (GKG Combi Plan 0.0, Inoutic Easystep, Profine Premiplan + Premiplan+, Rehau Synego + Geneo)	140	22	10	**228711**	
	FT24 (Aluplast)	140	24	20	**229946**	
	Schüco Schwelle	140	27,5	20	**250210**	
	FT30 (GS-Stemeseder)	140	30	10	**229945**	

11.12 Accessories for striker plates

365791 

11.12.1 Striker plates for French casement drive gears

			№	№ Tricoat
silver	striker plate i.S. for French casement drive gear MMKS	100	**365791**[1]	**372575**[1]

[1] Compatible for shootbolt item no. 215240 and MT.

355615  43922 

11.12.2 Sash run-up block 2-sashed

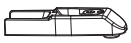
			№	№ Tricoat
silver	for i.S striker plate MM	100	**355615**	
pearl light grey RAL 9022	for shootbolt striker plate	1.000	**43922**	

365561 

11.12.3 Adapter

		№	№ Tricoat
adapter MM for i.S. striker plate	50	**365561**[1]	

[1] Only for i.S. striker plates with 50 mm length.

355920  205563  94037 

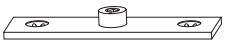
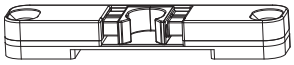
11.12.4 Accessories for 3-sashed windows

			№	№ Tricoat
silver	clip-on bush for i.S. cam	100	**355920**	
	clip-on bush for locking cam	100	**94031**	
	clip-on striker plate for locking cam	100	**55039**	
	clip-on striker plate for i.S. cams	100	**205563**	**372413**
	locking cam hardware groove	100	**94037**	
	locking cam opposite Eurogroove	100	**94038**	

12 Accessories Multi-Matic

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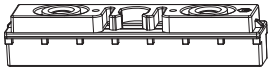
12 Accessories Multi-Matic

213462  215374  214964   362060 

12.1 Door catches and bullet catches for 2-sashed windows

				№	№ Tricoat
silver	bullet catch timber 18 mm rebate depth 9 mm offset and 22 mm rebate depth 13 mm offset		50	**213461**	
	bullet catch timber 20 mm rebate depth 9 mm offset and 24 mm rebate depth 13 mm offset		50	**213462**	**236908**
	bullet catch hardware groove		50	**214804**	
	bullet-catch roll for timber 9 mm offset	with plate	50	**215372**	
	bullet-catch roll for timber 13 mm offset	with plate	50	**215374**	
	bullet-catch roll Eurogroove	with plate	50	**215373**	
	bullet-catch roll steel		100	**362446**[1]	
	bullet catch French casement drive gear		50	**213460**	
	bullet catch opposite Eurogroove		50	**214964**	
	packer for bullet catch for Eurogroove		100	**362059**[2]	
pearl light grey RAL 9022	bullet-catch roll PVC		100	**362060**	

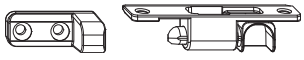
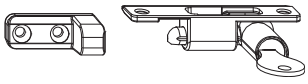
[1] The contact points to the bullet catch have to be lubricated - when using the bullet catch roll made of steel.
[2] Use for installation into Eurogroove!

220080  55189  44174 

12.2 PVC bullet catches for 2-sashed windows

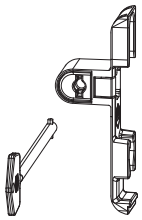
			№	№ Tricoat
silver	2-sashed bullet catch 4 mm air gap 9 mm offset mill-in	50	**220080**[1]	
	2-sashed bullet catch without Eurogroove	50	**57891**	
	2-sashed bullet catch for Eurogroove	50	**55189**	
	bullet-catch roll Euro-rebate 10x7 mm	100	**44174**	
	bullet-catch roll hardware groove 10x7 mm with lip	100	**44175**	
	bullet-catch roll Euro-rebate 10x9 mm	100	**94111**	

[1] Routing length 120 mm.

10534  10535 

12.3 Self-catching turn locks

			№	№ Tricoat
silver	turn lock self-catching	20	**10534**	**106033**
	turn lock self-catching lockable	20	**10535**	**106034**
	packer for frame component turn lock self-catching 2 mm	20	**366651**	
	key for turn lock self-catching lockable 2D057	100	**40401**	
traffic white RAL 9016	turn lock self-catching	20	**12067**	
	turn lock self-catching lockable	20	**12069**	
grey brown RAL 8019	turn lock self-catching	20	**12068**	
	turn lock self-catching lockable	20	**12070**	


10759


44222

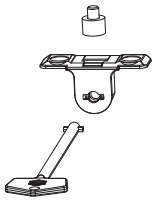

43747


366263

12.4 Concealed turn locks 4 mm air gap

				№	№ Tricoat
silver		concealed turn lock for 4 mm air gap, 9 mm offset	20	**10759**[1,2,3,4]	**106032**[1,2,3,4]
	right	concealed turn lock 4 mm air gap 13 mm offset	20	**103874**[2,3,5,6]	
	left	concealed turn lock 4 mm air gap 13 mm offset	20	**103875**[2,3,5,6]	
		tilt-stay key	50	**94079**	
pearl light grey RAL 9022	right	adapter spacer for turn lock cases Hardware groove 6/8/4	100	**44222**	
	left	adapter spacer for turn lock cases Hardware groove 6/8/4	100	**44223**	
		adapter spacer for turn lock cases Euro-rebate	100	**43747**	
		adapter spacer for turn lock cases 12 air gap	20	**366263**	

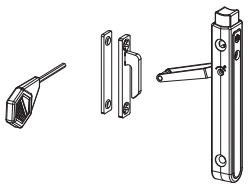
[1] 9 mm offset: 18 mm milling depth.
[2] For 4 mm air gap 90 mm milling length.
[3] Box contents: Turn lock and tilt-stay key.
[4] For timber 18 mm rebate depth 9 mm offset use end cap item no. 43747 and for hardware groove 6/8/4 end cap item no. 44222 on the right and/or item no. 44223 on the left.
[5] Use end cap item no. 366263 for 12 mm air gap.
[6] 11 + 13 mm offset: 22 mm milling depth.


101563

12.5 Concealed turn locks 12 mm air gap

				№	№ Tricoat
silver	lockable 9 mm offset		20	**101563**[1]	**106036**[1]
	lockable 13 mm offset		20	**101562**[1]	**106035**[1]
	tilt-stay key		50	**94079**	

[1] Box contents: Turn lock, bolt for turn lock, Sped-Form screw, tilt-stay key.


12360

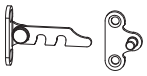
12.6 MULTI VENT vent adjusters

			№	№ Tricoat
traffic white RAL 9016		20	**12360**	
cream white RAL 9001		20	**101524**	
grey brown RAL 8019		20	**12361**	
white	packer for Multi-Vent cases 5°	100	**42509**	
	packer for Multi-Vent cases 15°	100	**42514**	


101671

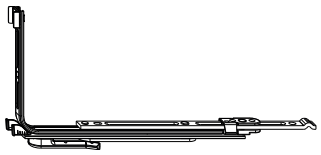
12.7 Vent adjusters

				№	№ Tricoat
silver	right		50	**10890**	
	left		50	**10891**	
traffic white RAL 9016	right		50	**10137**	
	left		50	**10138**	
	left/right	to be attached on HARMONY handle	50	**101671**	
		to be attached on RHAPSODY handle	50	**101672**	
pearl light grey RAL 9022	left/right	to be attached on HARMONY handle	50	**101673**	
		to be attached on RHAPSODY handle	50	**101674**	
jet black RAL 9005	right		50	**12460**	
	left		50	**12461**	


10892

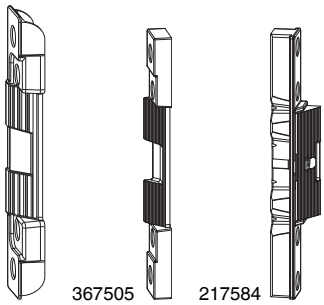
12.8 Vent adjusters for 2-sashed windows

			№	№ Tricoat
silver	right	50	**10892**	
	left	50	**10893**	


209303

12.9 Vent adjuster for turn-only windows

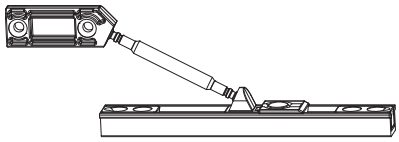
			№	№ Tricoat
silver	9 mm offset/13 mm offset	20	**209303**	**236897**


367738 367505 217584

12.10 Turn-only hinge safety devices

			№	№ Tricoat
silver	turn-only hinge safety device - frame component for 4 mm air gap 9 mm offset	20	**368014**[1,2]	
	turn-only hinge safety device - frame component 4 mm air gap 13 mm offset	20	**367738**[2,3]	
	turn-only hinge safety device - frame component timber 18 mm rebate depth 9 mm offset and 22 mm rebate depth 13 mm offset	20	**367505**	**372584**
	turn-only hinge safety device - frame component hardware groove	20	**367722**	**372585**
	turn-only hinge safety device - sash component	20	**217584**[4,5,6]	**250195**[4,5,6]

[1] 18 mm milling depth.
[2] Routing length 120 mm.
[3] 22 mm milling depth.
[4] For PVC and timber/alu profiles — see profile data sheets.
[5] Sash must have a Eurogroove in the sash component area.
[6] Must be used for MACO basic security B and D.



214718

12.11 Turn retarders

			№	№ Tricoat
silver	concealed rotation inhibition timber	20	**214718**	
	concealed rotation inhibition PVC	20	**214716**	



101517



101519



with end cap - type 1



101520

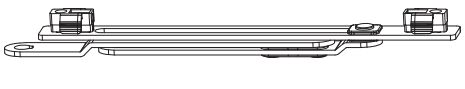


with end cap - type 2

12.12 Turn restrictions

			kg		№	№ Tricoat
silver	turn restriction timber Euro-rebate	260 - 1.300	80	20	**101517**[1,2]	**106012**[1,2]
	turn restriction timber hardware groove	260 - 1.300	80	20	**101518**[1,2]	
	turn restriction PVC / TV PVC end cap - type 1	260 - 1.300	80	20	**101519**[1,2]	
	turn restriction PVC / TV PVC end cap - type 2	260 - 1.300	80	20	**101520**[1,2]	
	turn restriction MM for half round windows	505 - 1.300	80	20	**103080**	
	packer for turn restriction sash component for Eurogroove			100	**40456**	
	screw for turn restriction for half round window			100	**101655**	

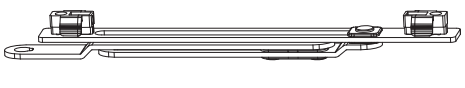
[1] In combination with horizontal corner support, the application area increases by 250 mm.
[2] Not for use in combination with rebated corner support without rebate-leg screw fixing.



103625



with end cap - type 1



103626



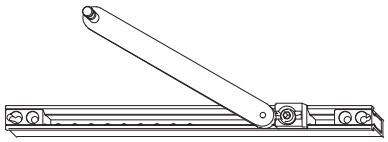
with end cap - type 2

12.13 Turn restrictions MULTI POWER

			kg		№	№ Tricoat
silver	timber Euro-rebate	330 - 1.400	150	20	**103623**[1]	**106013**[1]
	timber hardware groove	330 - 1.400	150	20	**103624**[1]	
	PVC with end cap - type 1	330 - 1.400	150	20	**103625**[1]	**106014**[1]
	PVC with end cap - type 2	330 - 1.400	150	20	**103626**[1]	

[1] With horizontal corner element, application range from 560 mm.

12.14 Opening restrictors

52976 

52977 

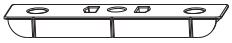
12.14.1 Opening restrictors		L			№	№ Tricoat
silver	opening restrictor with brake arm length 145 mm	244	280 - 380	20	**52976**[1,2]	**236894**[1,2]
	opening restrictor with brake arm length 210 mm	244	360 - 449	20	**216367**[1,2]	
	opening restrictor with brake arm length 250 mm	244	381 - 470	20	**52978**[2]	**236895**[2]
		333	471 - 1.650	20	**52977**[2,3]	**236893**[2,3]
	opening restrictor with brake arm length 274 mm	333	480 - 1.800	20	**214328**[2,4]	**236896**[2,4]

[1] Crop the corner support at the notch.
[2] In combination with horizontal corner support, the application area increases by 250 mm.
[3] In connection with MULTI POWER application range 470 - 1400 mm.
[4] In connection with MULTI MAMMUT application range from 695 mm.

54697 

207432 

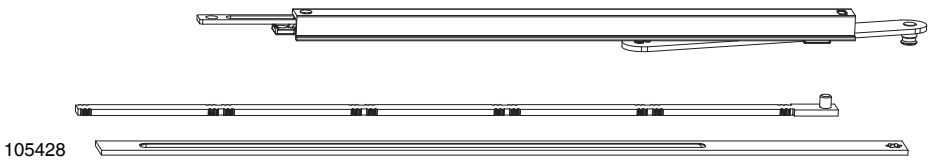
55988 

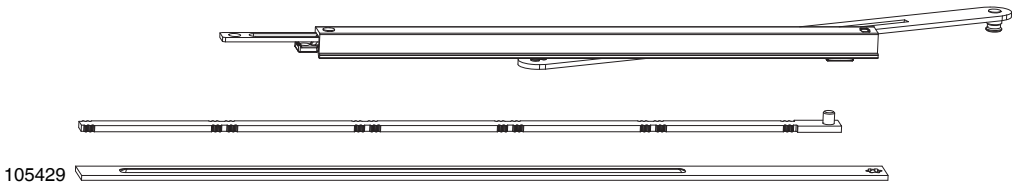
209365 

12.14.2 Frame components for opening restrictors		L		№	№ Tricoat
silver	frame component for opening restrictor for PVC	78	20	**10757**	**106016**
	frame component for opening restrictor Euro-rebate 18 mm angled screw-fixing	80	50	**54697**	**236901**
	frame component for opening restrictor Euro-rebate 20 mm angled screw-fixing	80	50	**207432**	**236907**
	frame component for opening restrictor for 4 mm air gap 9 mm offset angled screw-fixing	90	50	**55988**[1,2]	**236904**[1,2]
	frame component for opening restrictor for 4 mm air gap 13 mm offset	90	100	**209365**[2,3]	

[1] 18 mm milling depth.
[2] Routing length 90 mm.
[3] 22 mm milling depth.

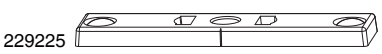
12.15 Comfort adjusters

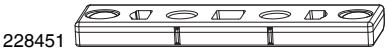

105428


105429

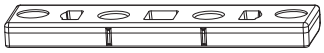
12.15.1 Comfort adjusters		L			№	№ Tricoat
silver	parking brake arm length 145 mm size 1	250	566 - 800	20	**105428**[1,2]	
	parking brake arm length 250 mm size 2	250	660 - 1.800	20	**105429**[1,3]	

[1] Use sash lifter and mishandling device retrofittable for comfort adjuster item no. 370922!
[2] Sash rebate width only for corner support, not for rebated corner support!
[3] Sash rebate width for rebated corner support; 670 mm for MULTI POWER.


229225

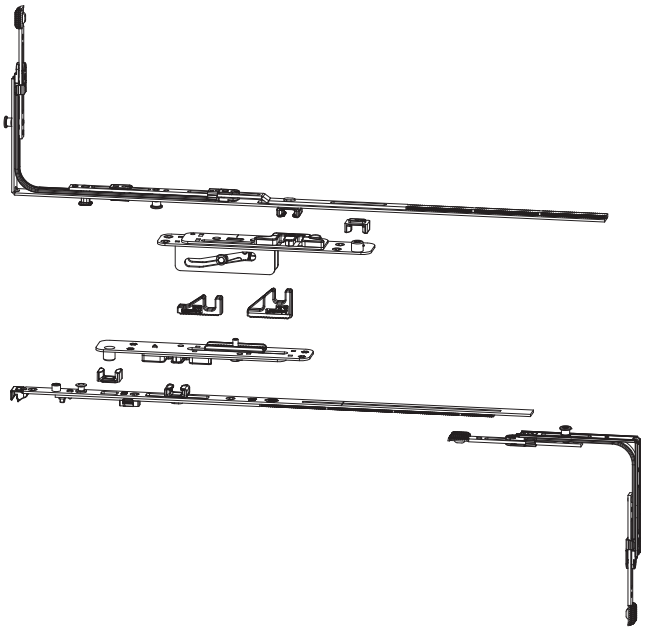

228451




228785


10757

12.15.2 Frame components for comfort adjusters					№	№ Tricoat
silver	frame component for comfort adjuster for timber 12 mm air gap	angled screw-fixing	18 mm rebate depth	50	**229225**	
	frame component for opening restrictor for timber 12 mm air gap	angled screw-fixing	20 mm rebate depth and 24 mm rebate depth	50	**228451**	
	frame component for comfort adjuster for PVC	MULTI POWER		50	**228785**	
	frame component for opening restrictor for PVC			20	**10757**	**106016**



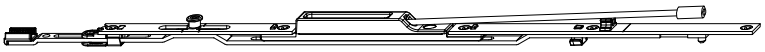
105359

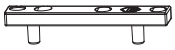
12.16 MULTI SKY skylight fitting

							№	№ Tricoat
silver	right	13 mm offset	600 - 1.300	500 - 800	30	1	**105359**[1,2]	
	left	13 mm offset	600 - 1.300	500 - 800	30	1	**105360**[1,3]	

[1] **IMPORTANT:** For a right-hand side central sash, a left version of Multi Sky must be ordered and vice versa!
[2] Consisting of: transom kinematics top right, transom kinematics bottom right, turn-only hinge - sash part, croppable MM 600 SRW 430 - 600, corner element bottom horizontal, corner element MM with 1 i.S. SRW 320 - 1650, 2 piece location screw, connector plate distance 43 - 48 mm (for transom 51 - 56 mm).
[3] Consisting of: transom kinematics top left, transom kinematics bottom left, turn-only hinge - sash part, croppable MM 600 SRW 430 - 600, corner element bottom horizontal, corner element MM with 1 i.S. SRW 320 - 1650, 2 piece location screw, connector plate distance 43 - 48 mm (for transom 51 - 56 mm).

209774 

215159 

102301 

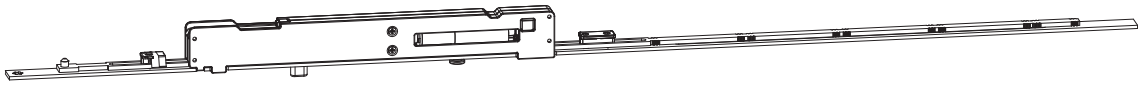
363605

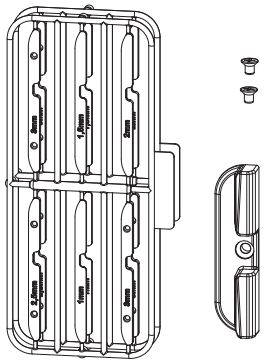
12.17 SAFETY PIN fall protection

					№	№ Tricoat
silver		centre lock cable junction TR to MM	280 - 2.800	20	**206538**	
		bottom anti-unhinge safety device for PVC and timber		20	**209774**[1]	**236914**[1]
		top anti-unhinge device for PVC and timber, extendable, 1 i.S.		20	**215159**	**236915**
yellow n.11	right	base plate for anti-unhinge device angled screw-fixing with positioning pins for timber and PVC		20	**102301**	**106017**
	left	base plate for anti-unhinge device angled screw-fixing with positioning pins for timber and PVC		20	**102302**	**106067**
green brown RAL 8000		packer for PVC hinged plate 2 mm		50	**363605**	
		packer for PVC hinged plate 3 mm		50	**363606**	

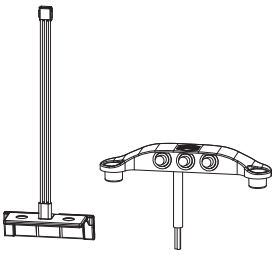
[1] Must be used from SRH 1850 mm!

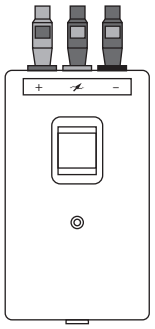
467155

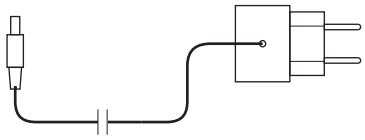




467151







467150



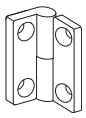
467153

12.18 Components for E-hardware

		№	№ Tricoat
E-hardware silver	1	**467155**[1,2]	
current transmitter for E-hardware	1	**467151**[1]	
power supply for E-hardware	1	**467150**	
activating device for E-hardware	1	**467153**	

[1] Use only for 13 mm offset!
[2] For not circumferential central locking system maximum 60 kg sash weight, for circumferential central locking system maximum 80 kg!

11154



T 12.19 Glazing-bar hinges for glazing-bar frame

			№	№ Tricoat
white	right	50	**11472**	
	left	50	**11473**	
brown	right	50	**11154**	
	left	50	**11155**	

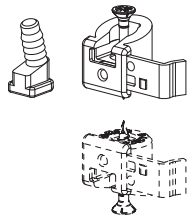
10992



T 12.20 Glazing-bar catches for glazing-bar cross and glazing-bar frame

			№	№ Tricoat
white	for 26 mm glazing-bar cross/glazing-bar frame	50	**11470**[1]	
	for 33 mm glazing-bar cross	50	**11471**	
brown	for 22 mm glazing-bar cross/glazing-bar frame	50	**13130**[1]	
	for 26 mm glazing-bar cross/glazing-bar frame	50	**11153**[1]	
	for 33 mm glazing-bar cross	50	**10992**	

[1] Compatible with glazing-bar hinges.

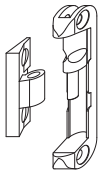


12387

12.21 Drill-in glazing-bar catches

			Nº	Nº Tricoat
white		50	**12388**[1]	
brown		50	**12387**[1]	

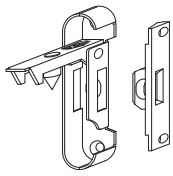
[1] 25 each left and right.



101251

12.22 Universal coupling hinges

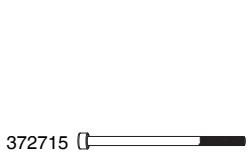
		kg		Nº	Nº Tricoat
silver	with 2 mm air gap	40	50	**101248**	
	without air gap	40	50	**101251**	**106037**



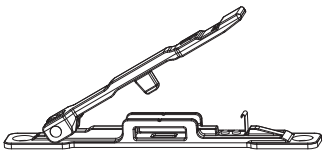
101252

12.23 Universal coupling catches

			Nº	Nº Tricoat
silver	with 2 mm air gap	50	**101250**	**106039**
	without air gap	50	**101252**	**106038**



372715



236911



385096



385092

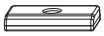


385094

12.24 Coupling hardware for aluminium coupling sash

			Nº	Nº Tricoat
stainless steel	shaft pin for coupling hinge	20	**372715**[1]	
Tricoat-Evo	locking unit for alu coupling sash	20		**236911**
	frame component for lock for alu coupling sash	20		**385096**
	packer for frame component for alu coupling sash	20		**385089**
	coupling hinge for alu coupling sash	20		**385092**[1]
	coupling hinge roll for alu coupling sash 15 mm high	20		**385093**
	coupling hinge roll for alu coupling sash 16 mm high	20		**385094**

[1] Please order screw for pin safety device item no. 104302 separately.

94022  44351  44350 

T 12.25 Run-up blocks

					№	№ Tricoat
silver	run-up block	4 mm air gap		500	**94022**[1]	
			sash component	50	**44351**[1]	
			frame component	50	**44350**[1]	

[1] Only for Euro-rebate 20 mm rebate depth.

370252  369791 

12.26 Run-up blocks for thresholds

			T	W	L		№	№ Tricoat
silver	frame component		8	21,8	50	100	**370252**[1]	
				23,5	50	100	**371009**[2]	
				27,3	50	100	**371712**[3]	
				28	50	100	**370390**[4]	
				30	50	100	**372822**[5]	
				33,9	50	100	**369788**[6]	
grey F1	sash component	4 mm air gap			20	100	**369791**	
		6 mm air gap			20	100	**369790**	
		10 mm air gap			20	100	**369789**	

[1] GKG
[2] MACO TRANSIT
[3] Schüco Living
[4] Eifel TB
[5] Gutmann Weser
[6] VEKA

362918  106022  106028 

12.27 Screws

		Ø	L		№	№ Tricoat
silver	special drill screw Multi Power for timber and PVC Phillips 7.2 mm head	4,5	38	100	**362918**	**106029**
	special drill screw Multi Power for timber and PVC TX20 7.2 mm head	4,5	38	500	**367828**	**106027**
Tricoat-Evo	hardware bolt for PVC Phillips with drill bit 7 mm head	3,9	25	500		**106023**
			32	500		**106022**
			38	500		**106021**
	hardware bolt for timber and PVC Phillips 7 mm head	4,2	22	500		**106018**
			25	500		**106028**
			30	500		**106019**
			40	400		**106020**
			55	500		**106025**

41823 

12.28 E-style retaining ring for shaft 5 mm

		№	№ Tricoat
blank	1.000	**41823**	

206692 

12.29 Serrated carrier connector MM

		№	№ Tricoat
silver	50	**206692**[1]	

[1] Can also be supplied in quantities less than one packaging unit.

355920 

12.30 Clip-on bush for i.S. cam 3-sashed

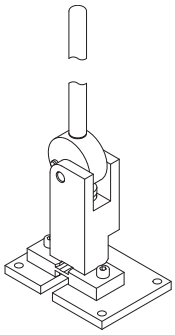
		№	№ Tricoat
silver	100	**355920**	

364686

12.31 Faceplate strip cover

	L		№	№ Tricoat
silver	1.400	10	**364686**	**385091**
	2.200	10	**364687**	

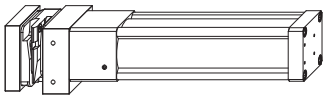
12.32 Hardware croppers

462516 

463153 

12.32.1 Hand cropper/cropping aid for offset cut

		№	№ Tricoat
set of cutting blade and punching tool for hand cropper MM 462516	1	**478324**	
manual fitting cutter MM Reiplinger	1	**462516**	
cropping aid for offset punch MULTI MATIC	1	**463153**	

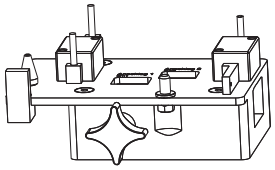
455011 

12.32.2 SOMATEC hardware croppers

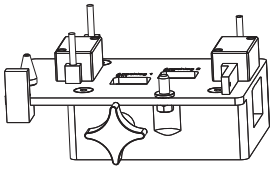
		№	№ Tricoat
SOMATEC hardware cropper with straight cut with accessories left	1	**465205**[1]	
SOMATEC hardware cropper with straight cut with accessories right	1	**465206**[1]	
SOMATEC hardware cropper MM with accessories left	1	**455008**[1]	
SOMATEC hardware cropper MM with accessories right	1	**455009**[1]	
SOMATEC hardware cropper MM without accessories left	1	**455011**	
SOMATEC hardware cropper MM without accessories right	1	**455012**	
SOMATEC hardware angle cropper MM without accessories left	1	**455457**	
SOMATEC hardware angle cropper MM without accessories right	1	**455458**	

[1] Accessories: filter and regulation unit, pedal, air-tube.

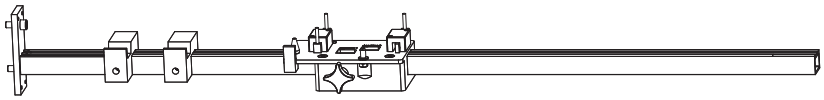
12.32.3 Accessories for SOMATEC hardware croppers



467001



467000



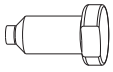
455010

12.32.3.1 Fences		№	№ Tricoat
stop for SOMATEC ruler left MM	1	**467001**	
stop for SOMATEC ruler right MM	1	**467000**	
fence for SOMATEC hardware cropper left MM 2.500	1	**455010**	
fence for SOMATEC hardware cropper right MM 2.500	1	**455122**	
support for fence MM	1	**466850**	



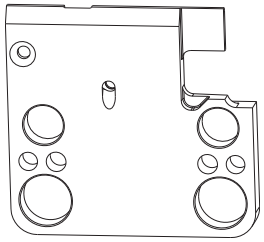
455048

12.32.3.2 Cutting punches		№	№ Tricoat
punch for SOMATEC hardware cropper 0006 right MM	1	**455049**	
punch for SOMATEC hardware cropper 0007 MM	1	**455048**	
punch for SOMATEC hardware cropper 0106 left MM	1	**455050**	



455051

12.32.3.3 Hole-punch		№	№ Tricoat
punching die for SOMATEC hardware cropper MM	10	**455051**	

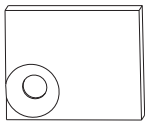


455052

12.32.3.4 Female dies		№	№ Tricoat
female die for SOMATEC hardware cropper 0001 left MM	1	**455052**	
female die for SOMATEC hardware cropper 0101 right MM	1	**455053**	

455054 

12.32.3.5 Fibro springs		№	№ Tricoat
Fibro spring for SOMATEC hardware cropper D=12x4x12, 90mm long, Shore MM	1	**455054**	
Fibro spring for SOMATEC hardware cropper D=32.5x13.5x23, 80mm long, Shore MM	1	**455055**	
Fibro spring for SOMATEC hardware cropper with straight cut MM	1	**467066**	

455056 

12.32.3.6 Fibro insertions		№	№ Tricoat
Fibro insertion for SOMATEC hardware cropper left MM	1	**455056**	
Fibro insertion for SOMATEC hardware cropper right MM	1	**455057**	

455059 

466859 

455058 

12.32.3.7 Controls		№	№ Tricoat
pressure regulating valve for SOMATEC hardware cropper MM	1	**455059**	
corner kit for pressure control MM	1	**466859**	
foot control for SOMATEC hardware cropper MM	1	**455058**	

13 Stackable pallets

13.1 T&T drive gears **310**
13.1.1 T&T drive gears BS 15 FHH i.S. 310
13.1.2 T&T drive gear BS 15 VHH i.S. 310
13.1.3 T&T drive gears EH BS 15 FHH i.S. 310
13.1.4 T&T drive gears EH BS 6.5 FHH i.S. 310

13.2 Corner elements **311**
13.2.1 Corner elements 311

13.3 Centre locks and faceplate extensions **311**
13.3.1 Centre locks 311
13.3.2 Faceplate extension 311

13.4 Scissor stays **312**
13.4.1 Rebated scissor stays VZ and i.S. 312
13.4.2 Rebated scissor stays VZ with night-vent 312
13.4.3 Scissor stay faceplates i.S. with night-vent 312

13.5 French casement locks **312**
13.5.1 French casement drive gear for Eurogroove FHH 312

13 Stackable pallets

13.1 T&T drive gears

208442 

13.1.1 T&T drive gears BS 15 FHH i.S.

silver	430	15	0	125	360 - 430	0	560	**210896**	
	660	15	0	190	431 - 660	0	560	**210897**	
	840	15	1	300	661 - 840	1	320	**208442**	
	1090	15	1	400	841 - 1.090	1	320	**204423**	
	1340	15	1	500	1.091 - 1.340	1	320	**204424**	

208443 

13.1.2 T&T drive gear BS 15 VHH i.S.

silver	15	1	801 - 1.250	320	**208443**	

208444 

13.1.3 T&T drive gears EH BS 15 FHH i.S.

silver	15	2	300	661 - 840	320	**208444**	
			400	841 - 1.090	320	**210900**	
			500	1.091 - 1.340	320	**210901**	

211435 

13.1.4 T&T drive gears EH BS 6.5 FHH i.S.

silver	6,5	2	400	841 - 1.090	320	**211435**	
			500	1.091 - 1.340	320	**211436**	

13.2 Corner elements



208440

13.2.1 Corner elements

					№	№ Tricoat
silver	vertically extendable with 1 i.S.		750 - 2.800	1.100	**204408**	**232869**
	vertically extendable without i.S. cams		750 - 2.800	1.100	**215247**	**232876**
	with 1 i.S.	320 - 1.800	360 - 2.800	1.100	**204407**	**232868**
	with 2 i.S.	320 - 1.800	360 - 2.800	1.000	**208440**	
	horizontally extendable with 1 i.S.	320 - 1.800	360 - 2.800	1.100	**204409**	**232870**
	with 1 VZ	320 - 1.800	360 - 2.800	1.100	**216934**	
	for variable drive gear horizontally extendable with 1 i.S.	320 - 1.800	470 - 2.800	1.000	**204410**	

13.3 Centre locks and faceplate extensions

204418 

13.3.1 Centre locks

			№	№ Tricoat
silver	centre lock MM 1280	900	**204418**	
	centre lock one piece MM 1280	560	**216941**	
	centre lock extendable MM 1280V	900	**204417**	
	centre lock MM 1500	750	**204419**	
	centre lock one piece MM 1500	450	**216942**	
	centre lock extendable MM 1500V	540	**204420**	

214760 

13.3.2 Faceplate extension

					№	№ Tricoat
silver	faceplate extension MM, extendable	235	1	1.200	**214760**	

13.4 Scissor stays

216938 

13.4.1 Rebated scissor stays VZ and i.S.

silver			600	0	401 - 600	560	**216938**	
			800	0	601 - 800	480	**216939**	
	with 1 i.S.		1050	1	801 - 1.050	480	**216416**	

218067 

13.4.2 Rebated scissor stays VZ with night-vent

silver	right	600	401 - 600	560	**218064**	
	left	600	401 - 600	560	**218065**	
	right	800	601 - 800	480	**218066**	
	left	800	601 - 800	480	**218067**	

204447 

13.4.3 Scissor stay faceplates i.S. with night-vent

silver	right	600	0	401 - 600	720	**204443**	
	left	600	0	401 - 600	720	**204444**	
	right	800	0	601 - 800	630	**204445**	
	left	800	0	601 - 800	630	**204446**	
	right	1050	1	801 - 1.050	450	**204447**	
	left	1050	1	801 - 1.050	450	**204448**	
	right	1300	1	1.051 - 1.300	320	**204449**	
	left	1300	1	1.051 - 1.300	320	**204450**	

13.5 French casement locks

204426 

13.5.1 French casement drive gear for Eurogroove FHH

silver	for 1 i.S.	1340	500	1.091 - 1.340	320	**204426**	

14 Jigs, tools and adjusting screws

14.1 Jigs timber 4 mm air gap 314

14.2 Jigs timber 12 mm air gap 317

14.3 Jigs timber 4 mm + 12 mm air gap 319

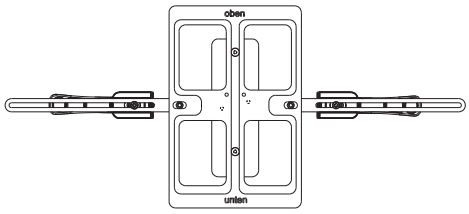
14.4 Jigs PVC 320

14.5 Jigs timber and PVC 322

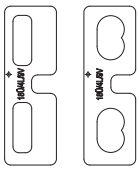
14.6 Tools and adjustment keys 327

14 Jigs, tools and adjusting screws

14.1 Jigs timber 4 mm air gap



206751

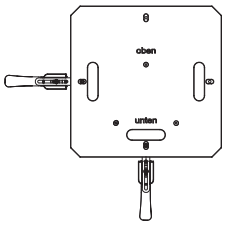


101550

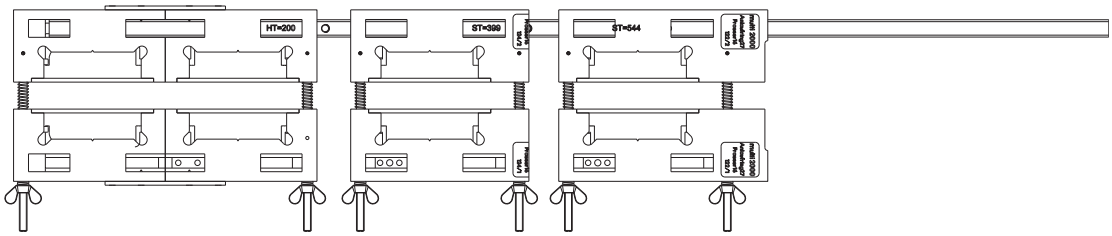
14.1.1 Routing jigs for pivot posts and scissor stay hinges DT 4 mm air gap

					№	№ Tricoat
routing frame for pivot post and scissor stay hinge	timber	DT FR16/AR27		1	**206751**[1]	
routing jig insert for pivot post and scissor stay hinge	timber	DT FR16/AR27	4 air gap/15 rebate leg	1	**101551**	
			4 air gap/18 rebate leg/9 offset	1	**101550**	
			4 air gap/18 rebate leg/13 offset	1	**102890**	

[1] Order routing plates item no. 101551, item no. 101550, item no. 102890 separately.



214813



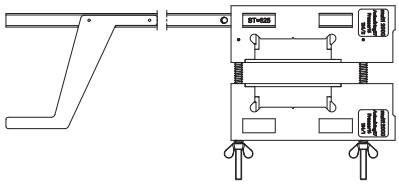
214152

14.1.2 Routing jigs for drive gears MM/MM-KS 4 mm air gap

						№	№ Tricoat
Routing template for drive gear FHH MM	& corner element	i.S.	4 mm air gap		1	**214813**[1]	
Routing template for drive gear FHH MM/MMKS			4 mm air gap	661 - 1.090	1	**214152**	
				841 - 1.340	1	**214153**	
				1.341 - 1.700	1	**214154**	
				1.701 - 2.200	1	**214155**	
	door catch		4 mm air gap	1.701 - 2.200	1	**214156**	

[1] Corner element item no. 222215.

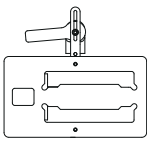

214669


214677

14.1.3 Positioning jigs and routing jigs for centre locks and scissor stays MM/MM-KS 4 mm air gap

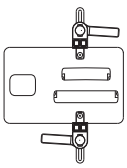
striker positioning jig scissor stay MM/MMKS	with 48 mm retainer		4 mm air gap	630 - 1.300		1	**214669**[1]	
Routing template for bottom centre lock MM			4 mm air gap	801 - 1.500		1	**214677**	
Routing template for bottom centre lock MMKS			4 mm air gap	801 - 1.500		1	**214163**	
Routing template for hinge side centre lock MM			4 mm air gap		801 - 2.200	1	**214676**	
Routing template for hinge side centre lock MMKS			4 mm air gap		801 - 2.450	1	**214162**	
Routing template for hinge side centre lock MM/MMKS			4 mm air gap		801 - 1.500	1	**214161**	

[1] Top 12 mm air gap.


21598

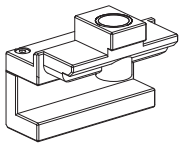
14.1.4 Routing jigs for 2-sashed windows for drive gears, centre locks and shootbolts MM/MM-KS 4 mm air gap

Routing template for 2-sashed windows	timber	shootbolt	FR16/AR27	4 mm air gap			1	**21598**	
Routing template for drive gear FHH MM/MMKS			2-sashed	4 mm air gap		841 - 1.340	1	**214157**	
						1.341 - 1.700	1	**214158**	
						1.701 - 2.200	1	**214159**	
		door catch	2-sashed	4 mm air gap		1.701 - 2.200	1	**214160**	
Routing template for bottom centre lock MM			2-sashed	4 mm air gap	801 - 1.500		1	**214679**	
Routing template for bottom centre lock MMKS			2-sashed	4 mm air gap	801 - 1.500		1	**214164**	


41537

14.1.5 Routing jigs for half round windows 4 mm air gap

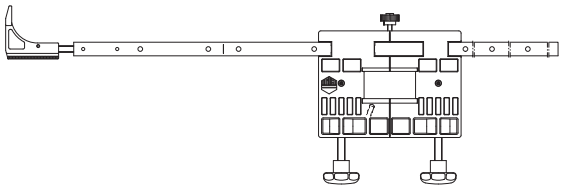
Routing template for half round windows MT/MM	timber	stabilizing scissor stay case and strikers	4 mm air gap	1	**41537**
Routing template for half round scissor stay MT/MM	timber		4 mm air gap	1	**28337**



214542

14.1.6 Drilling jigs for compression devices 4 mm air gap

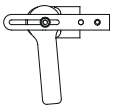
drilling jig for compression device	timber	drill-in	9 mm offset	4 mm air gap	1	**23871**	
			13 mm offset	4 mm air gap	1	**214542**	



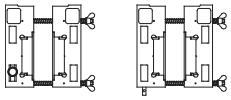
28377

14.1.7 Routing jig for intermediate drive gears 4 mm air gap

Routing template for intermediate drive gear	timber	FR16/AR27/BO12	4 mm air gap / 15 mm rebate leg	1	**28377**	



11195

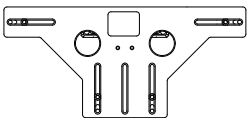


22127

14.1.8 Replacement parts and single components for jigs 4 mm air gap

clamp for routing jig	timber	2 pcs. with screws		10	**11195**	
routing jig 122/1+2	timber	replacement part for routing jig	4 mm air gap	1	**22127**	
routing jig 123/1+2	timber	replacement part for routing jig	4 mm air gap	1	**20924**	
routing jig 124/1+2	timber	replacement part for routing jig	4 mm air gap	1	**20925**	
routing jig 125/1+2	timber	replacement part for routing jig	4 mm air gap	1	**20926**	

14.2 Jigs timber 12 mm air gap

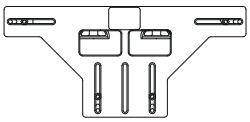


20890

14.2.1 Routing jig for pivot posts and scissor stay hinges DT 12 mm air gap

Routing template for pivot post and scissor stay hinge	timber		DT FR34/AR40	12 mm air gap / 18 mm rebate leg + 12 mm air gap / 20 mm rebate leg	1	**20890**[1]	

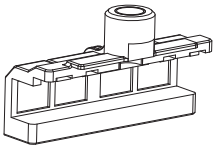
[1] Replacement part and single component available.



23957

14.2.2 Routing jig for scissor stay hinges for angled windows DT 12 mm air gap

Routing template for angled window scissor stay hinge	timber		DT FR34/AR40	12 mm air gap / 18 mm rebate leg + 12 mm air gap / 20 mm rebate leg	1	**23957**	



22482

14.2.3 Drilling jigs for compression devices 12 mm air gap

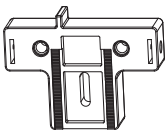
striker positioning jig for compression device	timber	drill-in	sash component		1	**29489**	
drilling jig for compression device	timber	drill-in		12 mm air gap 9 mm offset	1	**22482**	
			frame components	12 mm air gap 9 mm offset	1	**29490**	
				Euro-rebate 24 mm rebate depth 13 mm offset	1	**206881**	
					1	**207300**	



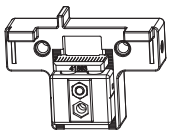
212949

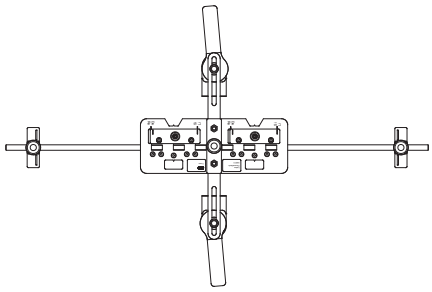
14.2.4 Drilling jigs for Safety Pin 12 mm air gap

drilling jig for safety pin	timber		Euro-rebate 24 mm rebate depth 13 mm offset	1	**212949**



12506

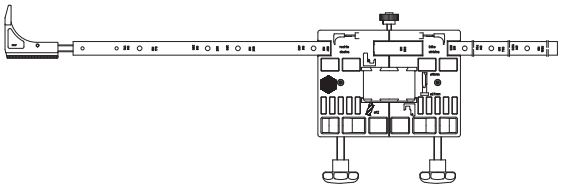




11025

14.2.5 Drilling jigs for 3-sashed windows 12 mm air gap

			Nº	Nº Tricoat
drilling jig for 3-sashed turn-only hinge	timber	1	**12506**	
drilling jig for multi-sash centre frame hinge	timber	1	**11025**	



206581

14.2.6 Routing jigs for intermediate drive gears 12 mm air gap

						Nº	Nº Tricoat
routing template for intermediate drive gear	timber	FR16/AR27/BO12	9 mm offset	12 mm air gap / 18 mm rebate leg + 12 mm air gap / 20 mm rebate leg	1	**28376**	
			13 mm offset	12 mm air gap / 18 mm rebate leg + 12 mm air gap / 20 mm rebate leg	1	**206581**	

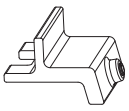


370313

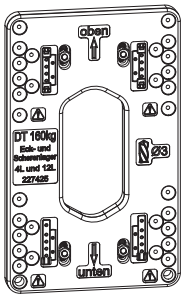
14.2.7 Replacement parts and single components for jigs 12 mm air gap

			Nº	Nº Tricoat
stop piece DT160	18 mm high	20	**370313**	

14.3 Jigs timber 4 mm + 12 mm air gap



24871



227425

14.3.1 Drilling jigs

				№	№ Tricoat
drilling jig for glazing-bar catch	timber		10	**24871**	
drilling jig for pivot post and scissor stay hinge DT160		4 mm air gap / 12 mm air gap	1	**227425**	

14.4 Jigs PVC

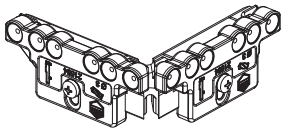


21958

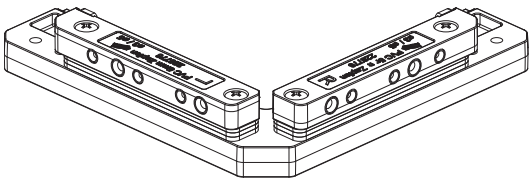
14.4.1 Drilling jigs for pivot posts and scissor stay hinges

					№	№ Tricoat
drilling jig for pivot post and scissor stay hinge	PVC	with 3 mm pin		1	**21958**[1]	
		with 7 mm pin		1	**21694**[1]	

[1] Replacement part and single component available.



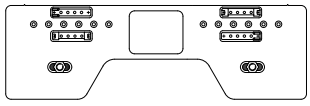
21564



228776

14.4.2 Drilling jigs for corner supports

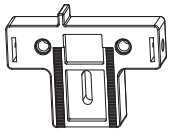
					№	№ Tricoat
drilling jig for corner support	PVC		with 3 mm pin	1	**21564**	
			with 3 mm pin, Design Multi Mammut	1	**229224**	
			with 5 mm supporting pins	1	**21562**	
			with 5 mm supporting pins, Design Multi Mammut	1	**228776**	
		5° angle	with 5 mm supporting pins	1	**23279**	
			MULTI MAMMUT	1	**228043**	



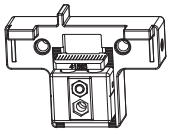
24003

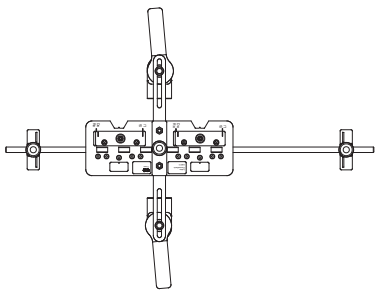
14.4.3 Drilling jigs for pivot posts and scissor stay hinges for angled windows

				№	№ Tricoat
drilling jig for angled window scissor stay hinge	PVC	with 3 mm pin	1	**24003**	
		with 7 mm pin	1	**24004**	



13029

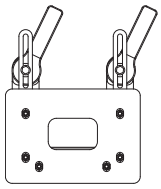




11888

14.4.4 Drilling jigs for 3-sashed windows

					№	№ Tricoat
drilling jig for 3-sashed turn-only hinge	PVC			1	**13029**	
drilling jig for multi-sash centre frame hinge	PVC	with 3 mm pin	drilling-hole pattern 11.5/5/23.5	1	**11888**	
		with 7 mm pin	drilling-hole pattern 11.5/5/23.5	1	**11889**	



202641

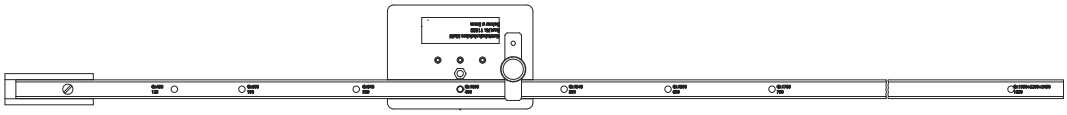
14.4.5 Jig for intermediate drive gears			№	№ Tricoat
routing template for intermediate drive gear	frontal	1	**202641**	

104941 6x 

2x

P 14.4.6 Replacement parts and single components for jigs PVC			№	№ Tricoat
silver	packers for drilling jig corner support PVC MULTI MAMMUT	1	**104941**	

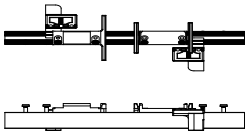
14.5 Jigs timber and PVC


203861

14.5.1 Jigs for drive gear holes MM/MM-KS

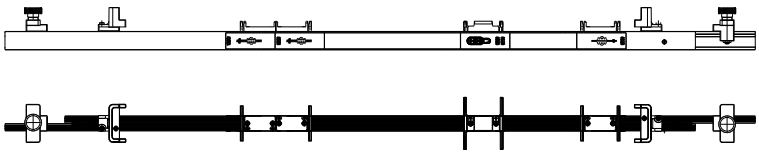
			№	№ Tricoat
drilling jig for drive gear drill-hole MM	for 3 mm drillbits	1	**203861**	
	for 3 mm and 12 mm drill bit	1	**203862**	
drilling jig for lockable door espagnolettes BS 25-50 mm	profile width max. 110 mm	1	**214634**	

14.5.2 Striker plate jigs timber 12 mm air gap and PVC


204773

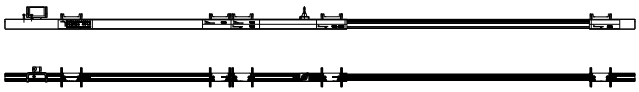
14.5.2.1 Striker plate jigs for drive gears FHH MM/MM-KS

					№	№ Tricoat
striker positioning jig for drive gear FHH MM	with 48 mm retainer		431 - 660	1	**204773**	
			661 - 1.340	1	**204774**	
			1.341 - 1.700	1	**204775**	
		for doors	1.701 - 2.450	1	**204776**	


206049

14.5.2.2 Striker plate jigs for drive gears VHH MM/MM-KS

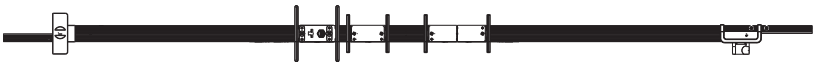
					№	№ Tricoat
striker positioning jig for drive gear MM	with 48 mm retainer	variable (centred)	1.250 - 1.750	1	**206049**	
			1.751 - 2.250	1	**206067**	


204771

14.5.2.3 Striker plate jigs for centre locks and scissor stays MM/MM-KS

						№	№ Tricoat
striker positioning jig for centre lock and scissor stay MM	with 48 mm retainer		260 - 1.500	270 - 2.000	1	**204771**	
striker positioning jig for centre lock MM	with 48 mm retainer	horizontal	801 - 1.500		1	**204772**	
striker positioning jig scissor stay	with 48 mm retainer	MULTI MAMMUT	601 - 1.500		1	**213310**	
striker positioning jig for bottom centre lock MM	with 50 mm retainer	i.S.	451 - 1.650		1	**229783**	
striker positioning jig for hinge side centre lock MM	with 50 mm retainer	i.S.		360 - 1.450	1	**229782**	
				1.451 - 2.800	1	**229785**	

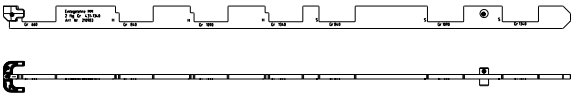
206260



14.5.2.4 Striker plate jigs for 2-sashed centre locks MM/MM-KS

				№	№ Tricoat
striker positioning jig for centre lock MM	2-sashed		1	**206260**	
striker positioning jig for centre deadbolt striker plate MMKS	2-sashed		1	**213865**	

210983

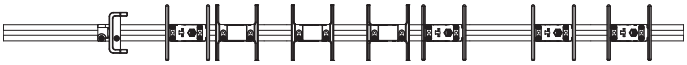


14.5.2.5 Striker plate jigs for 2-sashed windows for drive gears FHH Eurogroove MM/MM-KS

						№	№ Tricoat
striker positioning jig for drive gear FHH MM	for striker plate 48 mm	2-sashed	for Eurogroove	431 - 1.340	1	**210983**	
	for striker plate 68 mm	2-sashed	for Eurogroove	431 - 1.340	1	**209954**	
	for striker plate 48 mm	2-sashed	for Eurogroove	1.341 - 1.700	1	**210984**	
	for striker plate 68 mm	2-sashed	for Eurogroove	1.341 - 1.700	1	**209955**	
	for striker plate 48 mm	2-sashed	for Eurogroove	1.701 - 2.450	1	**210985**	
	for striker plate 68 mm	2-sashed	for Eurogroove	1.701 - 2.450	1	**209956**	

14.5.3 Striker plate jigs timber 12 mm air gap and PVC EH

224959



14.5.3.1 Striker plate jigs for drive gears FHH EH MM

					№	№ Tricoat
striker positioning jig for drive gear FHH MM	with 50 mm retainer	EH	661 - 1.340	1	**224959**	
			1.341 - 1.700	1	**224960**	
			1.701 - 2.450	1	**224961**	

225022



14.5.3.2 Striker plate jigs for centre locks and scissor stays EH MM

						№	№ Tricoat
striker positioning jig scissor stay MM	with 50 mm retainer	EH	480 - 1.650		1	**225022**	
striker positioning jig for bottom centre lock MM	with 50 mm retainer	EH	480 - 1.650		1	**225032**	
striker positioning jig for hinge side centre lock MM	with 50 mm retainer	EH		480 - 1.340	1	**225038**	
		EH		1.341 - 1.950	1	**225059**	
				1.951 - 2.600	1	**225060**	

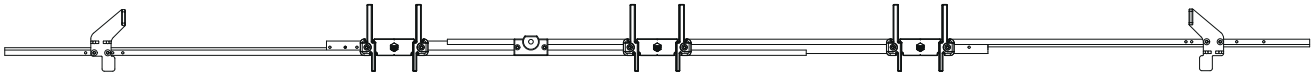
225068



14.5.3.3 Striker plate jigs for 2-sashed centre locks EH MM

				№	№ Tricoat
striker positioning jig for bottom centre lock MM	with 50 mm retainer	2-sashed	EH	1	**225068**	
striker positioning jig for top centre lock MM	with 50 mm retainer	2-sashed	EH	1	**225069**	

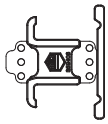
57247



14.5.4 Jigs for compression devices

drilling jig for compression device		with positioning jig-rod	surface-mounted	1	**11029**	
striker positioning jig for compression device			concealed ES+TV sash and frame component	1	**57247**	

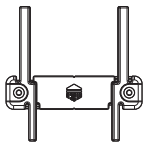
359408



T 14.5.5 Jigs for single components, sash lifter brackets timber

lifting component retainer MM	timber		Euro-rebate 24 mm rebate depth 13 mm offset	20	**359408**	
			Euro-rebate 9 mm offset	20	**364241**	

361815



14.5.6 Jig for single components, striker plate brackets compression device

striker plate retainer for compression device	timber		concealed ES+TV sash and frame component	1	**361815**	

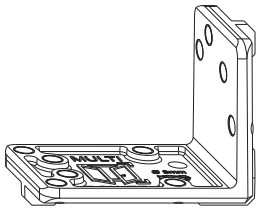
40116



14.5.7 Jigs for single components, striker plate brackets

striker plate retainer		for striker plate 48 mm			10	**40116**	
			with long stop		1	**441296**[1]	
		for striker plate 68 mm	i.S.		1	**13318**	
	timber	for striker plate 48 mm		Euro-rebate 24 mm rebate depth 13 mm offset	20	**359407**	
		for striker plate 68 mm	i.S.	Euro-rebate 24 mm rebate depth 13 mm offset	20	**359410**	
				Euro-rebate 9 mm offset	20	**359409**	
		for striker plate 34943		Euro-rebate	10	**40107**	
		for striker plate 34980		Euro-rebate	20	**41272**	
	PVC	for striker plate 50 mm	i.S.		10	**43702**[2]	

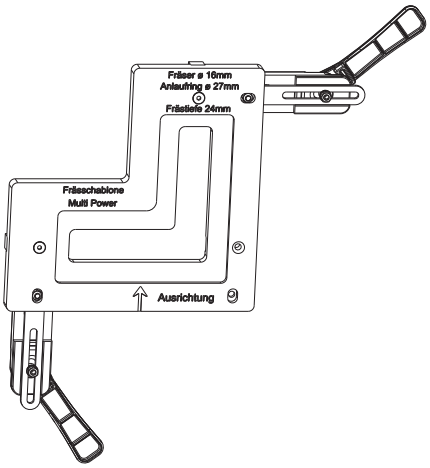
[1] Striker plate 48 mm and sash lifter MM PVC.
[2] Striker plate rear-engaging



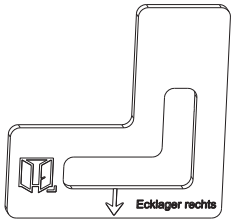
217092



228518



225618

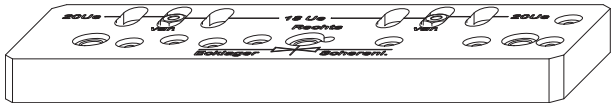


368035

14.5.8 Drilling and routing jigs for MULTI POWER

					№	№ Tricoat
drilling jig for pivot post and scissor stay hinge	right		FT24	1	**217092**	
			groove 10/14 Heroal	1	**219539**	
	left		FT24	1	**217093**	
			groove 10/14 Heroal	1	**219540**	
	right/left		FT30	1	**217094**	
drilling jig for pivot post	right/left	for threshold	PVC rebate depth 24/30 mm	1	**227810**	
drilling jig for load transfer				1	**228518**	
	right	for threshold	FT24	1	**229835**	
	left	for threshold	FT24	1	**229836**	
	right/left	for threshold	FT24/30 and FT30	1	**229837**	
routing frame				1	**225618**[1,2]	
routing jig insert for 3-sashed turn-only hinge	right/left			1	**368094**	
routing jig insert for pivot post	right/left			1	**368035**	
routing jig insert for scissor stay hinge	right/left			1	**368036**	

[1] Replacement part and single component available.
[2] Order routing jig for pivot post, scissor stay hinge or 3-sash turn-only hinge (frame part) separately.



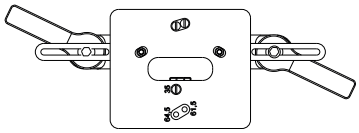
213096

14.5.9 Drilling and routing jigs for MULTI MAMMUT

					№	№ Tricoat
drilling jig for pivot post and scissor stay hinge		right	MULTI MAMMUT	1	**213096**	
		left	MULTI MAMMUT	1	**213097**	
routing jig for corner support & rebated scissor stay support arm	timber		MULTI MAMMUT	1	**213099**	



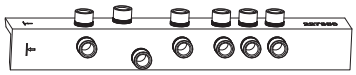
40157

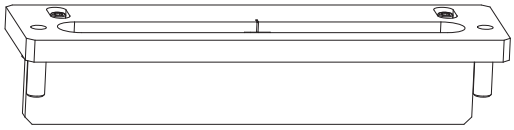


212591

14.5.10 Drilling and routing jigs for turn locks and MULTI VENT

				№	№ Tricoat
drilling jig for turn lock	self-closing	timber/PVC	10	**40157**	
drilling jig for Multi-Vent tilt restrictor		timber/PVC/alu-timber	1	**42505**	
routing template for turn lock MT/MM	concealed		1	**212591**	





104717

14.5.11 Drilling and routing jig for E-Hardware

drilling and routing jig set for E-hardware	surface-mounted	12 air gap/20 rebate leg/13 offset	1	**104717**	



228226

14.5.12 Marking jig for alu front profiles

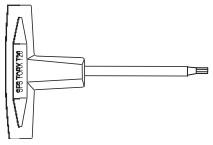
marking jig for frame component for alu coupling sash			5	**228226**	



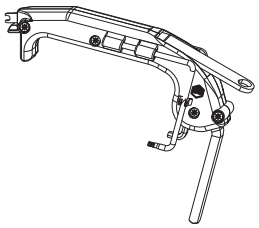
229643

14.5.13 Marking jig for i.S. cam

marking jig for i.S. cam			10	**229643**	



40680



206417

14.6 Tools and adjustment keys

		№	№ Tricoat
universal access key	20	**40720**	
adjusting spanner/key allen key, bent twice, 145 mm long SW 4	50	**454888**	
adjusting spanner/key allen key, bent twice, 75 mm long SW 4	50	**41017**	
adjusting spanner/key for locking cams and scissor stays	50	**20947**	
adjusting spanner/key for i.S. cams, bent twice, 145 mm long TX 15	50	**465776**	
adjusting spanner/key for i.S. cams, bent twice, 75 mm long TX 15	50	**44192**	
adjusting spanner/key for i.S. cams and striker plates, TX 15 and SW 4	100	**43647**	
pin pull-handle for rebated scissor stay TX 20	50	**40680**	
MACO allen key for MULTI VENT SW 2.5	100	**24239**	
scriber	100	**42465**	
multifunctional key	20	**206417**	
key for scissor stay hinge pin	20	**28620**	

15 MACO Tronic

15.1 Window monitoring 330
15.1.1 Sash components for locking monitoring 330
15.1.2 Frame components/sensors for locking monitoring 332
15.1.3 Accessories for window monitoring 334

15 MACO Tronic

15.1 Window monitoring

15.1.1 Sash components for locking monitoring

15.1.1.1 Corner elements with magnetic cam



206190

15.1.1.1.1 Corner element standard with magnetic cam					№	№ Tricoat
silver	with 1 i.S. and 1 magnetic cam	320 - 1.650	360 - 2.450	50	**206190**	**232865**



228493

15.1.1.1.2 Corner element vertical with magnetic cam				№	№ Tricoat
silver	vertically extendable with 1 magnetic cam	750 - 2.450	50	**228493**	**232885**



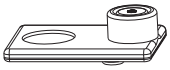
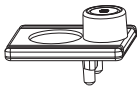
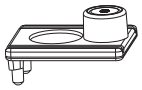
201755

15.1.1.2 Faceplate extension MM, extendable with magnetic cam			№	№ Tricoat
silver	140 with 1 magnetic cam	20	**201755**	**232898**



465323 441772 228503 228504 455428 465416

15.1.1.3 Magnetic cam and accessories			№	№ Tricoat
silver	screw-in magnet in zink case	100	**465323**	
	contact sensor cam M5 D=10x10 mm	100	**441772**	
	contact sensor cam short D=10x13.4 mm	100	**228503**	
	contact sensor cam long D=10x17.7 mm	100	**228504**	
white	surface mounted contact sensor	10	**455428**	
blank	magnetic disc D=8x1 mm	200	**465416**	

57425  200906  225901 

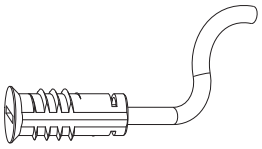
15.1.1.4 Adaptors with magnetic cam			№	№ Tricoat
grey	adaptor with contact sensor	50	**57425**	
	adaptor with contact sensor KVS MM	50	**200906**	
	adaptor with contact sensor KVS MM suitable for automation	10	**225901**	

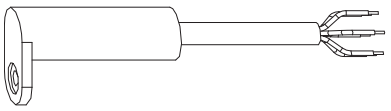
15.1.2 Frame components/sensors for locking monitoring

15.1.2.1 Tethered sensors


363177

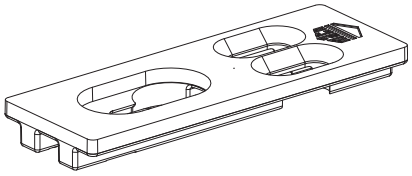

363180

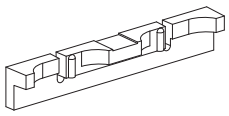

455426

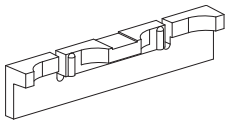

455427

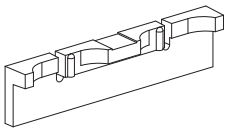
15.1.2.1.1 Reed contacts

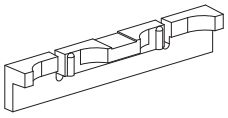
							№	№ Tricoat
grey	built-on	RVS	for locking and tilt monitoring	VdS B/C	6 m cable (0.14 mm²)	10	**363177**	
					10 m cable (0.14 mm²)	10	**363178**	
					15 m cable (0.14 mm²)	10	**363179**	
		RHS	for central heating control		6 m cable (0.14 mm²)	10	**363180**	
					15 m cable (0.14 mm²)	10	**363181**	
silver	built-in	MVE	for locking and tilt monitoring	VdS C	6 m cable (0.14 mm²)	10	**455426**	
		MVF (PVC)	for combined opening and locking monitoring	VdS C	6 m cable (0.14 mm²)	10	**455427**	

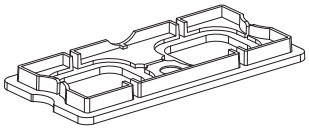

370522

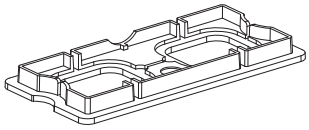

363182

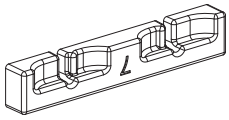

363183


363184


363185


363186


363187

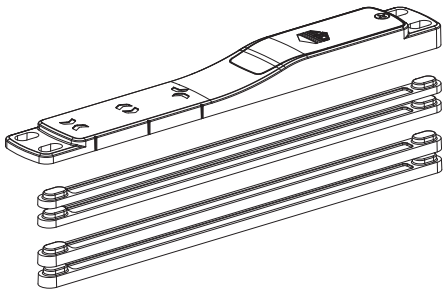

370482

15.1.2.1.2 Packers for reed contact

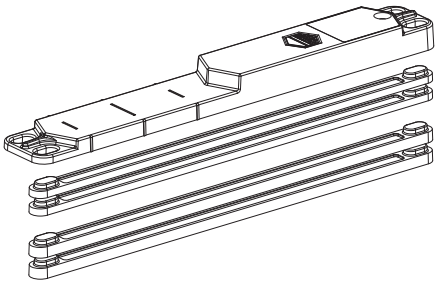
				№	№ Tricoat
white		MVF (PVC)	100	**370522**[1]	
	type 1	RVS (PVC)	10	**363182**[1]	
	type 2	RVS (PVC)	10	**363183**[1]	
	type 3	RVS (PVC)	10	**363184**[1]	
	type 4	RVS (PVC)	10	**363185**[1]	
	type 5	RVS (PVC+timber)	10	**363186**[1]	
	type 6	RVS (PVC)	10	**363187**[1]	
	type 7	RVS (PVC)	10	**370482**[1]	

[1] The correct packer for the window profile can be found on our online catalog (TOM) or on the corresponding profile sheet.

15.1.2.2 Wireless sensors



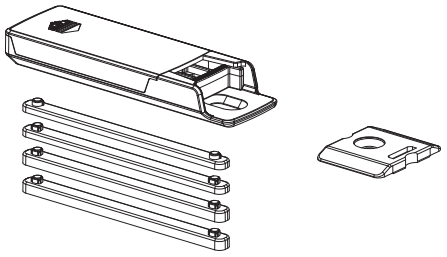
480322



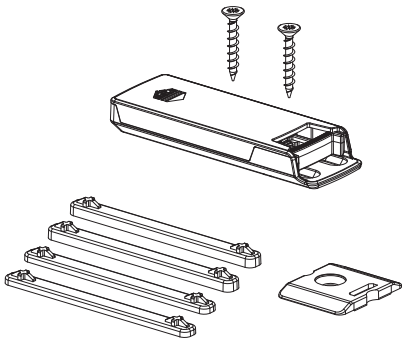
476777

15.1.2.2.1 mTronic

			№	№ Tricoat
black	mTronic multi-sensor wireless	1	**480322**	
	mTronic multi-sensor wireless set of 10	10	**480313**	
grey	mTronic multi-sensor wireless	1	**476777**	
	mTronic multi-sensor wireless set of 10	10	**476776**	



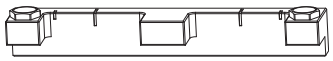
479972



480804

15.1.2.2.2 eTronic

			№	№ Tricoat
black	eTronic smart ready wireless sensor	1	**479972**	
		10	**479973**	
	eTronic smart ready wireless sensor V2	1	**480804**	
		10	**480805**	

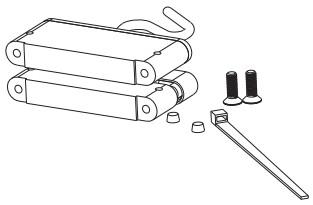


229396

15.1.2.2.3 Jig for mTronic

			№	№ Tricoat
drilling jig f. m/eTronic multi-sensor	aluminium/PVC	1	**229396**	

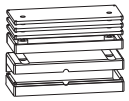
15.1.3 Accessories for window monitoring



458062

15.1.3.1 Electrical, contactless signal transmitter

		№	№ Tricoat
for alarm glass and glass breakage sensors	1	**458062**	



455431



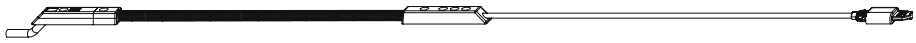
455429

15.1.3.2 Accessories for signal transmitter

			№	№ Tricoat
white	construction case set for electronic cable junction without contacts	1	**455431**	
	fixing frame for electronic cable junction without contacts	1	**455429**	
brown	construction case set for electronic cable junction without contacts	1	**455432**	
	fixing frame for electronic cable junction without contacts	1	**455430**	



458281



363472



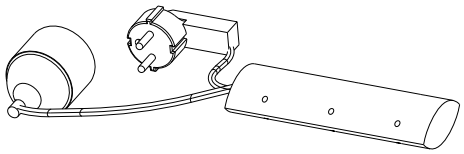
363474



363473

15.1.3.3 Removable cable transitions

			№	№ Tricoat
	detachable cable junction 6-pin	1	**458281**	
	detachable cable junction for alarm contact	1	**363472**	
stainless steel	cable junction cover plate, PVC for alarm contact	1	**363474**	
	cable junction cover plate, timber	1	**363473**	

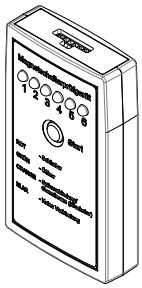


458063

15.1.3.4 Exit air controls

			№	№ Tricoat
exit air control	cable version	1	**458063**[1]	
	wireless version	1	**458064**[2]	

[1] Box contents: 1 x controller, 1 x magnetic switch, 1 x contact sensor, 6 x packers for PVC profiles.
[2] Box contents: 1 x controller, 1 x wireless sensor, 1 x wireless magnet.



364524

15.1.3.5 Test device for reed contacts		№	№ Tricoat
test device for reed contacts	1	**364524**	

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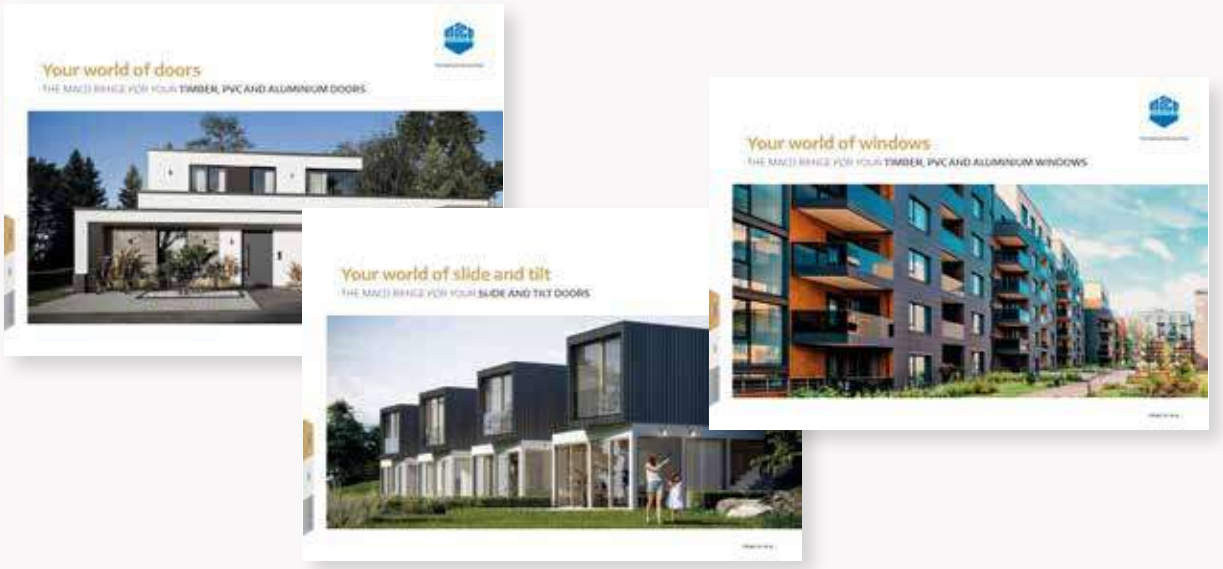
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