

product catalogue

SIEGENIA[®]
SOLUTIONS INSIDE



FAVORIT.

Product catalogue:
FAVORIT PVC and timber 12 mm.

WINDOW HARDWARE
DOOR HARDWARE
SLIDING DOOR HARDWARE
VENTILATION TECHNOLOGY
BUILDING TECHNOLOGY

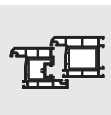
WINDOW HARDWARE

FAVORIT

1 - Directory Overview

FAVORIT

Overview	H45.TITA000S002EN	1 - 3
Symbols and abbreviations	H45.TITA000S001EN	1 - 4
Material numbers key	H45.TITM000S001EN	1 - 7
Profile cross-sections PVC	H45.TITPKFOS001EN	1 - 9
Profile cross-sections timber 12 mm	H45.TITPH20S001EN	1 - 10
Intended use, Overview	H45.TITA000S004EN	1 - 12
Intended use, PVC windows	H45.TITA000S005EN	1 - 15
Intended use, Timber windows	H45.TITA000S006EN	1 - 20
Security and standards	H45.TITA000S003EN	1 - 26
Application diagram 100 kg	H58.AWD_T_S001EN	1 - 37



Directives of the Trade Organisation for Locks and Fittings (Gütegemeinschaft Schlösser und Beschläge e. V.)

The directives of the Trade Organisation for Locks and Fittings provide comprehensive information on the correct operation and maintenance of hardware for windows and portal doors. Compliance with these guidelines is mandatory.

You can find the latest versions of the directives, in a range of languages, at:
<http://www.beschlagindustrie.de/ggsb/richtlinien.asp>



TBDK – Attachment of supporting fitting components for turn-only and tilt&turn fittings
with definitions for turn-only and tilt&turn fittings and their possible installation positions

VHBH – Hardware for windows and balcony doors
Guidelines/advice on the product and on liability

VHBE – Hardware for windows and balcony doors
Guidelines/advice for end-users

FPKF – Restrictor and cleaning stays for Tilt-Only sashes and Tilt-Only fanlights
Use of restrictor and cleaning stays

FBDF – Casement stoppers for variable rotational position of window leafs
Casement stoppers that are controlled via the central locking system - definitions and tests

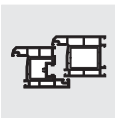
Further relevant documents

You can find further relevant documents, for example structural design charts, assembly instructions, profile spec sheets, individual component sheets, and maintenance, operating and care instructions, on our documentation pages:
<http://downloads.siegenia.com/>



Feedback on documentation

We welcome your comments and suggestions on how to improve our documentation. Please e-mail your comments to:
dokumentation@siegenia.com.



Symbols and abbreviations

TITAN

Element materials



Element material
PVC



Element material
Timber



Element material
aluminium

Opening types



Rectangular turn-tilt element



2-sash rectangular turn-tilt/turn element



Rectangular turn element



2-sash rectangular turn/turn element



Rectangular tilt element



Arched-head turn-tilt element



2-sash arched-head turn-tilt/turn element



Rounded-head turn-tilt element



2-sash rounded-head turn-tilt/turn element



Angled turn-tilt element



Triangular turn-tilt element

Symbols



Height adjustment



Side adjustment



compression adjustment

Dimensions

All dimensions are nominal values and include the general tolerances.
All nominal values are given in mm.

Weights

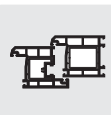
All weights refer to the maximum sash weight



Symbols and abbreviations

TITAN

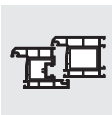
70	Locking distance 700 mm	EL O	Bottom hinge top
... /A	Component suitable for cutting to length	EL U	Bottom hinge bottom
... /G	Reverse-action	EL-S U	Bottom hinge
... /K	Constant component length	ESL	Stainless-steel finish
...+	Component to slide underneath	FB	Sash hinge
/Z	Gear driven actuation	FBS	Anti-mishandling device
16/2	Fitting groove 16 x 2 mm	FEB	Rebate corner hinge
-A	Component suitable for cutting to length	FFA	Sash rebate stop
A0175	Hinge clearance through sash	FFB	Sash rebate width
A0245	Suitable for use with threshold	FFB/LS	FFB length of angled section
AB	Start of bow	FFH	Sash rebate height
abschl.	Lockable	FFH/AB	Sash rebate height at springing line
ADV	Adjustable compression	FFH/VS	FFH closing side
AF	Automated manufacturing	FFK	Sash rebate edge
BAN	Hardware groove	FG	Sash lift
BS	Hinge side	FH	Sash lift
BSO	Hinge side, top	FL	Airgap
BSU	Hinge side, bottom	Flzub.	Sash accessories
BSW	Threshold	FPS	Tilt-only security stay
Bag	Bag	FT	Rebate depth
D	Seal	FZ	Fixing bolt
DEF	Triangular window	G	Handle position
DF	Turning sash	GBA	Straight pin
DFB	Turn only hinge	GK	Constant handle height
DF/MN	Turning sash with hardware groove	GM	Centre/variable handle height
DF/ON	Turning sash without hardware groove	GS	Basic security
DG	Turning sash, reverse-action	H	Timber
DH	Turn restriction	h	Milling depth
DK	Turn-tilt element	H4	Timber, 4 mm airgap
DS	Turning secondary sash	H12	Timber, 12 mm airgap
DS 8	Turning secondary sash (eurogroove)	HD	Heavy-duty hinge side
DS 16	Turning secondary sash (with reverse-action hardware groove)	K	Tilt sash
DSV	Concealed turning lock	KD	Tilt-turn element (=TBT)
DZB	Turn hinge	KF	Plastic (PVC)
E	Anti-intruder	KFB	Tilt sash hinge
EB	Corner hinge	KK	constant turn-tilt
EL	Bottom hinge/striker jig	KL	Clamping jig



Symbols and abbreviations

TITAN

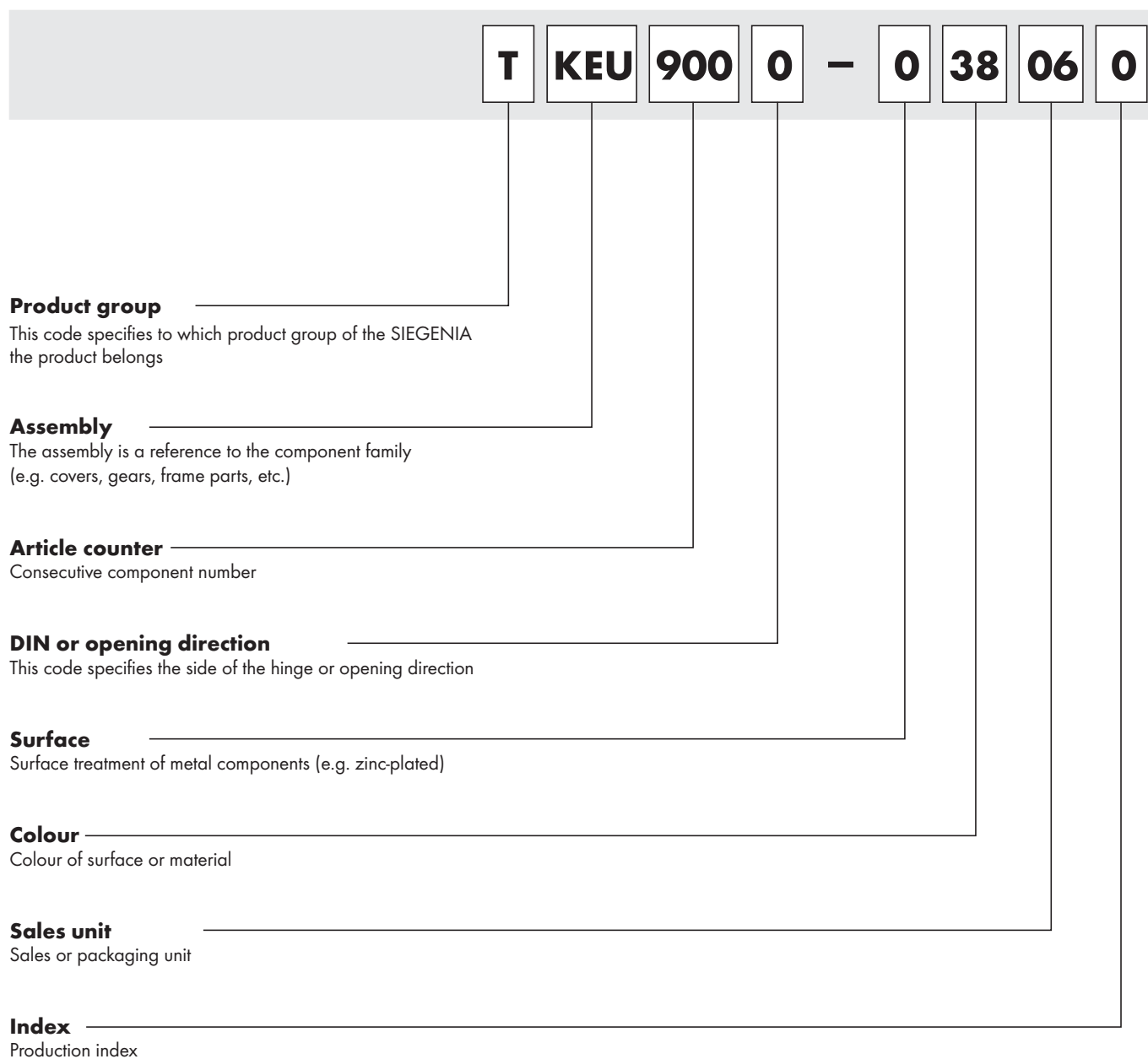
KR	Shoot bolt	SF/SB	Angled-head/rounded-head window
KRL	Tilt-lock bearing	SL	Top hinge
Carton	Carton	SP	Gap ventilation
KS	Constant secondary sash	S-RS	Comfort mushroom
li.	left	SW	Wrench size/opening
LS	Length of angled section	t	Drilling depth
M	Magnetic cam	TAF	TITAN AF product programme
MB	With bolts	TBT	Tilt-before-turn
MN	with groove	Telesk.	Telescopic
MSP	Multiple gap ventilation	TiP	TITAN iP product programme
MV	Centre lock	TL	Door design
NA	Groove axis	TS	Titanium silver
O	Top	U	Bottom
ON	Without groove	ÜB	Rebate width
OS	Without lock	UE	Monitoring
OZ	Without cam	US	Bottom side
PDB	Profile data sheet	VKE	Sales unit
PZ	Profile cylinder	VL	Extension
RAN	Fitting groove	VS	Locking side
RB	Arched head	VSO	Locking side, top
RC	Resistance Class	VSU	Locking side, bottom
re.	rh	V-V	Fully concealed
RFA	Frame rebate stop	W	Stay hinge
RFB	Frame rebate width	WK	Resistance requirements according to DIN EN 1627 - 1630
RFH	Frame rebate height	Z	Additional stay
RFK	Frame rebate edge	ZZ	Connecting teeth
Rings.	Raised edge countersink		
RS	Rolling security cam		
RSA	Bolt throw		
S	Heavy version		
-S	heavy		
SB	Striker plate		
SB	Rounded head		
SB-RS	Striker plate f. rolling security cam		
SE	Flush-closing		
S-ES	Mushroom cam		
SF	Angled-head window		



Material numbers key

TITAN

The material number is a code for components and consists of eight segments. The material number allows products to be precisely assigned to their corresponding component drawing, surface, colour and other properties.





Material numbers key

TITAN

T	KEU	900	0	-	0	38	06	0
1	2	3	4		5	6	7	8

1 Product group					
A	A300	G	Building technology	t	TITAN
B	BASICline	K	Small parts	Z	Accessories (general)
C	Casement	L	Ventilation technology		
D	Door (door lock programme)	M	LM		
F	FAVORIT	P	PORTAL		

2 Assembly					
A	Jig	H	Handle	s	Stays
B	Hinge side parts	K	Cover caps	u	Monitoring (Aerocontrol/radio sensor)
D	Seal, distance piece, documentation	L	Bogie wheels	V	Extension
E	Corner drives, lock bolts, locking parts	M	Mixed packages	Z	Linkages / accessories
F	Sash components	P	Profiles / profile sets PORTAL		
G	Gear	R	Frame parts		

The abbreviations ONLY apply to the 1st digit. Further digits are assigned individually.

3 Article counter	
The articles are assigned consecutive numbers from 001 to 999.	

4 DIN or opening directions					
0	Independent of opening	1	DIN RIGHT	2	DIN LEFT

5 Surface					
0	Neutral (finished surface) e.g. plastic	2	E-Look (galvanised)	6	Clear - chromated (galvanised)
1	Titan silver (galvanised)	5	Aluminium, suitable for anodising, painting or coating	L	Painted

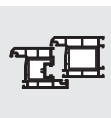
6 Colour					
01	RAL 9001 Cream	16	RAL 8001 Ochre brown	H0	Old gold (EV4)
02	RAL 9003 Signal white	24	EV1 anodised	H4	F9 Titan bright
11	RAL 8022 Black brown	38	Gold shining	I2	F3 Gold matte

These specifications do not apply to custom stock colours. For further colours please inquire.

7 Packaging unit					
01	Quantity of 1	04	Quantity of 25	07	Quantity of 250
02	Quantity of 10	05	Quantity of 50	08	Quantity of 500
03	Quantity of 20	06	Quantity of 100		

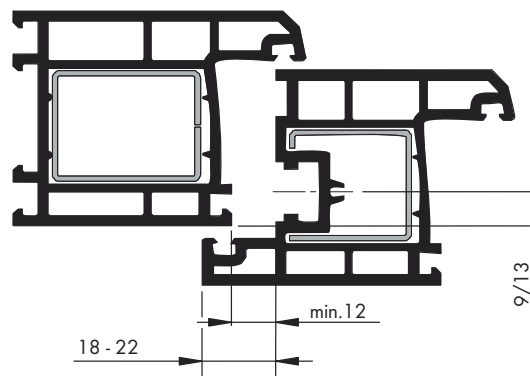
For further packaging units please inquire.

8 Processing index	
The processing index indicates the processing status and is assigned consecutively.	



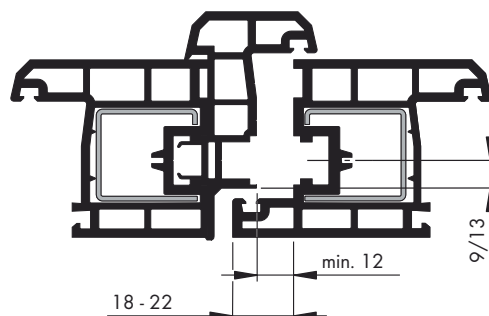
1-sash design

Cavity:	min. 12 mm
Rebate width:	18 to 22 mm
Groove axis:	9/13 mm



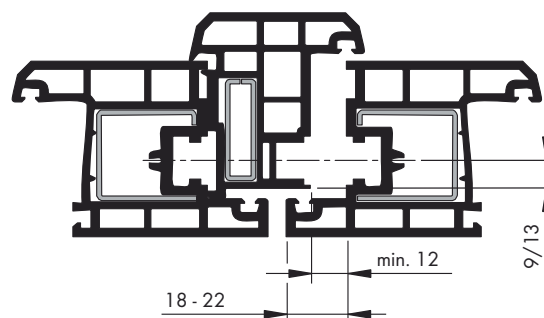
Secondary sash with opposed fitting groove

Cavity:	min. 12 mm
Rebate width:	18 to 22 mm
Groove axis:	9/13 mm



Secondary sash with opposed fitting groove

Cavity:	min. 12 mm
Rebate width:	18 to 22 mm
Groove axis:	9/13 mm

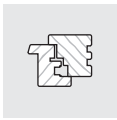


Note:

For profile-related specifications please refer to the SIEGENIA profile datasheets.

Caution:

The size ranges stated on the set sides apply to SIEGENIA fittings. In addition, the specifications of the profile fabricators or system owners also apply, especially in regard to possible restrictions on sash dimensions, sash weight and lock spacing.

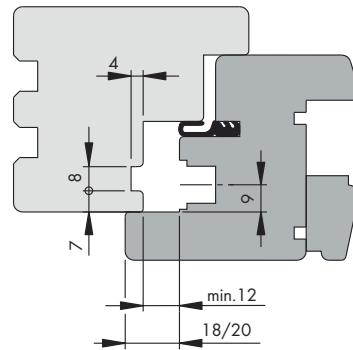


Profile cross-sections, timber 12 mm, system 12/... 1-sash designs

TITAN

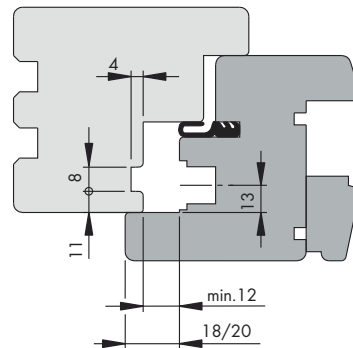
Eurogroove 7/8x4

Airgap:	min. 12 mm, circumferential
Rebate width:	18/20 mm
Groove axis:	9 mm



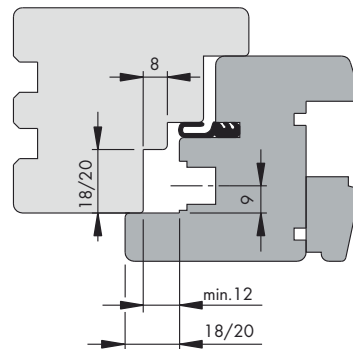
Eurogroove 11/8x4

Airgap:	min. 12 mm, circumferential
Rebate width:	18/20 mm
Groove axis:	13 mm



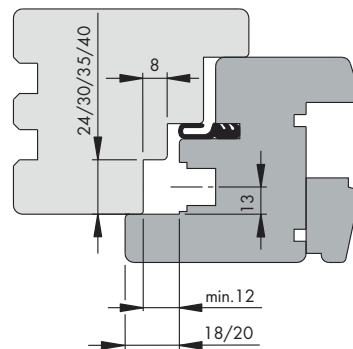
Eurogroove 18/8 and 20/8

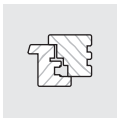
Airgap:	min. 12 mm, circumferential
Rebate width:	18/20 mm
Groove axis:	9 mm



Eurogroove ../8

Airgap:	min. 12 mm, circumferential
Rebate width:	18/20 mm
Groove axis:	13 mm





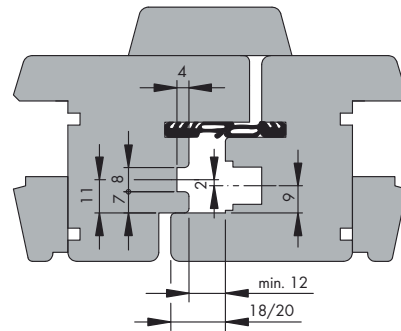
Profile cross-sections, timber 12 mm, system 12/...

TITAN

Secondary sash constructions

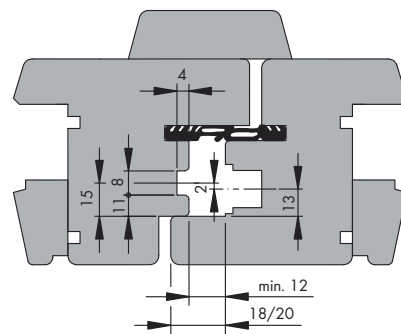
Secondary sash with Eurogroove 7/8x4

Airgap:	min. 12 mm, circumferential
Rebate width:	18/20 mm
Groove axis:	9 mm



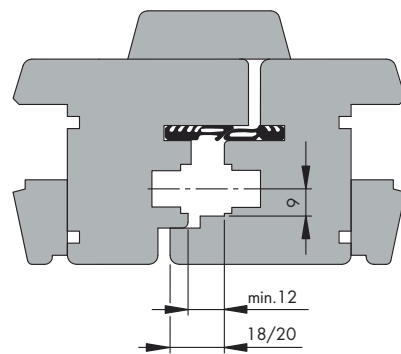
Secondary sash with Eurogroove 11/8x4

Airgap:	min. 12 mm, circumferential
Rebate width:	18/20 mm
Groove axis:	13 mm



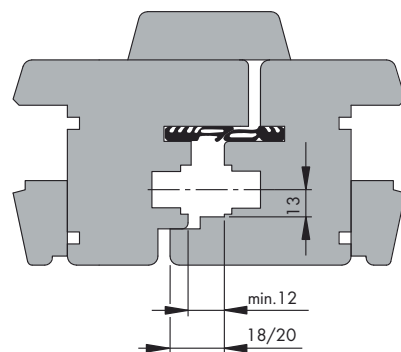
Secondary sash with opposed fitting groove

Airgap:	min. 12 mm, circumferential
Rebate width:	18/20 mm
Groove axis:	9 mm



Secondary sash with opposed fitting groove

Airgap:	min. 12 mm, circumferential
Rebate width:	18/20 mm
Groove axis:	13 mm

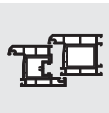


Note:

For profile-related specifications please refer to the SIEGENIA profile datasheets.

Attention:

The specifications of DIN 68 121 (timber profiles for windows and portal windows) apply to SIEGENIA fittings.



Important instructions for fabricators

Prior and applicable documents

The following documents take precedence over and/or are applicable with this document:

- Guidelines regarding product liability (TBDK, VHBH, VHBE, FPKF, FBDF)
- Application range diagrams
- Operating, care and maintenance instructions

References to these documents can be found in the "General" section H45.TITA000S002.

Systems

The size ranges that are specified are binding for the hardware solutions that are included in this document. The following specifications must also be adhered to:

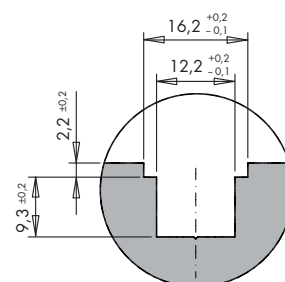
• PVC windows

The specifications of the profile fabricators or system providers also apply, especially in regard to possible restrictions on sash dimensions, sash weight and lock spacing. Where special manufacturing instructions or fabrication guidelines exist, these must be explicitly adhered to. The specifications given for screw-in revolutions and torques must be adhered to.

• Timber windows

The specifications of DIN 68 121 (timber windows and window doors).

• Required eurogroove



Area of application

All hardware solutions are intended for installation on **inward** opening windows and portal doors.

The specified steel hardware components are electro-galvanised and then finished using a special process. They are not suitable for use:

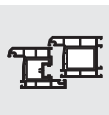
- In damp locations
- In environments where the air contains aggressive, corrosive components
- In environments where the air contains salt
- With timbers containing aggressive substances

Please contact your SIEGENIA sales consultant in such situations.

Hardware solutions

The illustrations below of hardware solutions for intruder resistance on single and double-sash windows and window doors are **recommendations** only.

Special measures must be taken in order for test certificates to be obtained, depending on the regulation/test standard and target resistance class, with regard to the type of timber, profiling, reinforcement, weather strip bar, how the weather strip bar is connected and the hardware.



Intended use Overview

TITAN

Hardware solutions

The specifications relating to this in the "Anti-intruder features of a PVC window", or "Anti-intruder features of a timber window" section and the information about DIN EN 1627 - 1630 in the "Security and Standards" section must be observed. Contact SIEGENIA in individual cases with respect to appropriate testing versions.

Excessive strain

Bearing components can break as a result of excessive strain. If this happens, the window sash may fall out, leading to serious injuries. If the hinge parts are likely to be subject to excessive strain under certain conditions (use in schools, nursery schools, etc.), appropriate measures must be taken to prevent this from happening, such as using a friction stay to limit the opening angle of the window, or using a turning lock.

If there is any doubt, be sure to consult your SIEGENIA sales consultant.

Complete set of hardware

Your complete set of hardware should be composed of **solely** SIEGENIA hardware components. Otherwise damage could occur, for which we accept no liability.

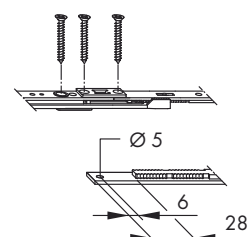
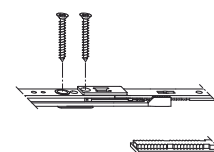
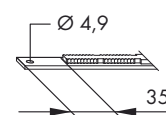
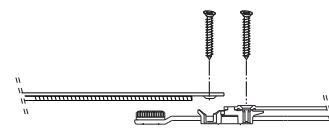
Mounting the hardware components

All hardware components must be mounted properly. When doing so, pay particular attention to the mounting position and ensure that all hardware components on the hinge side are firmly attached. The top hinge pin must be pushed in up to the stop **from below**, and snapped into the springs of the top hinge. Pull out the top hinge pin only with a suitable assembly key.

These procedures must be carried out by experienced professionals only.

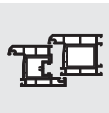
Connecting the hardware components

- TITAN iP linkage cut
- TITAN AF/FAVORIT cut to length
- FAVORIT linkage cut



Mounting the hardware components

- Handle: countersunk screws M 5 x .. In accordance with DIN 965-4.8; the screws should be long enough that they engage a minimum of 6 mm into the screw thread of the gear casing. The maximum torque should not exceed 2 Nm.



Intended use Overview

TITAN

Mounting the hardware components

- Remaining hardware components:
 - Screws 4 x 25 or 30 for PVC windows
 - Screws 4 x 30 for timber window (pre-drilling is required for softwoods)
Countersunk screws with partial thread 4 x 25 or 30 must be used to mount all hardware components in the vertical secondary sash area on secondary sash windows.
- Screw material:
 - Do not overwind zinc-coated and passivated surfaces for "Titanium Silver" screws
 - With a Zn-Ni or Deltatone with Delta Seal surface for "E-look" to avoid contact corrosion.
- To obtain a test certificate, it is necessary for the S-RS striker plates and tilt lock bearing to be connected in a particular way.
- **Do not overtighten the screws.**

Timber surface treatment

Timber windows and door elements should only be surface treated **before** the hardware components are assembled. Treating these surfaces at a later stage can reduce the functional capacity of the hardware components.

Inserting blocks

When inserting blocks, be sure to observe technical guideline no. 3 from the German Glazing Trade [Glaserhandwerk], "Blocking glazing units" [Klotzung von Verglasungseinheiten].

Sealants

Never use acid cure sealants as they may cause the hardware components to corrode.

Cleaning

Keep the rebates free from deposits and dirt, especially from remnants of cement and plaster. Avoid exposing the hardware directly to water and do not let cleaning agents come into contact with the hardware.

Information for end users

If required, affix the user information "Label for protection of hardware" (order no. H4001.2806) to the installed window or door element in a place that can be seen easily.

Provide the user with the following documents:

- Operating and Care Instructions (order no. H4002.2874de)

Technical changes

We reserve the right to make technical changes required as a result of the further development of products or a change in standards, laws or jurisdiction. We assume no liability for printing errors.

Exclusion of liability

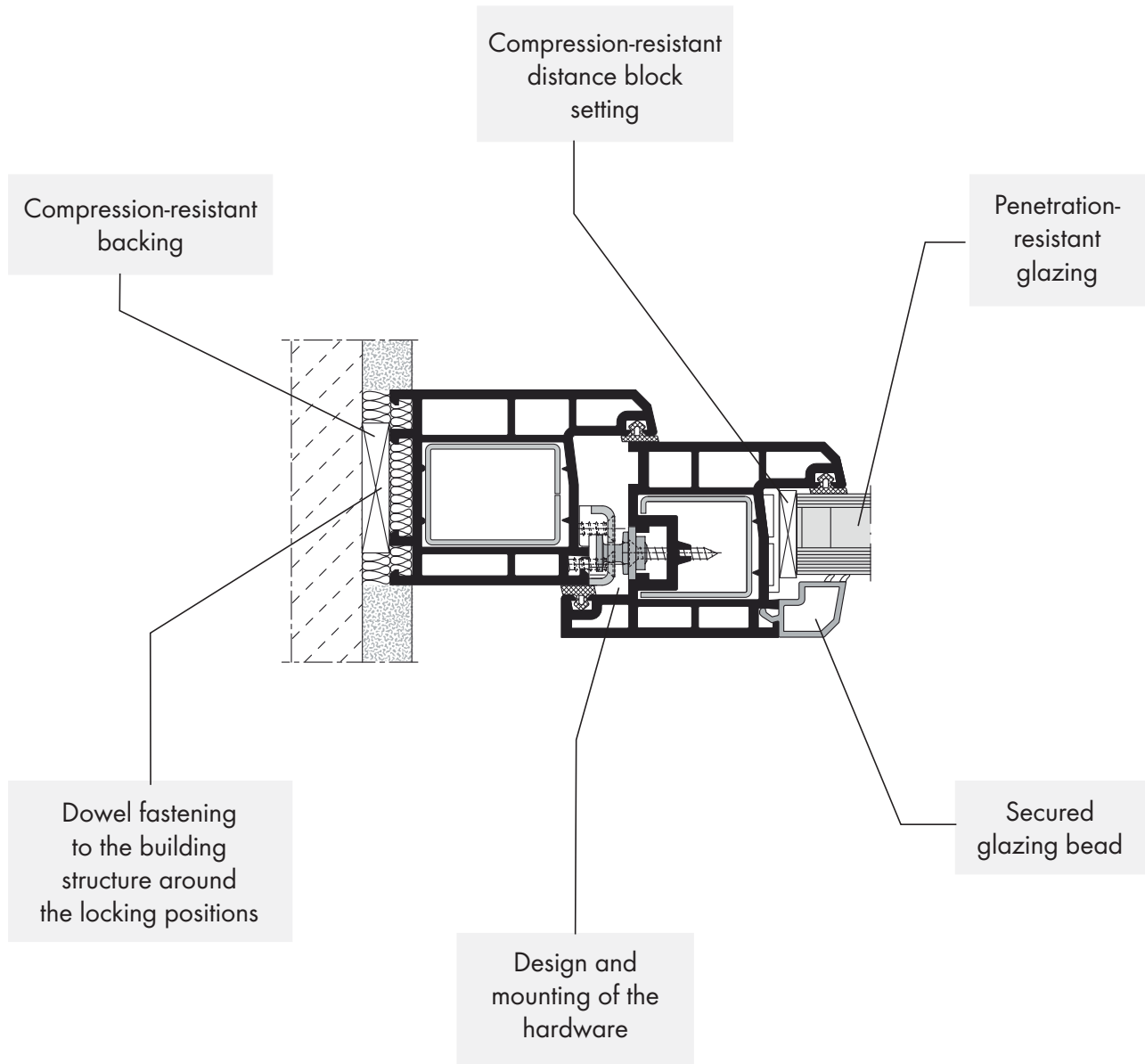
We assume no liability for loss of function and damage to the fittings (as well as the windows and portal doors that are equipped with them) resulting from inadequate tendering, failure to follow this manual or which result from force being applied to the hardware (e.g. through improper use).

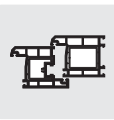


Intended use
PVC windows

TITAN

Anti-intruder features of a PVC window





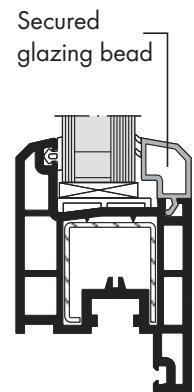
Intended use PVC windows

TITAN

DIN EN 1627 ff – RC1

Glazing rebate

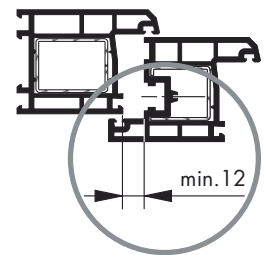
The glazing beads should be secured according to requirements (e.g. by screw connections, adhesive bonding, etc.).



Cavity

The cavity dimension which is specified in the SIEGENIA-AUBI profile datasheet for the corresponding plastic profile system must be adhered to.

It must not be exceeded, nor must it fall below the limit.



Striker plates and tilt lock bearings

The S-RS striker plates must be positioned in such a way that the locking cams catch in the striker plates as much as possible.

The screw length must be selected so that the S-RS striker plates and tilt lock bearings are screwed into two walls if possible.

If it is possible to screw into steel bracings, self-drilling screws with \varnothing 3.9 mm should be used. The length must be selected so that the screws can be screwed into the bracing by 8 to 10 mm.

If a frame groove is available, it should be sealed with a cover profile.

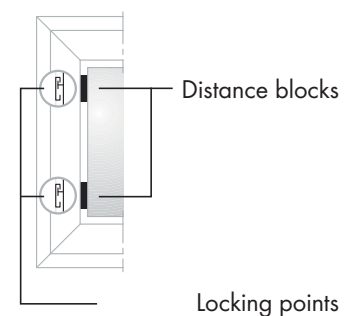
Suitable window screws

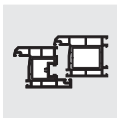


S-RS striker plate

Inserting blocks

To prevent the sash profile from moving in the glazing rebate, the glass pane must also be set with blocks close to the security latching positions (distance blocks).





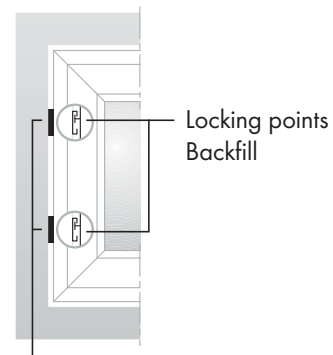
Intended use PVC windows

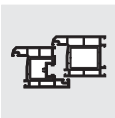
TITAN

Wall mounting

The cavity between the frame and the brickwork near the locking points must be back-filled to be compression resistant.

When fixing the window elements, special steps must be taken with regard to the distance between fixing points, the edge spacing and the wall construction, depending on requirements.





Intended use
PVC windows

TITAN

DIN EN 1627 ff – additional information for RC2

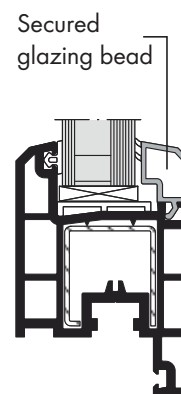
Window frame

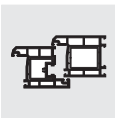
To ensure that the sash can only move minimally within the window frame, distance blocks must be mounted in the corner areas of the window frame (see also hardware layout).

At the same time, however, this must not restrict the options available for adjusting the fittings.

Glazing rebate

The glazing beads **must** be secured according to requirements (e.g. by screw connections, adhesive bonding, etc.).





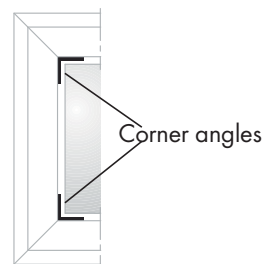
Intended use
PVC windows

TITAN

DIN EN 1627 ff – additional information for RC3

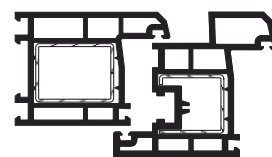
Glazing rebate

The four corners of the sash frame must also be screwed into the glazing rebate with steel brackets. These steel brackets prevent the mitre joints from breaking apart in the event of a break-in attempt.



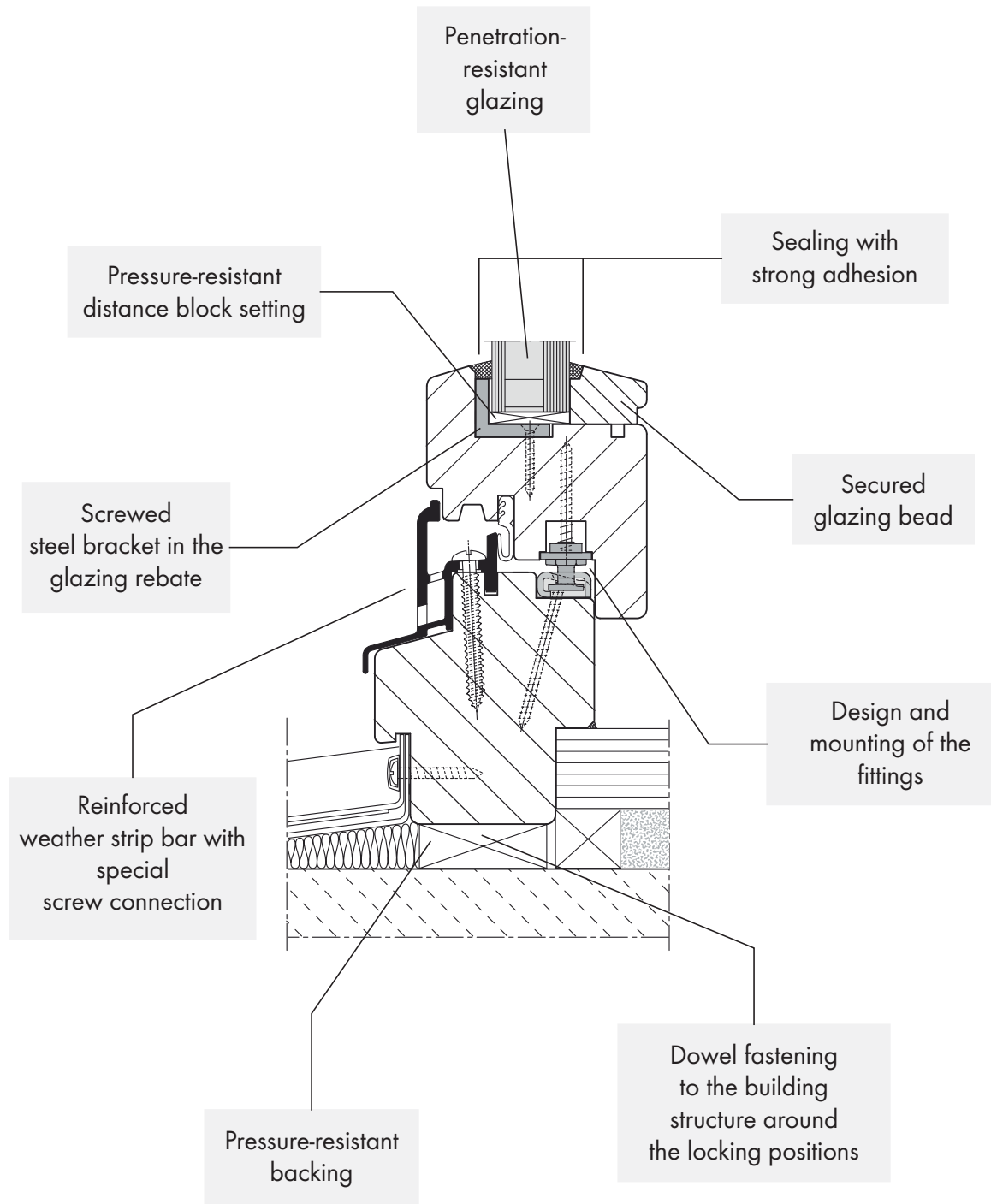
Profile system

Flush profile systems are generally better suited to the design of anti-intruder windows as they offer fewer opportunities for the intruder's tools to be used.





Anti-intruder features of a timber window





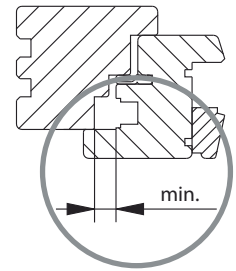
Intended use Timber windows

TITAN

DIN EN 1627 ff – RC1

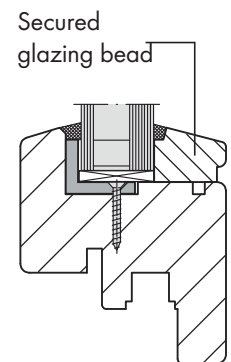
Airgap

The airgap which is specified in the SIEGENIA-AUBI profile datasheet for the corresponding system must be adhered to. It must not be exceeded, nor must it fall below the limit.



Glazing rebate

The glazing beads should be secured according to requirements (e.g. by screw connections, adhesive bonding, nailing, etc.).



Construction material

Only timber which meets the following requirements may be used for anti-intruder window elements:

- No knots with a diameter of more than 2 mm
- No cracks
- No other defects

enthält.

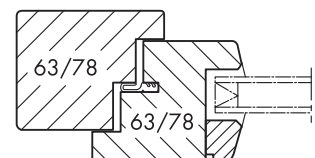
The type of timber used must have at least the following gross density:

- 0.55 g/cm³ for hardwoods
- 0.45 g/cm³ for softwoods

The annual ring widths must not exceed 4 mm on softwoods.

Profile cross-section

In order to create the worst possible conditions for the lever tool, the minimum profile cross-section used must be IV 63/78 in accordance with DIN 68 121.



Weather strip bar

RC1 does not place any particular requirements on the weather strip bar.

However, the following must be observed with regard to fixing:

- The distance between screws should be 300 mm maximum
- Corner spacing 50 to 100 mm

Striker plates

The S-RS striker plates must be positioned in such a way that the locking cams catch in the striker plates as much as possible.



Intended use

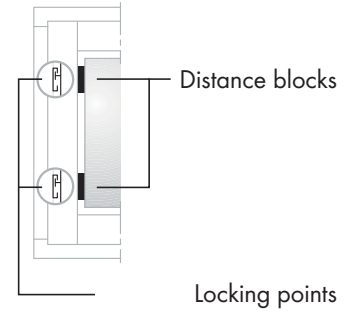
Timber windows

TITAN

Inserting blocks

To prevent the sash profile from moving in the glazing rebate, the glass pane must also be set with blocks close to the security latching positions (distance blocks).

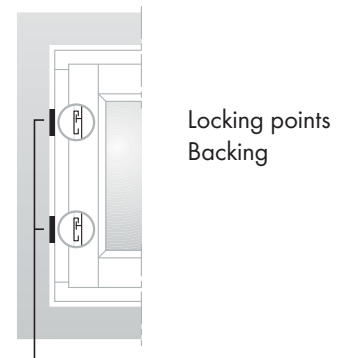
The distance blocks must be at least 100 mm long.



Wall mounting

The hollow space between the frame and the brickwork near the locking points must be back-filled to be pressure resistant.

When fixing the window elements, special steps must be taken with regard to the distance between fixing points, the edge spacing and the wall construction, depending on requirements.





Intended use Timber windows

TITAN

DIN EN 1627 ff – additional information for RC2

Window frame

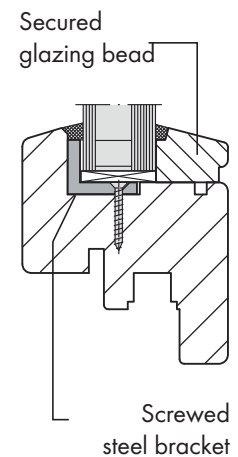
To ensure that the sash can only move minimally within the window frame, distance blocks must be mounted in the corner regions of the window frame (see also hardware layout).

At the same time, however, this must not restrict the options available for adjusting the fittings.

Glazing rebate

The glazing beads **must** be secured according to requirements (e.g. by screw connections, adhesive bonding, nailing, etc.).

To prevent the washer from being pulled out, steel brackets should be screwed into the glazing rebate in sections or continuously. These steel brackets must be screwed offset into the glazing edge area.



Construction material

The type of timber used must have the following gross densities as a minimum:

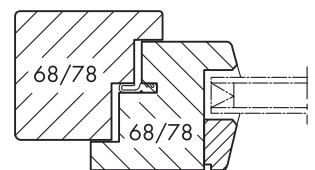
- 0.60 g/cm³ for hardwoods
- 0.50 g/cm³ for softwoods

If possible, a type of timber harder than meranti should be used as the bulk density is usually lower due to the large fluctuation range.

The annual ring widths must not exceed 3 mm on softwoods.

Profile cross-section

In order to produce the worst possible conditions for the lever tool, the minimum profile cross-section used must be IV 68/78 according to DIN 68 121.





Intended use Timber windows

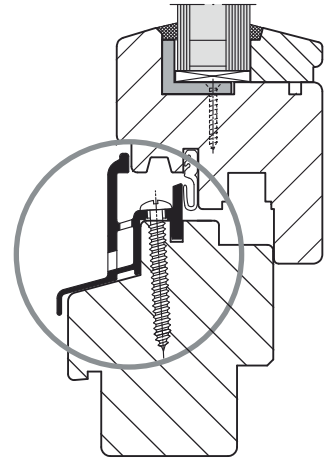
TITAN

Weather strip bar

Special anti-intruder weather strip bars must be integrated in order to provide appropriate resistance to the intruder's tools. They are characterised by thicker walls and a special screw connection.

The external limit stop may warp a maximum of 3 to 6 mm at a force of 1 kN.

- Mounting with round head or cheese head screws 5 x 60 mm
- The distance between screws should be 300 mm maximum
- Corner spacing 50 to 100 mm



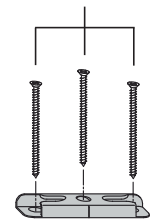
Striker plates and tilt lock bearings

The SL-RS striker plates must be positioned in such a way that the locking cams catch in the striker plates as much as possible.

SL-RS striker plates and tilt lock bearings must be screwed with stop screws which are at least 45 mm long.

Pre-drilling is required for hardwoods (0.7 x d).

Suitable window
screws
4 x 45



SL-RS striker plate

Sealing

To make it difficult to remove the sealed glass, it is important to select a glass sealant which has as much adhesion force as possible. Two-component sealants are particularly suitable for this.



Intended use
Timber windows

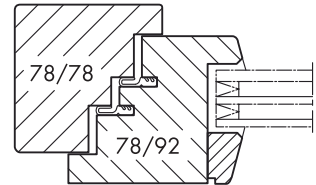
TITAN

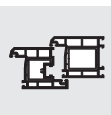
DIN EN 1627 ff – additional information for RC3

Construction material The type of timber used must have the following gross densities as a minimum:

- 0.65 g/cm³ for hardwoods
- 0.50 g/cm³ for softwoods

Profile cross-section In order to produce the worst possible conditions for the lever tool, the minimum profile cross-section used must be IV 78/92 according to DIN 68 121.





Requirements and national specifics for DIN EN 1627:2011-09

DIN EN 1627ff

After a draft standard period of 12 years, the EN 1627ff series of standards was published as DIN EN 1627ff in September 2011.

The key changes refer to the description of the resistance classes and the test procedure for resistance class 1.

Widerstandsklassen (resistance classes) WK1 - 6 are referred to as resistance classes (RC) in the final version of the standard.

The number of resistance classes has not changed (RC1 - RC6).

The standard governs the requirements and classifications with respect to the anti-intruder features of windows, doors, curtain walling, grilles and shutters.

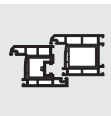
It is valid for the following types of openings: turning, tilting, folding, tilt & turn, swinging, sliding (horizontally and vertically) and roller, as well as structures that do not open.

Resistance class RC2 has been split into two separate classes (RC2N and RC2).

The suffix "N" in classes RC1N and RC2N represents the possibility that national requirements may have to be taken into account.

No requirements are made in these classes with respect to glazing in the German version of EN 1627. Nevertheless, the glass must be connected in the manner in which it has been tested.

SIEGENIA-AUBI level	Standard/Directive	Test class	Striker plate	Handle	Drilling protection	Glazing
Basic security	-	-	Standard	Standard	No	No requirements
RC1	DIN EN 1627	RC1N	S-RS	Lockable 100 Nm	Yes	No requirements
RC2	DIN EN 1627	RC2N	S-RS	Lockable 100 Nm	Yes	No requirements
		RC2				EN356, P4A
RC3	DIN EN 1627	RC3	S-RS	Lockable 100 Nm	Yes	EN356, P5A



Glazing

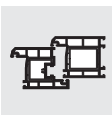
Minimum requirements for glazing

Test class	Glazing in accordance with EN 356
RC1N	No requirements
RC2N	No requirements
RC2	P4A
RC3	P5A
RC4	P6A
RC5	P7A
RC6	P8A

Requirements for glazing the test specimen

For the test, the test specimens are to be fitted with glazing in accordance with EN 356. In order to protect the tester, the safety glass should be placed on the attack side.

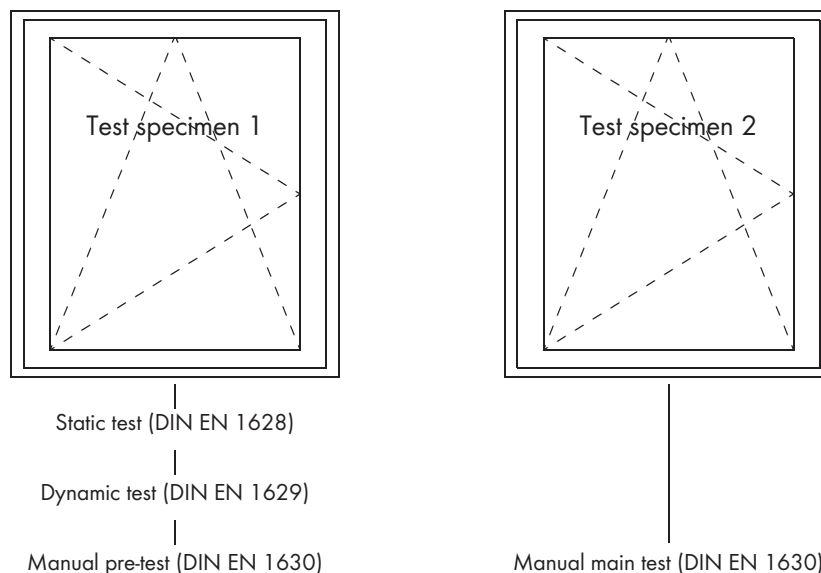
Test class	Glazing in accordance with EN 356
RC1N	P4A
RC2N	P4A
RC2	P4A
RC3	P5A
RC4	P6A
RC5	P7A
RC6	P8A



Test specimens

Two identical test specimens are required for the test in accordance with DIN EN 1627ff.

- Test specimen 1 is used for the weak point analysis.
- Test specimen 2 is used for the main test subject to the weak point analysis.

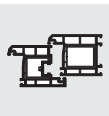


Test method

The established breakdown of the test method into static, dynamic and manual tests presented in the draft standard has essentially remained the same.

- DIN EN 1628 static test method
- DIN EN 1629 dynamic test method
- DIN EN 1630 manual test method

Changes have however been made to the individual test methods.



Security and standards

TITAN

DIN EN 1628

DIN EN 1628 describes the test method for determining the resistance of a construction product under static loading.

Depending on the resistance class, this involves defined forces being applied to specific points in order to determine the deflection of the movable part of the construction product.

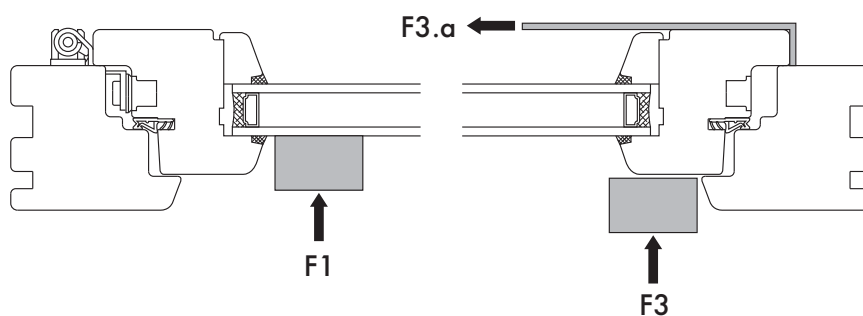
In contrast to the draft standard, the deflection is no longer measured but is determined using gap gauges instead.

	Resistance class (RC)							
	RC1 and RC2		RC3		RC4		RC5 and RC6	
Loading points	Test load kN	Gap gauge type	Test load kN	Gap gauge type	Test load kN	Gap gauge type	Test load kN	Gap gauge type
F1 Infill corner	3	B	6	B	10	B	15	B
F2 Leaf/sash corner	1.5	B	3	B	6	B	10	B
F3 Locking points	3	A	6	A	10	A	15	A
F3.a Additional load	1.5	A	-	-	-	-	-	-

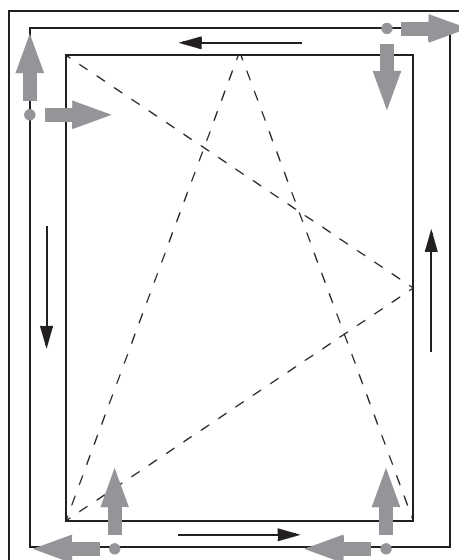


Loading points

- F1 Infill corners
Load is to be applied to each infill corner.
- F2 Leaf/sash corners
Load is applied to the corners of the leaf/sash if the next locking point is more than 350 mm away from the corner.
- F3 Locking points
Each locking point is loaded to F3. If two locking points are less than 200 mm apart, the load is applied midway between them.
Locking points are all connection points between window and leaf/sash frames, including hinges.



- F3.a Locking points (only for resistance class RC1N)
Load F3.a is applied in conjunction with load F3 on the flat of the test specimen (reproducibility of an attack using small lever tools)
The load is applied against the locking direction in a way which increases the airgap.



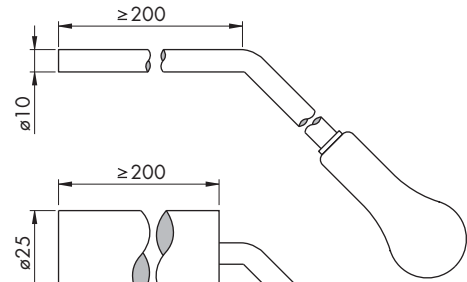
- Locking point
- Locking direction
- ➔ Load direction F3.a



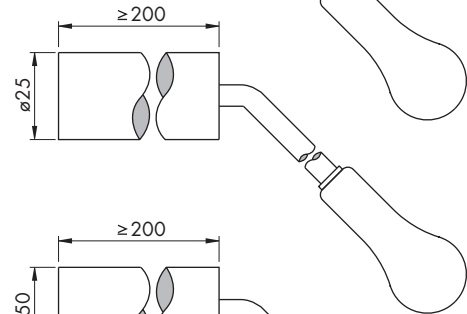
Gap gauges

Gap gauges for testing deflection

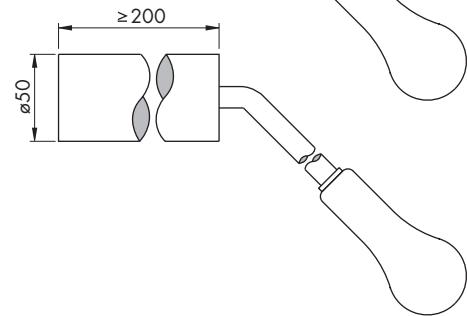
Type A (ø 10 mm)



Type B (ø 25 mm)



Type C (ø 50 mm)



The type C gap gauge is used for group 3 products (e.g. shutters).

DIN EN 1629

DIN EN 1629 describes the dynamic test method for the elements.

The test aims to simulate attacks made by people who attempt to use their shoulders or feet to create an accessible opening.

For products in resistance class 1, all parts are also dismantled on the attack side, in a non-destructive manner, using tool set A1 prior to carrying out the dynamic test. This preparatory procedure must not take longer than 3 minutes.

Whereas in DIN V ENV 1629 the test was carried out using a 30 kg sandbag, the new DIN EN 1629 standard uses a 50 kg impactor.

For this test, safety glazing (P4A in accordance with EN 356) should be placed on the load side.

The dynamic test is only carried out in resistance classes RC1 to RC3.

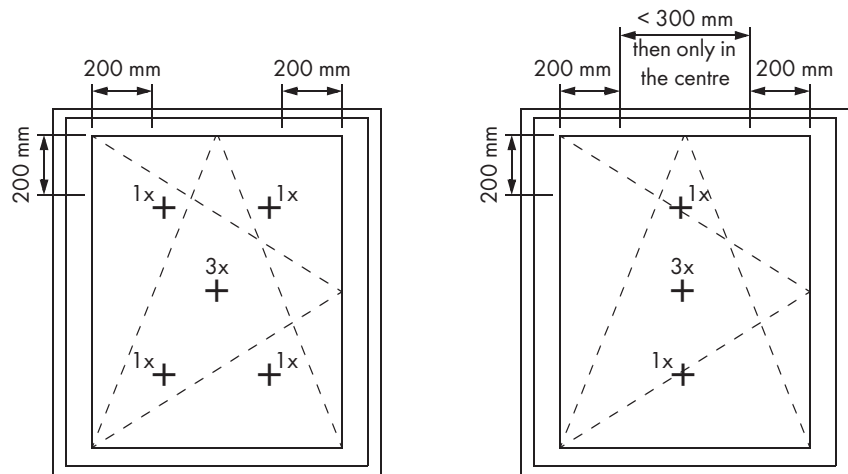
Dynamic testing is not required in resistance classes RC4 to RC6.



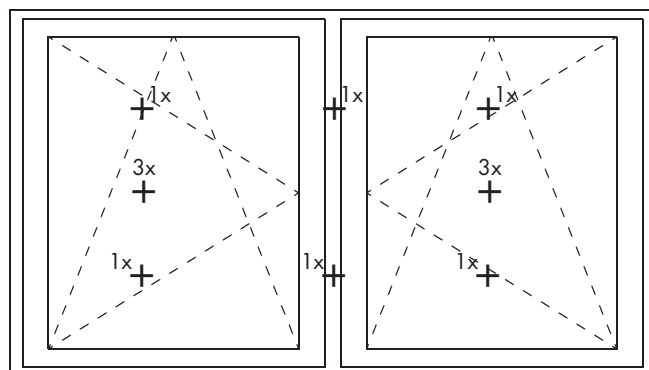
Due to the increased weight of the pendulum impact, the drop height has been reduced.

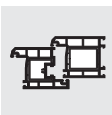
Test class	Drop height in mm	Weight of the impactor in kg
RC1N	450	50
RC2N		
RC2		
RC3	750	
RC4 to RC6	No dynamic test required	

The impact load is applied once at each corner of the infill and three times in the centre of the test specimen.



On secondary sashes, the individual infill panels are only impacted on the centreline. The secondary sash area is also tested.





Evaluating the results of the dynamic test

The test specimen has not passed the test if gap gauge D can be passed through the opening that has formed in the test specimen.



DIN EN 1630

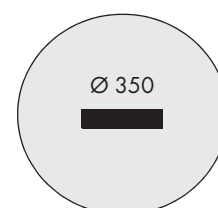
DIN EN 1630 describes how resistance to manual intrusion attempts is determined.

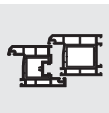
The test specimens are installed in a sub-frame.

Depending on the resistance class, the tester has various tool sets available in order to create an accessible opening.

The resistance time includes periods of fewer than 5 seconds for each time the tester changes tools.

The following analysis templates are used to determine an accessible opening.

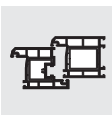




Break-in testing according to DIN EN 1627:2011

A specific procedure, a resistance time and a specific tool set is stipulated for each resistance class for the break-in test.

Resistance class DIN EN 1627:2011	Type of intruder/procedure/tools	Resistance time
RC1N	A manipulation test is carried out using small tools, components of this resistance class only have low protection against the use of lever tools. This class is conducted with standard glass.	3 minutes
RC2N	The intruder also attempts to force the locked and bolted component open using simple tools such as screwdrivers, pliers and wedges. A direct attack on the glazing used is unlikely. This class is also conducted with standard glass.	3 minutes
RC2	The intruder also attempts to force the locked and bolted component open using simple tools such as screwdrivers, pliers and wedges. Glazing in accordance with EN 356 is compulsory from class RC2.	3 minutes
RC3	The intruder also attempts to force the locked and bolted component open using a second screwdriver and a crowbar.	5 minutes
RC4	The experienced intruder also uses sawing tools and striking tools such as an axe, a crowbar, a hammer and chisel and a cordless drill.	10 minutes
RC5	The experienced intruder also uses power tools such as a drill, a jig saw or sabre saw and angle grinder (max. disc diameter 125 mm).	15 minutes
RC6	The experienced intruder also uses heavy-duty power tools such as a drilling machine, a jig saw or sabre saw and angle grinder (max. disc diameter 230 mm).	20 minutes

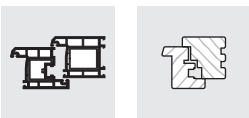


Correlation

If the body issuing the invitation to tender announces the elements as anti-intruder elements in accordance with DIN EN 1627 - Resistance Class RC2, then, by referring to the correlation table, an existing test certificate to DIN V ENV 1627 - Resistance Class RC2 can be used.

Apart from for resistance class RC1N, it is assumed that products that were classified as resistance class RC2 – RC6 correspond to the same classes in the standard DIN EN 1627.

Resistance classes (RC) in accordance with DIN EN 1627:2011-08	Resistance classes (RC) in accordance with DIN V ENV 1627:1999-04
RC1N	No correlation possible
RC2N	WK2 (free choice of glazing - glass connection as tested)
RC2	WK2
RC3	WK3
RC4	WK4
RC5	WK5
RC6	WK6

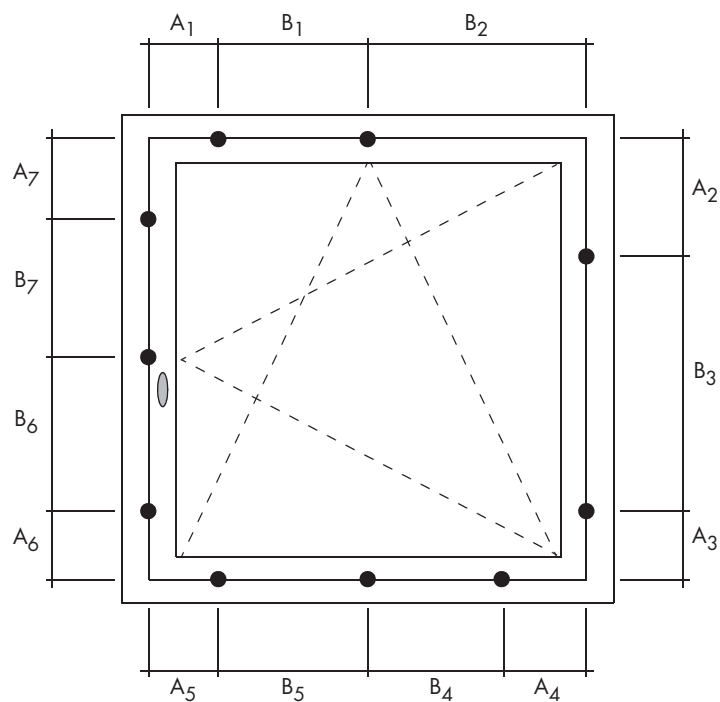


Dimensions

The classification of a product is only valid for the dimensions that were actually tested.

A selection of test specimens is required if a product system is to be assessed.

Using the rule of extrapolation, the tested dimensions can be extended or reduced within their limits without the need to carry out a test.



Key

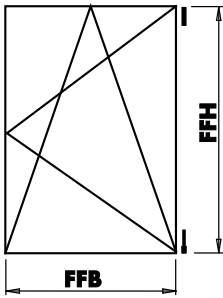
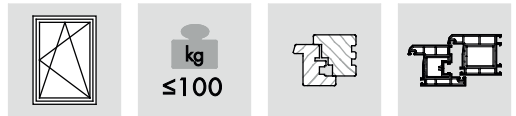
A₁ ... A₇ +5%, -20%

B₁ ... B₇ +5%, -30%

Surface area ±25%

Application diagram

Surface-mounted hinge



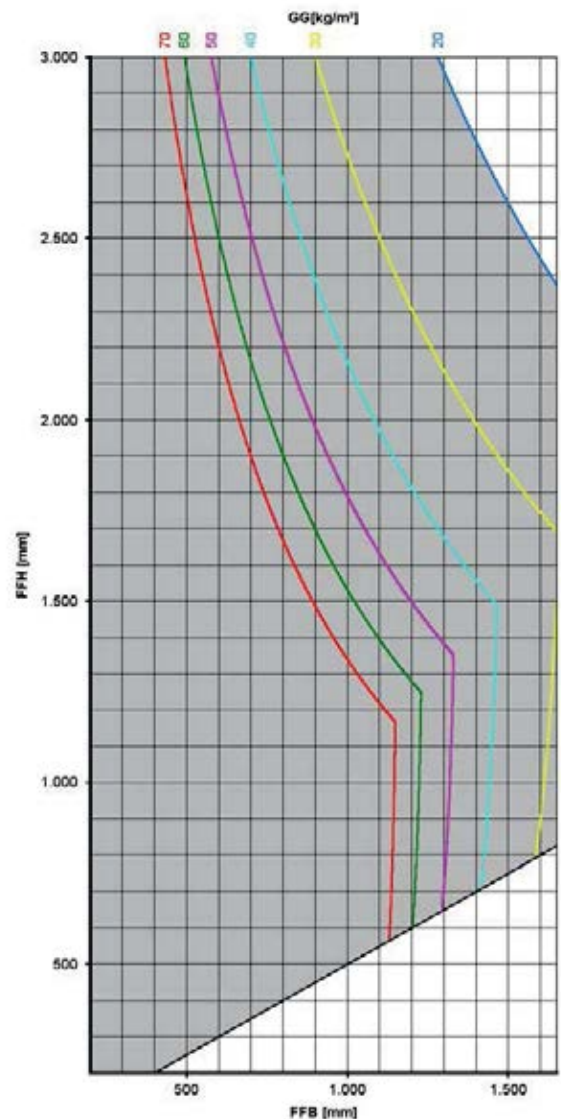
Restrictions on sash formats for tilt and turn elements
Hinged on the right or left – inward opening window units only
For vertical installation of windows in vertical walls only

Testing and calculation specifications:

- Tilt & turn testing in accordance with QM 328 Appendix 2 - Figure A:
 - 15,000 tilt & turn cycles
 - 10,000 turn cycles
- Additional loads in accordance with EN 14608 (Figure A.1) / Class 4 in accordance with EN 13115 (800 N)

Requirements for the use of the application diagram:

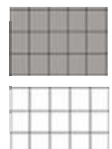
- Proof that the load-bearing components have been mounted to the window system by the window manufacturer in accordance with TBDK using the following forces:
 - To the top hinge with 2,710 N
 - To the bottom hinge with 2,890 N
- The following values must be adhered to for all window systems:
 - Max. width-to-height ratio $Q_{w/h} \leq 2.0$
 - Reduction in glass size $CG \geq 28$ mm
 - Profile weight $PW \leq 3.25$ kg/m
- Observe the notes on proper use - technical principles and use of the application diagrams (see document H58.AWD_BG_EN)!

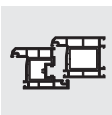


FFH = sash rebate height
 FFB = sash rebate width

permissible application range

impermissible application range





2 - Directory

Installation instructions PVC

Fixed handle position

FAVORIT

Vertical tilt point

Basic security

1-sash square tilt-turn	H48.FAVKFKOS001EN	2 - 3
2-sash square tilt-turn/turn shoot bolt	H48.FAVKFKOS002EN	2 - 7

Horizontal tilt point

Basic security

1-sash square tilt-turn	H48.FAVKFKOS003EN	2 - 15
2-sash square tilt-turn/turn DS 16	H48.FAVKFKOS013EN	2 - 19
2-sash square tilt-turn/turn shoot bolt	H48.FAVKFKOS006EN	2 - 27

Tilt before turn (TBT)

1-sash square tilt before turn (TBT)	H48.FAVKFKOS009EN	2 - 35
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Turn only sash

1-sash square turn, Gear DF	H48.FAVKFKOS012EN	2 - 39
1-sash square turn, Gear DK	H48.FAVKFKOS011EN	2 - 43

3P

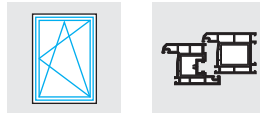
1-sash square tilt-turn	H48.FAVKFKOS007EN	2 - 47
2-sash square tilt-turn/turn DS 16	H48.FAVKFKOS015EN	2 - 51

Tilt before turn (TBT)

1-sash square tilt before turn (TBT)	H48.FAVKFKOS010EN	2 - 59
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FAVORIT

Installation instructions



1-sash square tilt-turn

PVC

none

fixed handle position

Hinge side Si-line

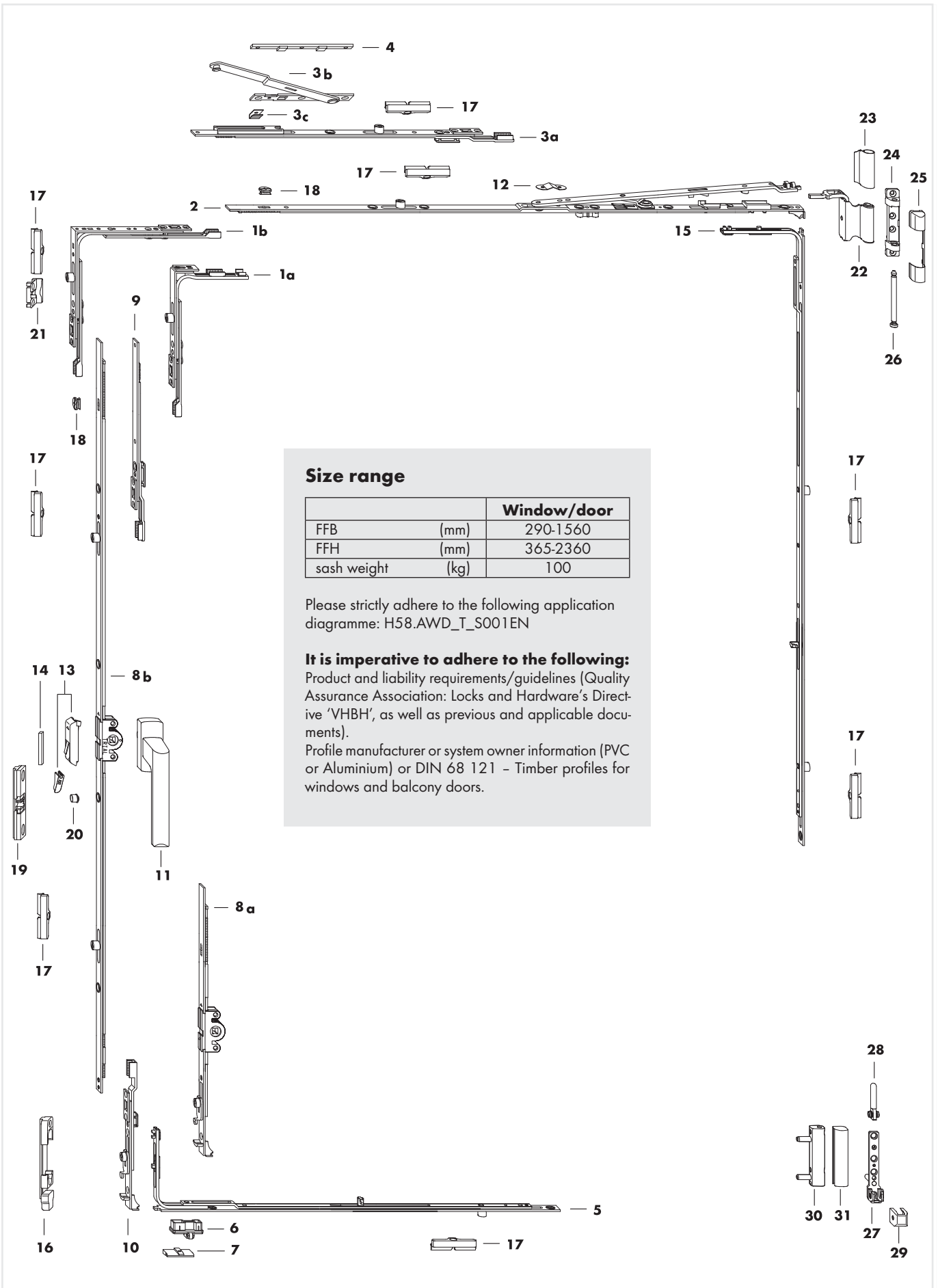
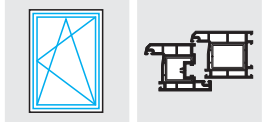
surface TS

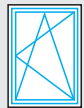
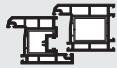
backset 16 mm

Hardware set configuration

<i>General</i>	<i>vertical tilt point</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).





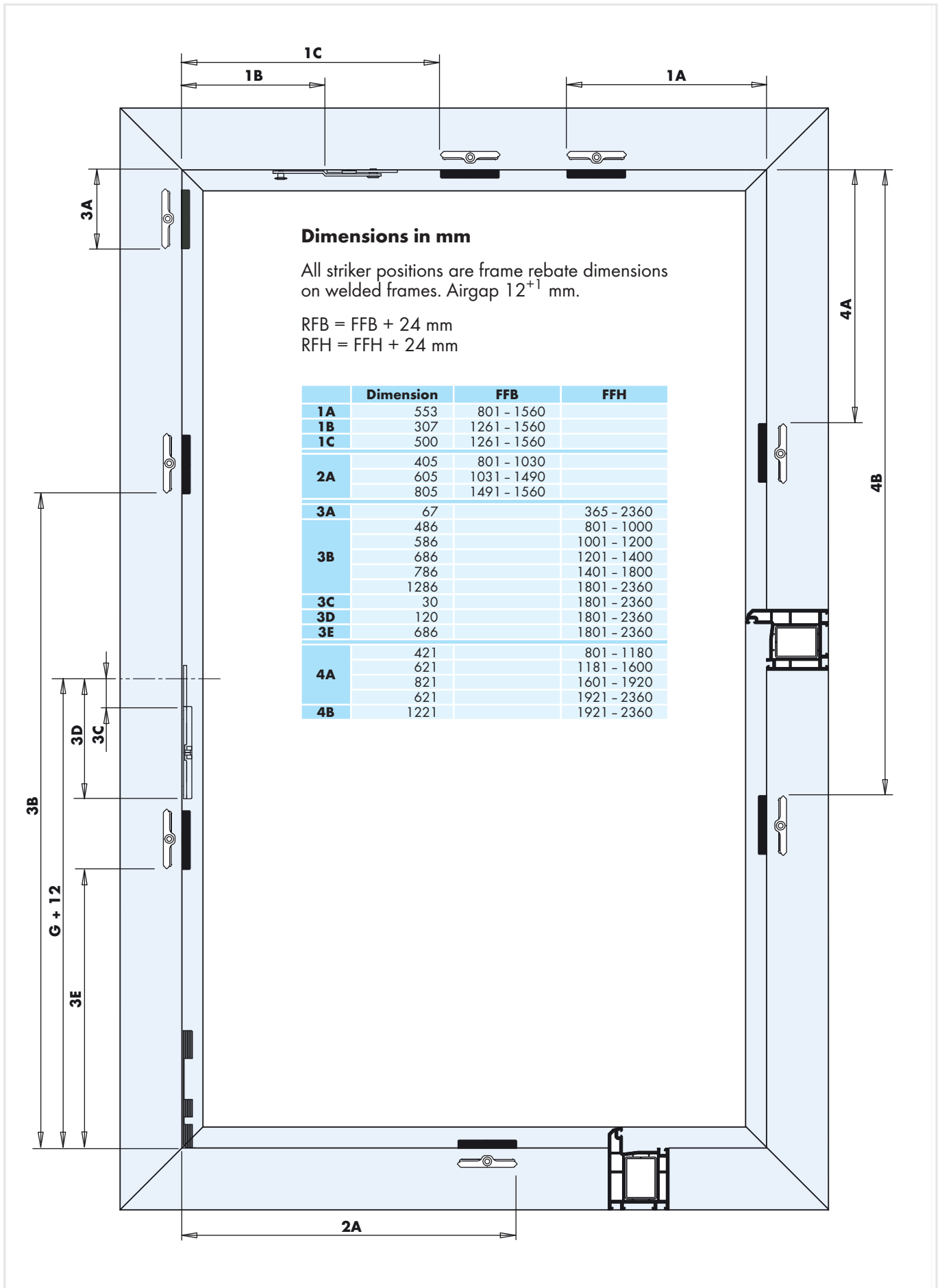
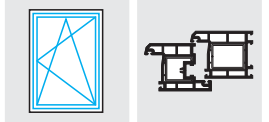
List of fittings

1-sash square tilt-turn
PVC GK Hinge side Si-line

FAVORIT

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							16	17
1a	corn.drive narrow VSO	702925	1	290 - 410				1
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				1
2	stay 7 sz 30	707302	1	290 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				1
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560				
5	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1	801 - 1030				1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1031 - 1490				1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1491 - 1560				1
6	sash lift .. A2000	TFFH0010- ...	1	290 - 800				
7	run-up FH/TiP	Ref. PDB, TRAL	1	290 - 800				
8a	gear 23 sz 40/G125	707050	1		365 - 430	125	1	
	gear 23 sz 50/G190	707067			431 - 600	190	1	
8b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290		
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390		1
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		1
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		1
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		1
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		1
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		2
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090		2
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
10	tilt lock element	701072	1		601 - 2360		1	
11	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
12	tilt restrictor	805701	1		365 - 750			
13	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360			
14	stop	Ref. PDB, FRZF01	1		1801 - 2360			
15	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		801 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
16	tilt striker plate	Ref. PDB, FRKS						
17	striker plate S 56	Ref. PDB, TRSM						
on request								
18	location piece	702543	2					
19	snapper	Ref. PDB, FRZB	1		1801 - 2360			
20	sleeve	Ref. PDB, FFHU	1		1801 - 2360			
21	frame part SP-S	Ref. PDB, FRZL01	1					

Hinge side turning points						
Pos.	Description	Part number	Part number			required as per sash weight 100 kg
			surface TS	RAL9003	RAL8019	
22	stay hinge	Ref. PDB, FBWB				1
23	cover cap W PVC			FKWB0010-002 ...	836200	1
24	top hinge	Ref. PDB, FBLS01				1
25	cover cap S			FKSL0010-002 ...	FKSL0010-011 ...	1
26	top hinge pin diam.6	FBSB0010-1 ...				1
27	bottom hinge	Ref. PDB, FBEL01				1
28	bottom hinge pin diam.7	FBLB0060-1 ...				1
29	cover cap EL U			FKEU0010-002 ...	FKEU0010-011 ...	1
30	corner hinge PVC diam.6x16/16	FBEB0010-1 ...				1
31	cover cap EB			FKEB0020-002 ...	887547	1



FAVORIT

Installation instructions



2-sash square tilt-turn/turn shoot bolt

PVC

none

fixed handle position

Hinge side Si-line

surface TS

backset 16 mm

Hardware set configuration

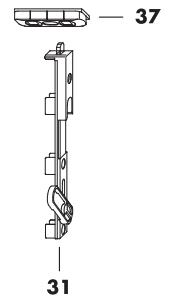
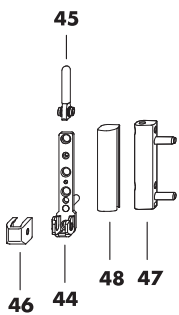
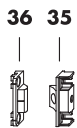
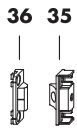
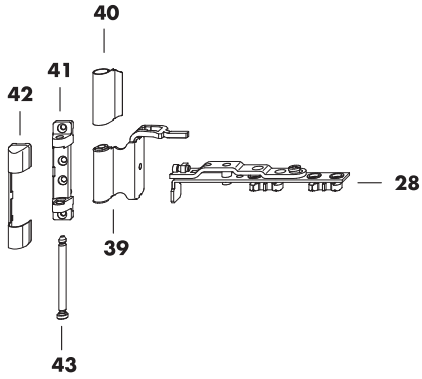
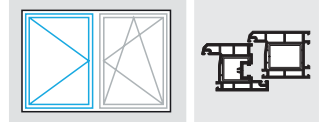
<i>General</i>	<i>vertical tilt point</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).

FAVORIT

hardware layout slave sash

2-sash square tilt-turn/turn shoot bolt
PVC GK Hinge side Si-line



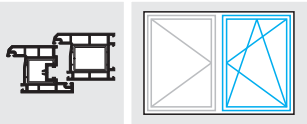
Size range

		Window/door
FFB	(mm)	230-800
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

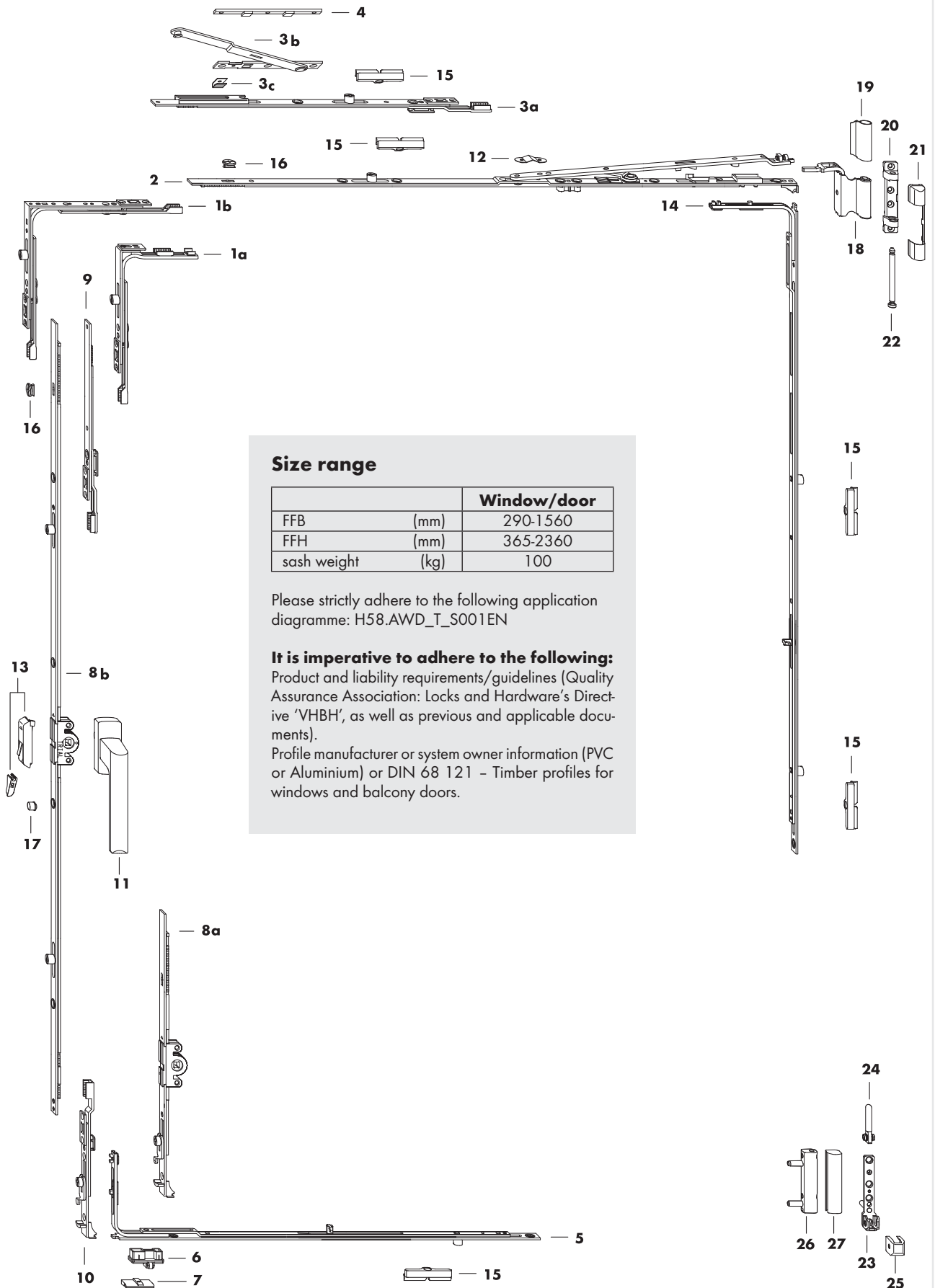
Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



hardware layout main sash

2-sash square tilt-turn/turn shoot bolt
PVC GK Hinge side Si-line

FAVORIT



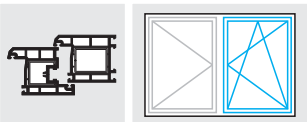
List of fittings slave sash

2-sash square tilt-turn/turn shoot bolt
PVC GK Hinge side Si-line



Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.
						In the main sash	
28	stay 7 DF	707340	1	230 - 800			
29	sash lift .. A2000	TFFH0010- ...	1	230 - 800			
30	run-up FH/TiP	Ref. PDB, TRAL	1	230 - 800			
31	shoot bolt VSO A2000	701195	1		365 - 2360		1
32	shoot bolt VSU A2000	701126	1		365 - 2360		1
33	striker plate 56 A2000	TRSB0030- ...	1		801 - 1000	390	
	striker plate 56 A2000	TRSB0030- ...			1001 - 1200	490	
	striker plate 56 A2000	TRSB0030- ...			1201 - 1400	590	
	striker plate 56 A2000	TRSB0030- ...			1401 - 1800	690	
	striker plate 56 A2000	TRSB0030- ...	2		1801 - 2360	1090	
34	stop 2,2mm	710937	1		1801 - 2360		
35	sash part MV	Ref. PDB, ZFMV01	1		801 - 1600		
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360		
36	frame part MV	Ref. PDB, ZRZM01	1		801 - 1600		
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360		
37	striker V	Ref. PDB, FRZV01					
on request							
38	snapper A2000	709313	1		1801 - 2360		

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
39	stay hinge	Ref. PDB, FBWB			1
40	cover cap W PVC		FKWB0010-002 ...	836200	1
41	top hinge	Ref. PDB, FBSL01			1
42	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
43	top hinge pin diam.6	FBSB0010-1 ...			1
44	bottom hinge	Ref. PDB, FBEL01			1
45	bottom hinge pin diam.7	FBLB0060-1 ...			1
46	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
47	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
48	cover cap EB		FKEB0020-002 ...	887547	1



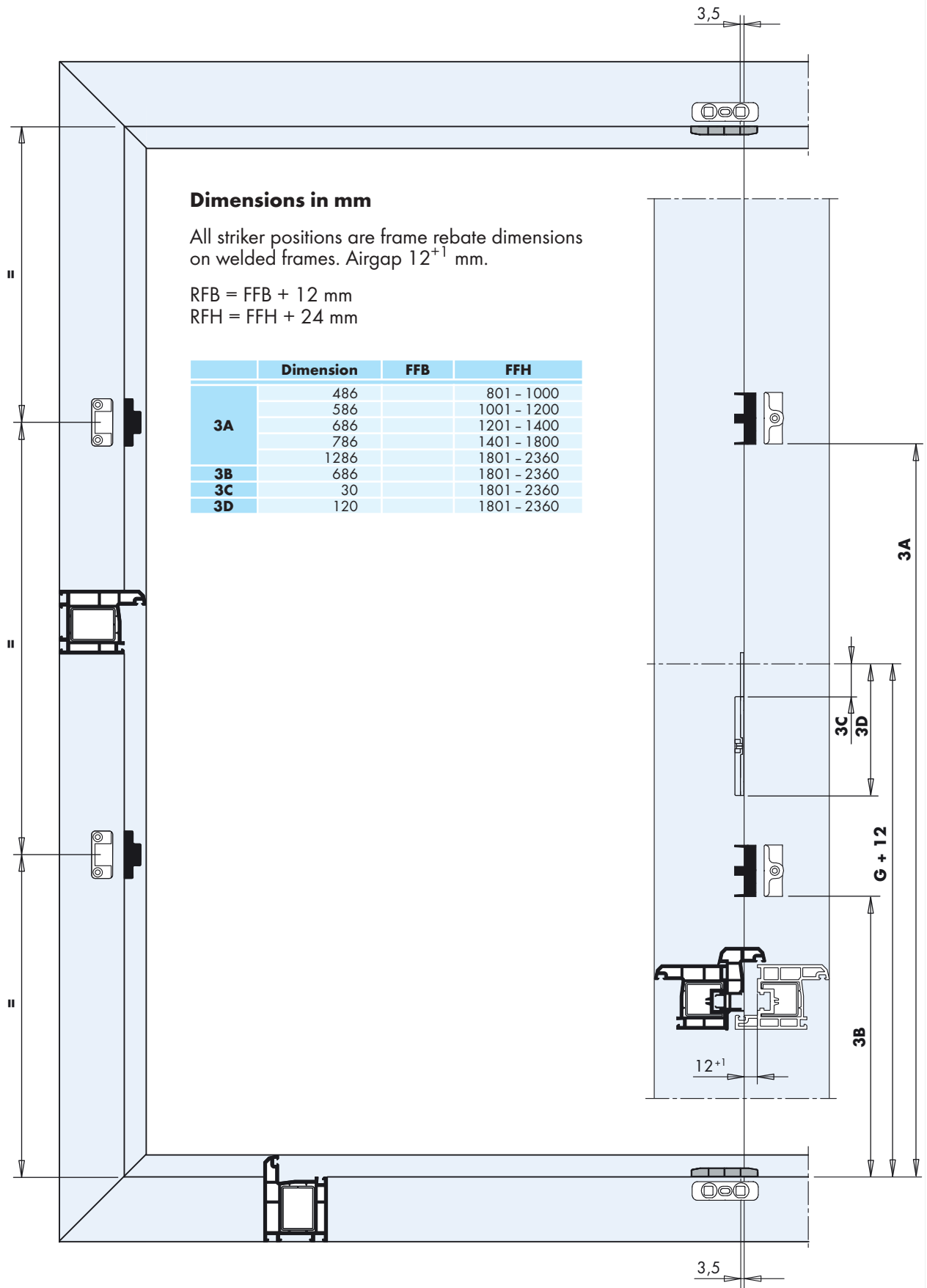
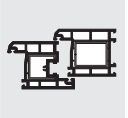
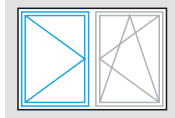
List of fittings main sash

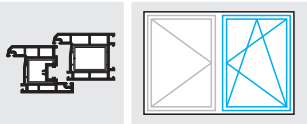
2-sash square tilt-turn/turn shoot bolt
PVC GK Hinge side Si-line

FAVORIT

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							15	
1a	corn.drive narrow VSO	702925	1	290 - 410				
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				
2	stay 7 sz 30	707302	1	290 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				1
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560				
5	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1	801 - 1030				1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1031 - 1490				1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1491 - 1560				1
6	sash lift .. A2000	TFFH0010- ...	1	290 - 800				
7	run-up FH/TiP	Ref. PDB, TRAL	1	290 - 800				
8a	gear 23 sz 40/G125	707050	1		365 - 430	125		
	gear 23 sz 50/G190	707067			431 - 600	190		
8b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290		
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390		
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090		
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
10	tilt lock element	701072	1		601 - 2360			
11	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
12	tilt restrictor	805701	1		365 - 750			
13	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360			
14	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		801 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
15	striker plate S 56	Ref. PDB, TRSM						
on request								
16	location piece	702543	2					
17	sleeve KRL	Ref. PDB, FFHU01	1		1801 - 2360			

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
18	stay hinge	Ref. PDB, FBWB			1
19	cover cap W PVC		FKWB0010-002 ...	836200	1
20	top hinge	Ref. PDB, FBLS01			1
21	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
22	top hinge pin diam.6	FBSB0010-1 ...			1
23	bottom hinge	Ref. PDB, FBEL01			1
24	bottom hinge pin diam.7	FBLB0060-1 ...			1
25	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
26	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
27	cover cap EB		FKEB0020-002 ...	887547	1

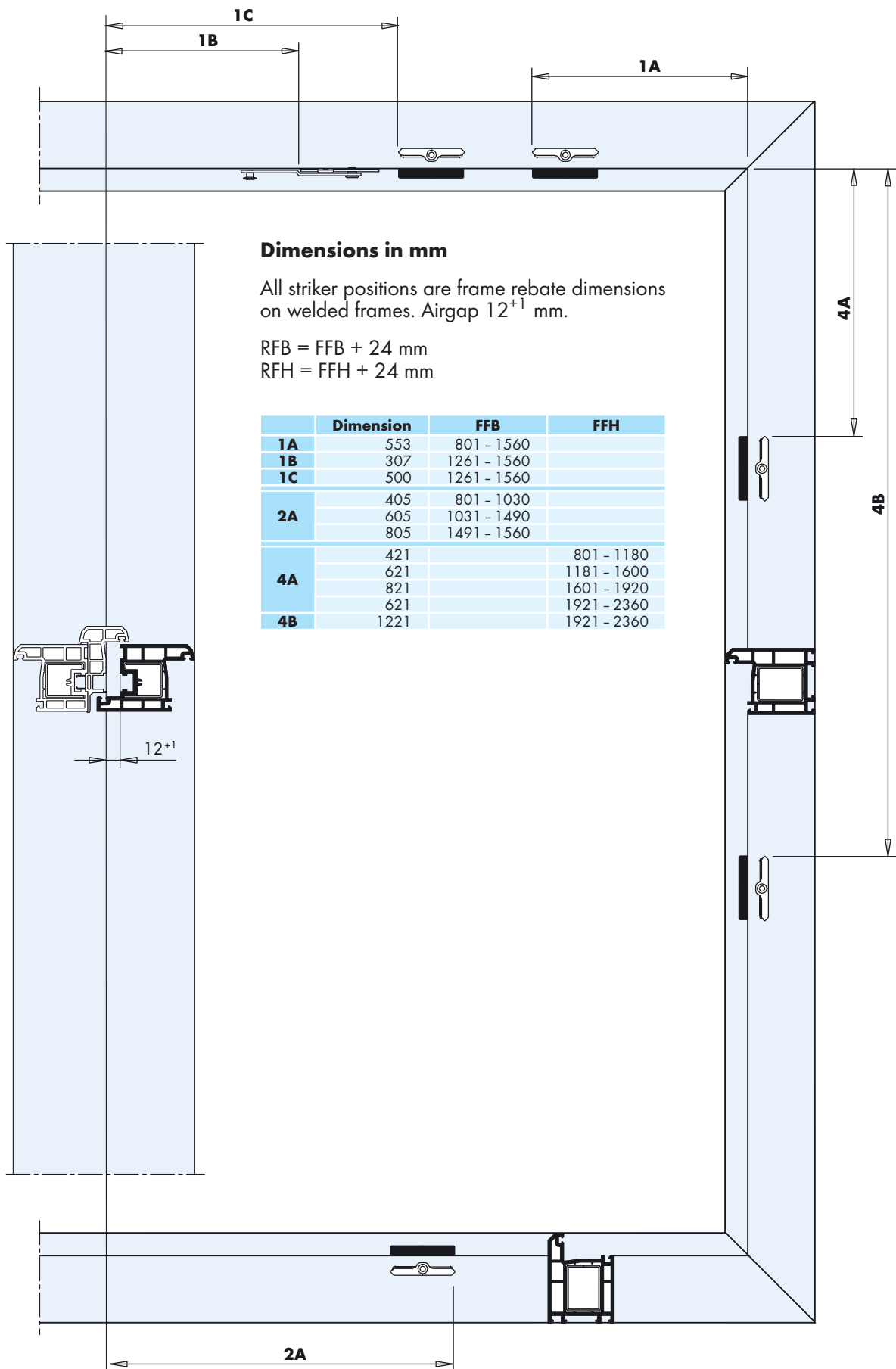




Frame dimensions main sash

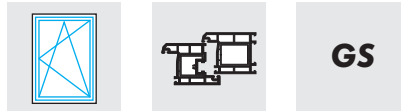
2-sash square tilt-turn/turn shoot bolt
PVC GK Hinge side Si-line

FAVORIT



FAVORIT

Installation instructions



1-sash square tilt-turn

PVC

basic security

fixed handle position

Hinge side Si-line

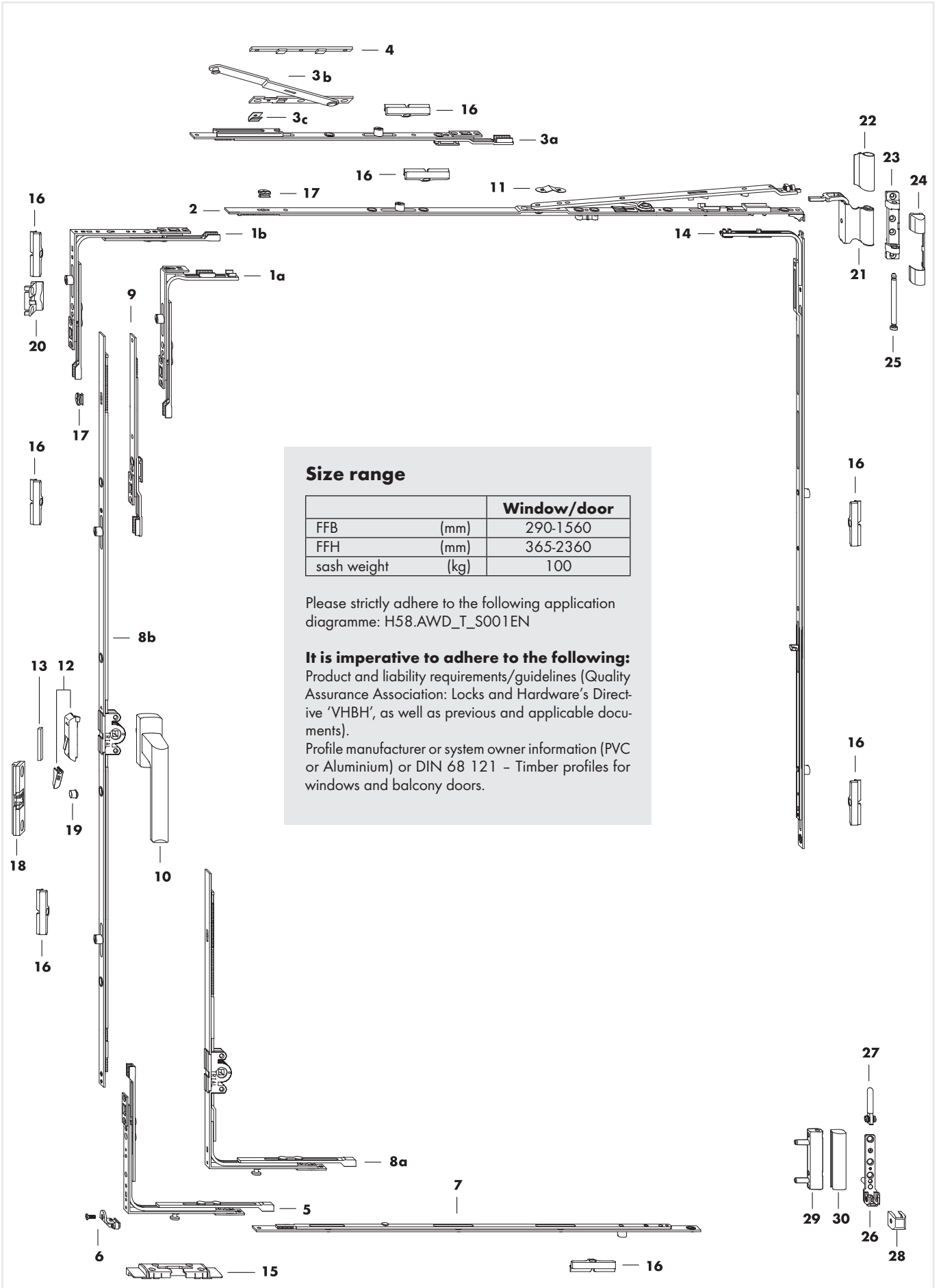
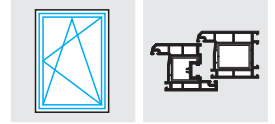
surface TS

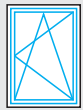
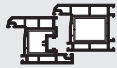
backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).





List of fittings

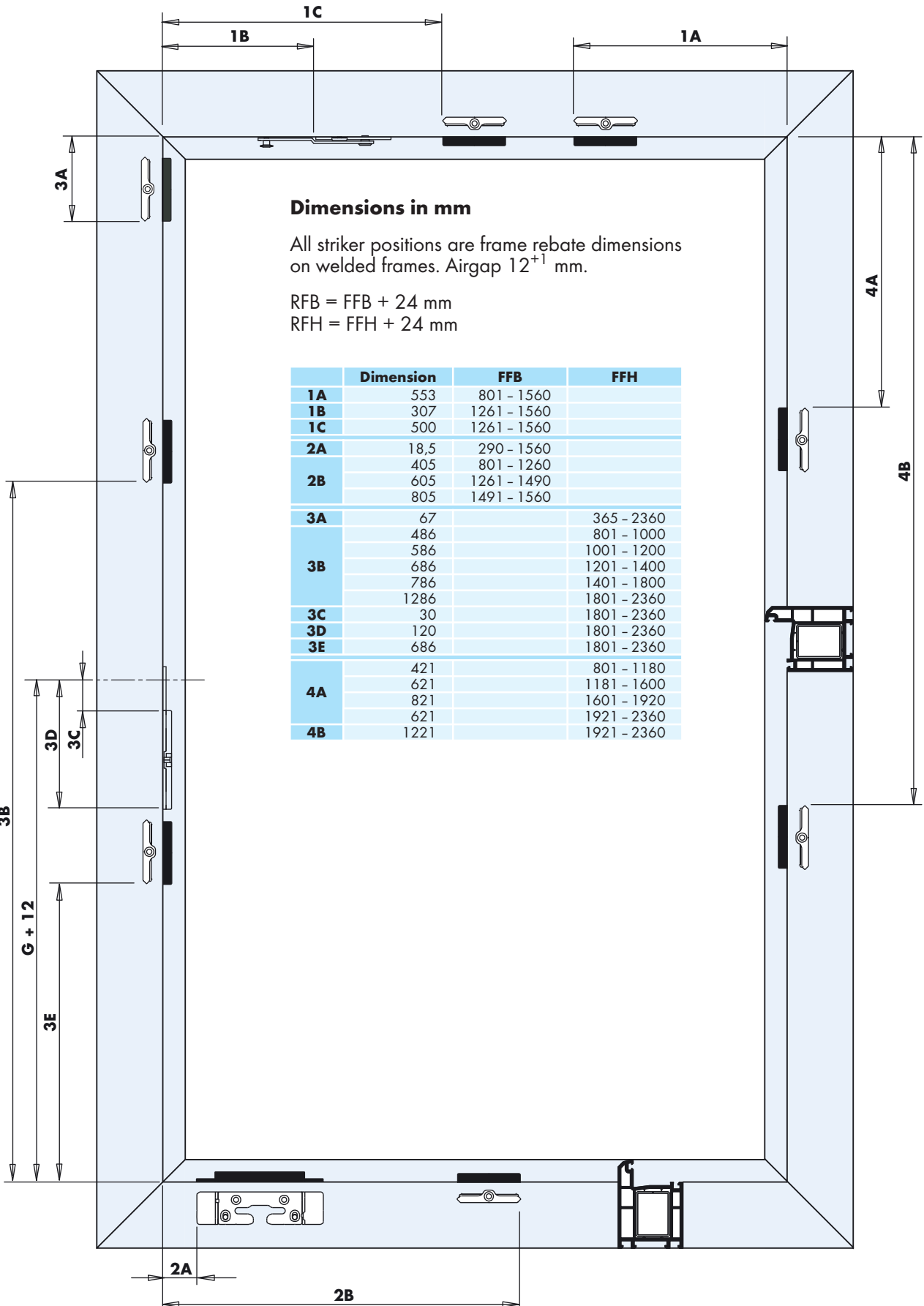
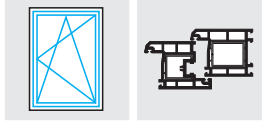
1-sash square tilt-turn
PVC GK Hinge side Si-line

FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							15	16
1a	corn.drive narrow VSO	702925	1	290 - 410				1
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				1
2	stay 7 sz 30	707302	1	290 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				1
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	601 - 2360		1	
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560				
7	centre lock sz 50	700969	1	801 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 600	190	1	
8b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290		
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390		1
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		1
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		1
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		1
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		1
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		2
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090		2
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
10	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
11	felt restrictor	805701	1		365 - 750			
12	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360			
13	stop	Ref. PDB, FRZF01	1		1801 - 2360			
14	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		801 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
15	felt lock bear. S-ES FH	Ref. PDB, FRKA						
16	striker plate S 56	Ref. PDB, TRSM						
on request								
17	location piece	702543	2					
18	snapper	Ref. PDB, FRZB	1		1801 - 2360			
19	sleeve	Ref. PDB, FFHU	1		1801 - 2360			
20	frame part SP-S	Ref. PDB, FRZL01	1					

Hinge side turning points					
Pos.	Description	Part number	Part number		required as per sash weight 100 kg
			surface TS	RAL9003	
21	stay hinge	Ref. PDB, FBWB			1
22	cover cap W PVC		FKWB0010-002 ...	836200	1
23	top hinge	Ref. PDB, FBLS01			1
24	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
25	top hinge pin diam.6	FBSB0010-1 ...			1
26	bottom hinge	Ref. PDB, FBEL01			1
27	bottom hinge pin diam.7	FBLB0060-1 ...			1
28	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
29	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
30	cover cap EB		FKEB0020-002 ...	887547	1



Dimensions in mm

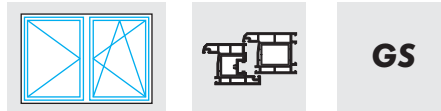
All striker positions are frame rebate dimensions on welded frames. Airgap 12⁺¹ mm.

RFB = FFB + 24 mm
RFH = FFH + 24 mm

Dimension	FFB	FFH
1A	553	801 - 1560
1B	307	1261 - 1560
1C	500	1261 - 1560
2A	18,5	290 - 1560
2B	405	801 - 1260
	605	1261 - 1490
	805	1491 - 1560
3A	67	365 - 2360
	486	801 - 1000
3B	586	1001 - 1200
	686	1201 - 1400
	786	1401 - 1800
	1286	1801 - 2360
3C	30	1801 - 2360
3D	120	1801 - 2360
3E	686	1801 - 2360
4A	421	801 - 1180
	621	1181 - 1600
	821	1601 - 1920
	621	1921 - 2360
4B	1221	1921 - 2360

FAVORIT

Installation instructions



2-sash square tilt-turn/turn DSG gear

PVC

basic security

fixed handle position

Hinge side Si-line

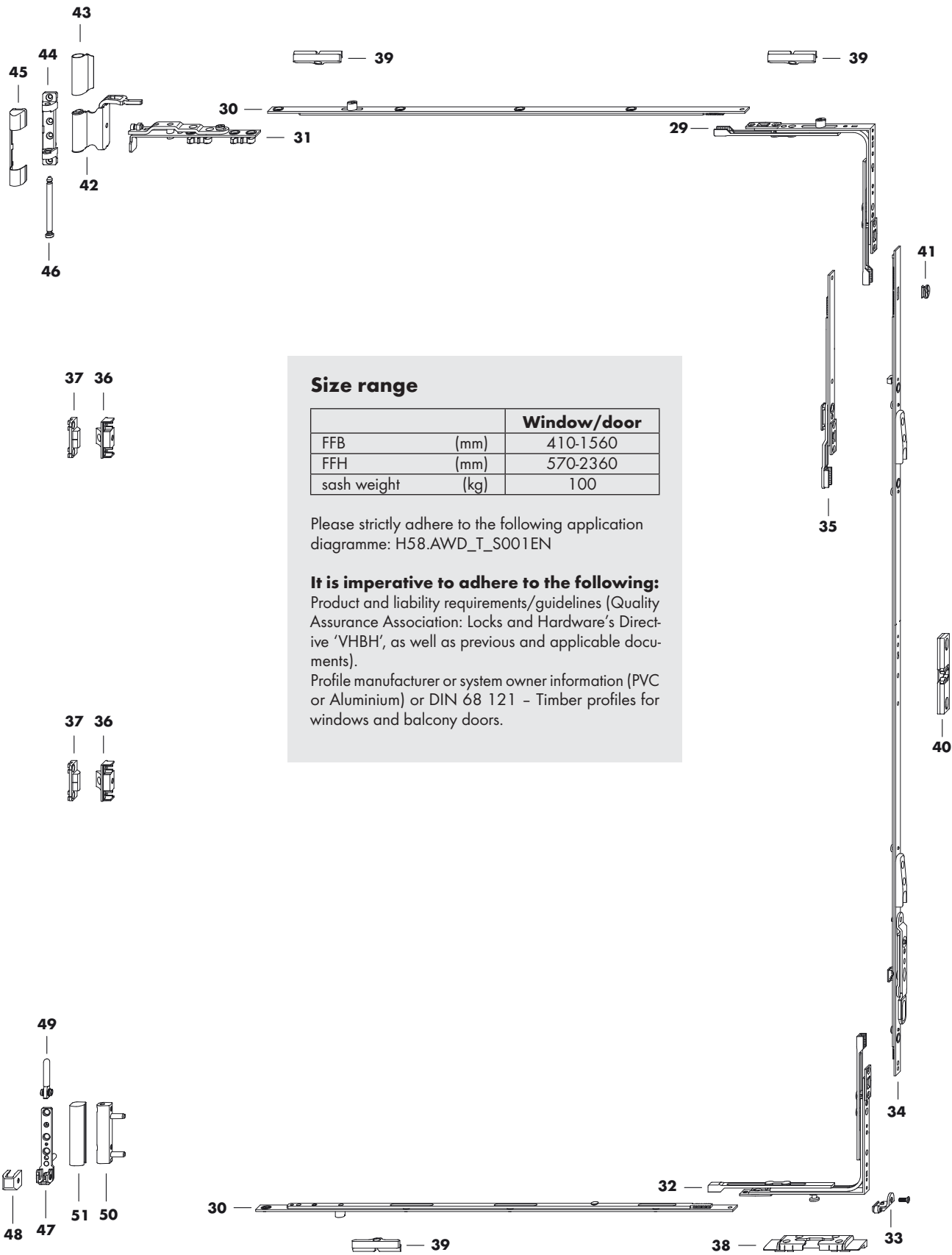
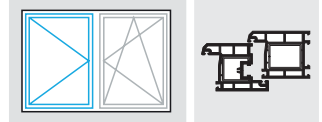
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).



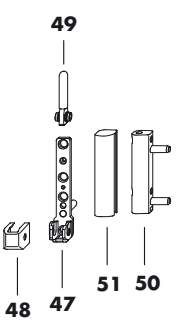
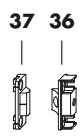
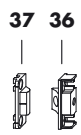
Size range

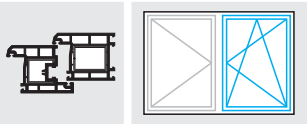
		Window/door
FFB	(mm)	410-1560
FFH	(mm)	570-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



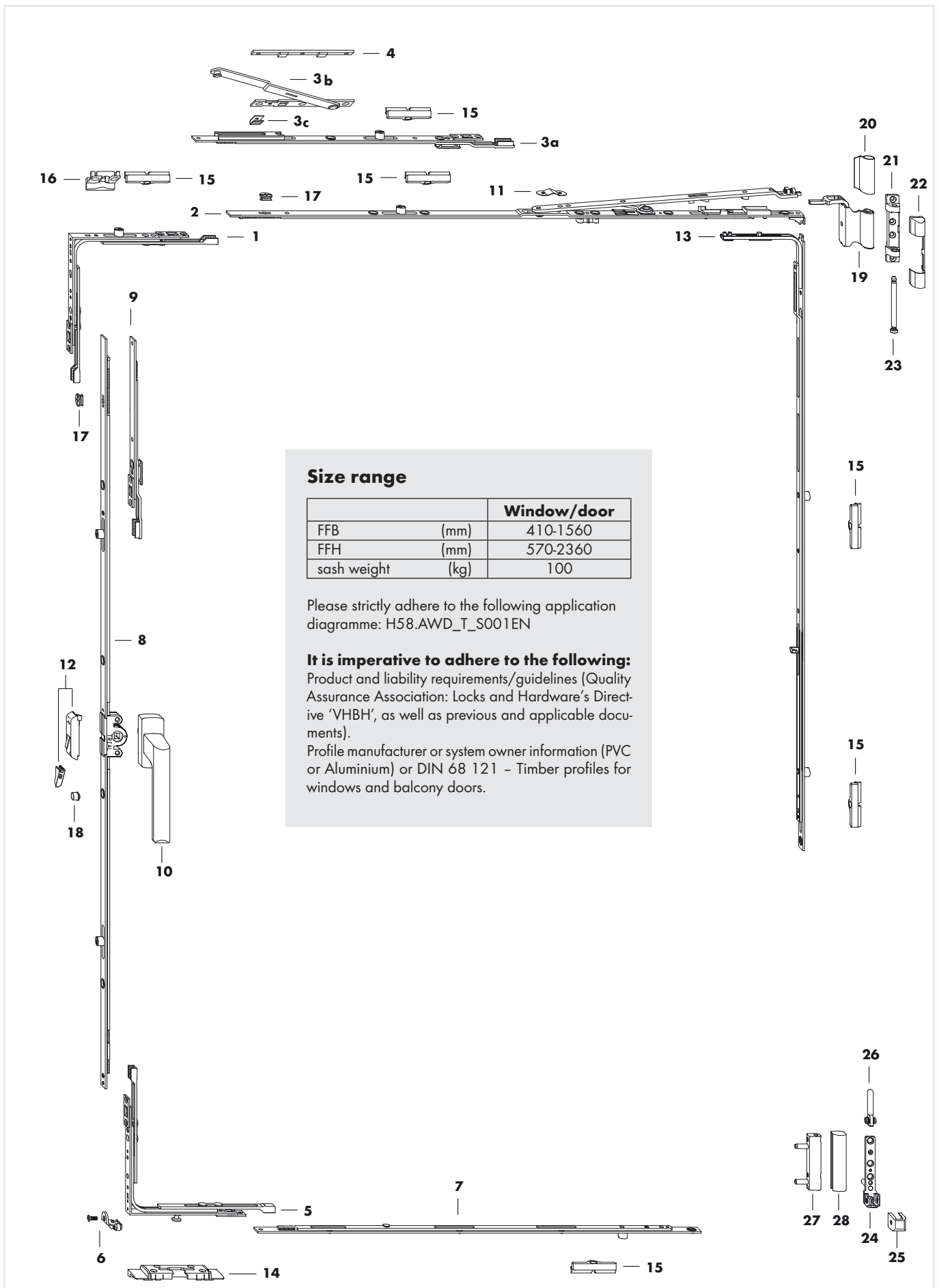


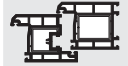
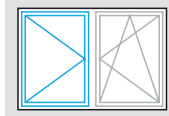
hardware layout main sash

2-sash square tilt-turn/turn DSG gear
PVC GK Hinge side Si-line

FAVORIT

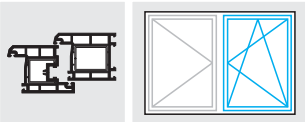
GS





Pos.	Description	Part number	QTY	FFB	FFH	Dimension G In the main sash	Number of frame parts / Pos.	
							38	39
29	corn.drive VSO ..	FEUL0230- ...	1	410 - 1560				1
30	centre lock sz 50	700969	2	801 - 1260				2
	centre lock sz 70	700976		1261 - 1490				2
	centre lock sz 90	700983		1491 - 1560				2
31	stay 7 DF	707340	1	410 - 1560				
32	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560			1	
33	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560				
34	sec.sash gear 16 FAV sz 60	FGKS1010- ...	1		570 - 800	290		
	sec.sash gear 16 FAV sz .80 1SB	FGKS1020- ...			801 - 1000	390		
	sec.sash gear 16 FAV sz 100 1SB	FGKS1030- ...			1001 - 1200	490		
	sec.sash gear 16 FAV sz 120 1SB	FGKS1040- ...			1201 - 1400	590		
	sec.sash gear 16 FAV sz 140 1SB	FGKS1050- ...			1401 - 1600	690		
	sec.sash gear 16 FAV sz 160 1SB	FGKS1060- ...			1601 - 1800	690		
	sec.sash gear 16 FAV sz 180 2SB	FGKS1070- ...			1801 - 2000	1090		
35	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
36	sash part MV	Ref. PDB, ZFMV01	1		801 - 1600			
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360			
37	frame part MV	Ref. PDB, ZRZM01	1		801 - 1600			
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360			
38	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
39	striker plate S 56	Ref. PDB, TRSM						
on request								
40	snapper	Ref. PDB, FRZB02	1		1801 - 2360			
41	location piece	702543	1					

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
42	stay hinge	Ref. PDB, FBWB			1
43	cover cap W PVC		FKWB0010-002 ...	836200	1
44	top hinge	Ref. PDB, FBSL01			1
45	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
46	top hinge pin diam.6	FBSB0010-1 ...			1
47	bottom hinge	Ref. PDB, FBEL01			1
48	bottom hinge pin diam.7	FBLB0060-1 ...			1
49	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
50	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
51	cover cap EB		FKEB0020-002 ...	887547	1



List of fittings main sash

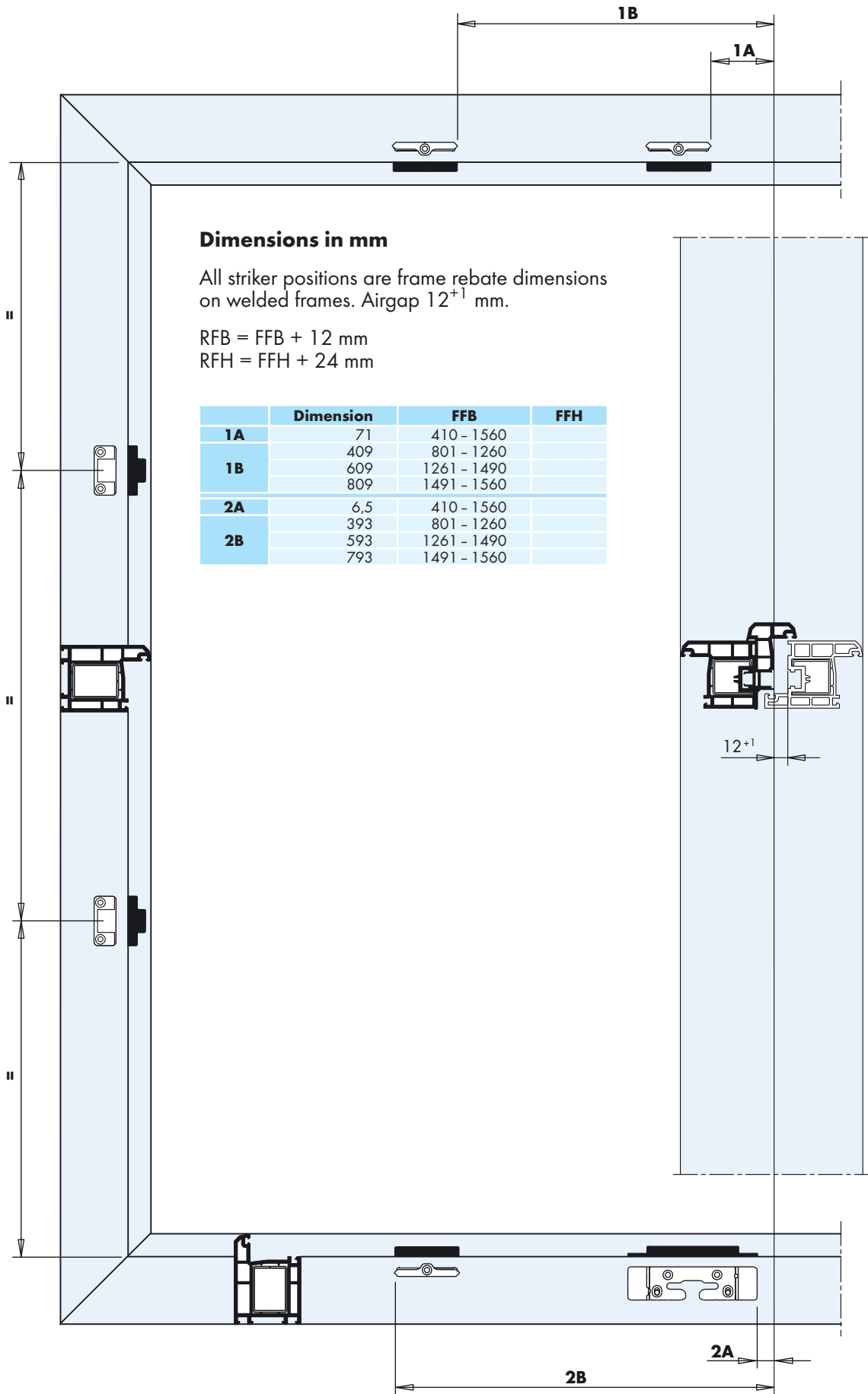
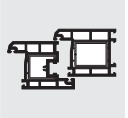
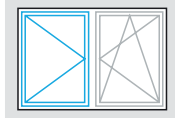
2-sash square tilt-turn/turn DSG gear
PVC GK Hinge side Si-line

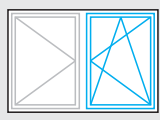
FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							14	15
1	corn.drive VSO ..	FEUL0230- ...	1	410 - 1560				1
2	stay 7 sz 30	707302	1	410 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				1
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560	601 - 2360		1	
6	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560				
7	centre lock sz 50	700969	1	801 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8	gear 23 sz 60/G290 A0089	707159	1		570 - 800	290		
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390		
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		
gear 23 sz 200/G1090 TL A0089	702444		2001 - 2360	1090				
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
10	handle Si-line	Ref.access. ZHSS	1		570 - 2360			
11	tilt restrictor	805701	1		570 - 750			
12	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360			
13	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		801 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
14	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
15	striker plate S 56	Ref. PDB, TRSM						
on request								
16	frame part SP-S	Ref. PDB, FRZL01	1					
17	location piece	702543	2					
18	sleeve DSG	Ref. PDB, FFHU02	1		1801 - 2360			

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
19	stay hinge	Ref. PDB, FBWB			1
20	cover cap W PVC		FKWB0010-002 ...	836200	1
21	top hinge	Ref. PDB, FBLS01			1
22	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
23	top hinge pin diam.6	FBSB0010-1 ...			1
24	bottom hinge	Ref. PDB, FBEL01			1
25	bottom hinge pin diam.7	FBLB0060-1 ...			1
26	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
27	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
28	cover cap EB		FKEB0020-002 ...	887547	1



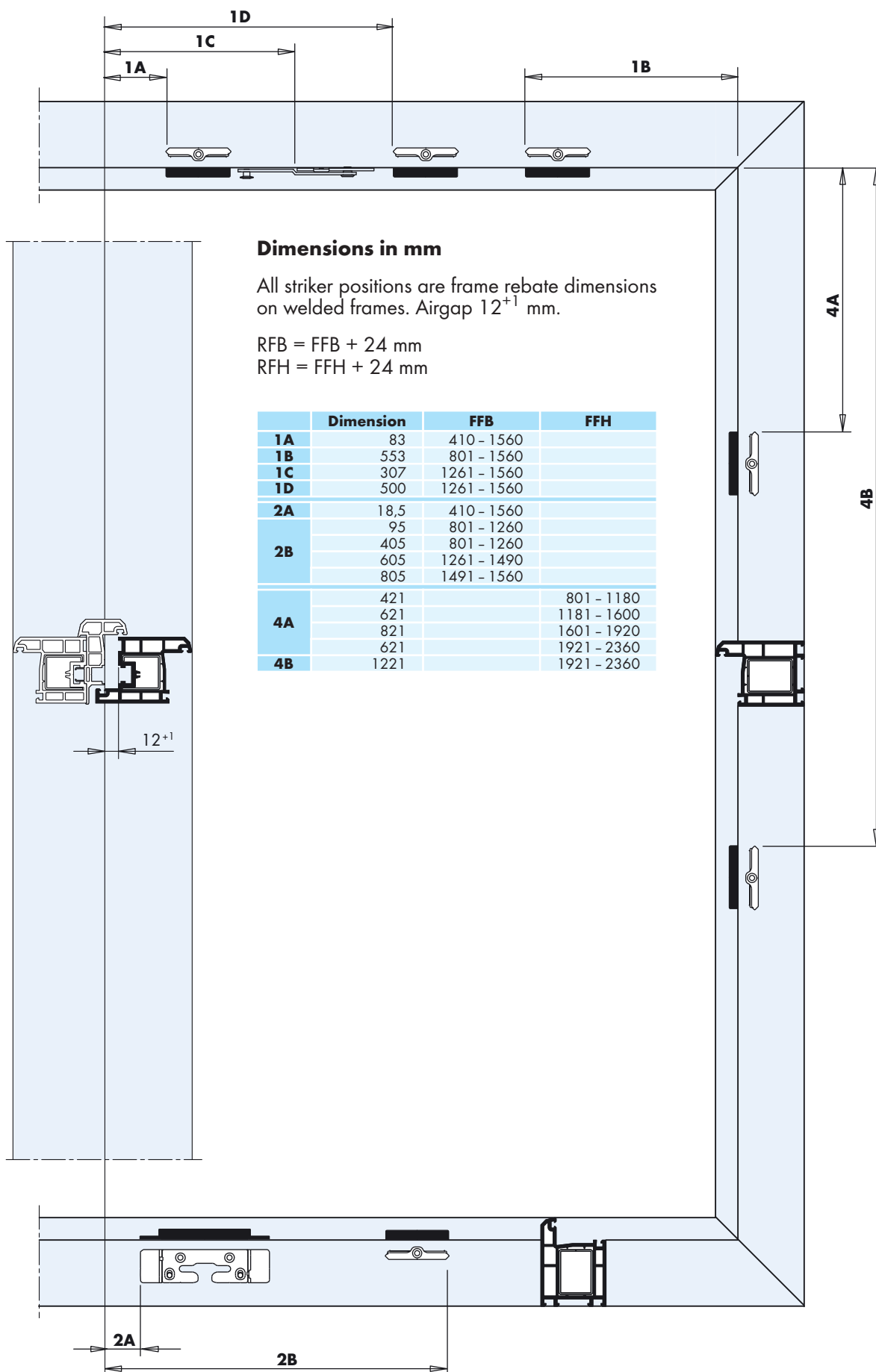


Frame dimensions main sash

2-sash square tilt-turn/turn DSG gear
PVC GK Hinge side Si-line

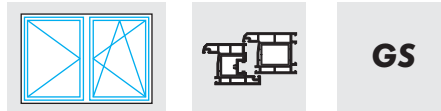
FAVORIT

GS



FAVORIT

Installation instructions



2-sash square tilt-turn/turn shoot bolt

PVC

basic security

fixed handle position

Hinge side Si-line

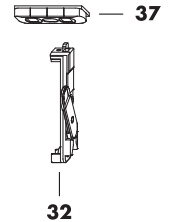
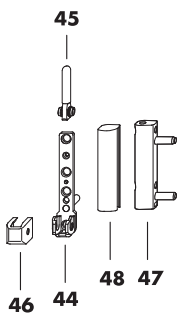
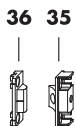
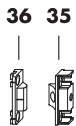
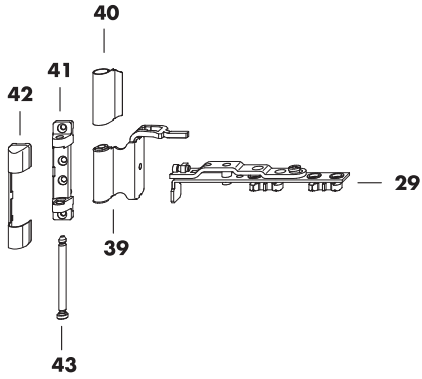
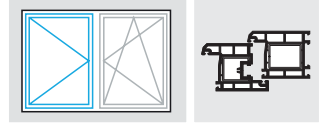
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

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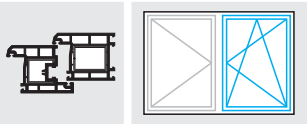
Size range

		Window/door
FFB	(mm)	230-800
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
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Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.

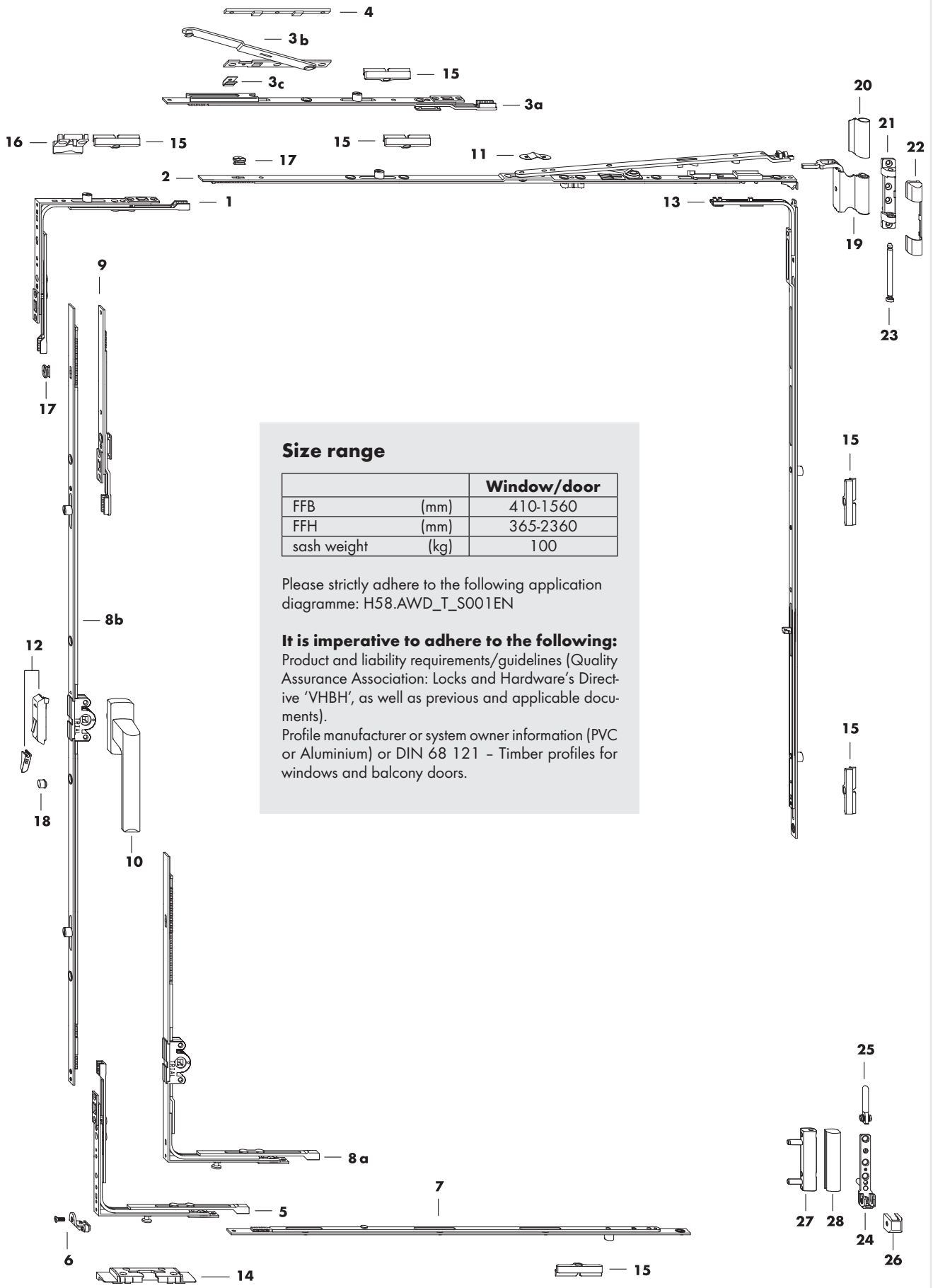


hardware layout main sash

2-sash square tilt-turn/turn shoot bolt
PVC GK Hinge side Si-line

FAVORIT

GS



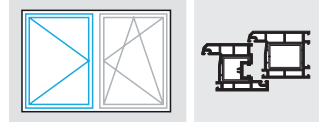
Size range

		Window/door
FFB	(mm)	410-1560
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

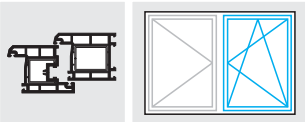
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Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.
						In the main sash	
29	stay 7 DF	707340	1	230 - 800			
30	sash lift .. A2000	TFFH0010- ...	1	230 - 800			
31	run-up FH/TiP	Ref. PDB, TRAL	1	230 - 800			
32	short shoot bolt A2000	716236	2		365 - 2360		2
33	striker plate 56 A2000	TRSB0030- ...	1		801 - 1000	390	
	striker plate 56 A2000	TRSB0030- ...			1001 - 1200	490	
	striker plate 56 A2000	TRSB0030- ...			1201 - 1400	590	
	striker plate 56 A2000	TRSB0030- ...			1401 - 1800	690	
	striker plate 56 A2000	TRSB0030- ...	2		1801 - 2360	1090	
34	stop 2,2mm	710937	1		1801 - 2360		
35	sash part MV	Ref. PDB, ZFMV01	1		801 - 1600		
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360		
36	frame part MV	Ref. PDB, ZRZM01	1		801 - 1600		
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360		
37	striker V	Ref. PDB, FRZV01					
on request							
38	snapper A2000	709313	1		1801 - 2360		

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
39	stay hinge	Ref. PDB, FBWB			1
40	cover cap W PVC		FKWB0010-002 ...	836200	1
41	top hinge	Ref. PDB, FBLS01			1
42	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
43	top hinge pin diam.6	FBSB0010-1 ...			1
44	bottom hinge	Ref. PDB, FBEL01			1
45	bottom hinge pin diam.7	FBLB0060-1 ...			1
46	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
47	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
48	cover cap EB		FKEB0020-002 ...	887547	1



List of fittings main sash

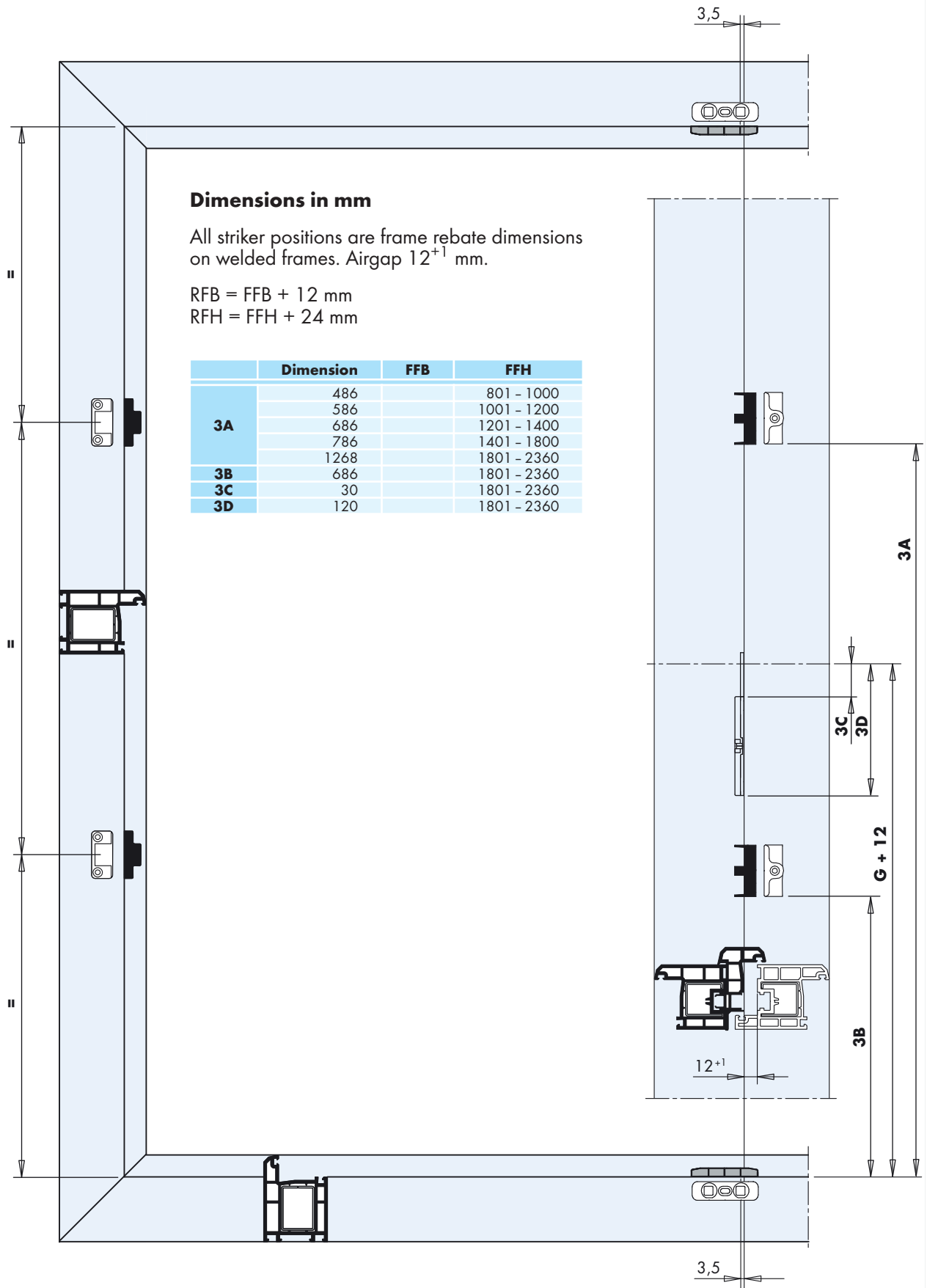
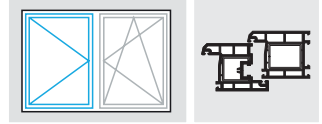
2-sash square tilt-turn/turn shoot bolt
PVC GK Hinge side Si-line

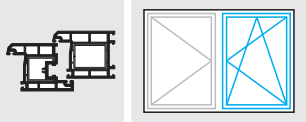
FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							14	15
1	corn.drive VSO ..	FEUL0230- ...	1	410 - 1560				1
2	stay 7 sz 30	707302	1	410 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				1
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560	601 - 2360		1	
6	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560				
7	centre lock sz 50	700969	1	801 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 600	190	1	
8b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290		
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390		
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090		
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
10	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
11	tilt restrictor	805701	1		365 - 750			
12	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360			
13	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		801 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
14	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
15	striker plate S 56	Ref. PDB, TRSM						
on request								
16	frame part SP-S	Ref. PDB, FRZL01	1					
17	location piece	702543	2					
18	sleeve KRL	Ref. PDB, FFHU01	1		1801 - 2360			

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
19	stay hinge	Ref. PDB, FBWB			1
20	cover cap W PVC		FKWB0010-002 ...	836200	1
21	top hinge	Ref. PDB, FBLS01			1
22	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
23	top hinge pin diam.6	FBSB0010-1 ...			1
24	bottom hinge	Ref. PDB, FBEL01			1
25	bottom hinge pin diam.7	FBLB0060-1 ...			1
26	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
27	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
28	cover cap EB		FKEB0020-002 ...	887547	1



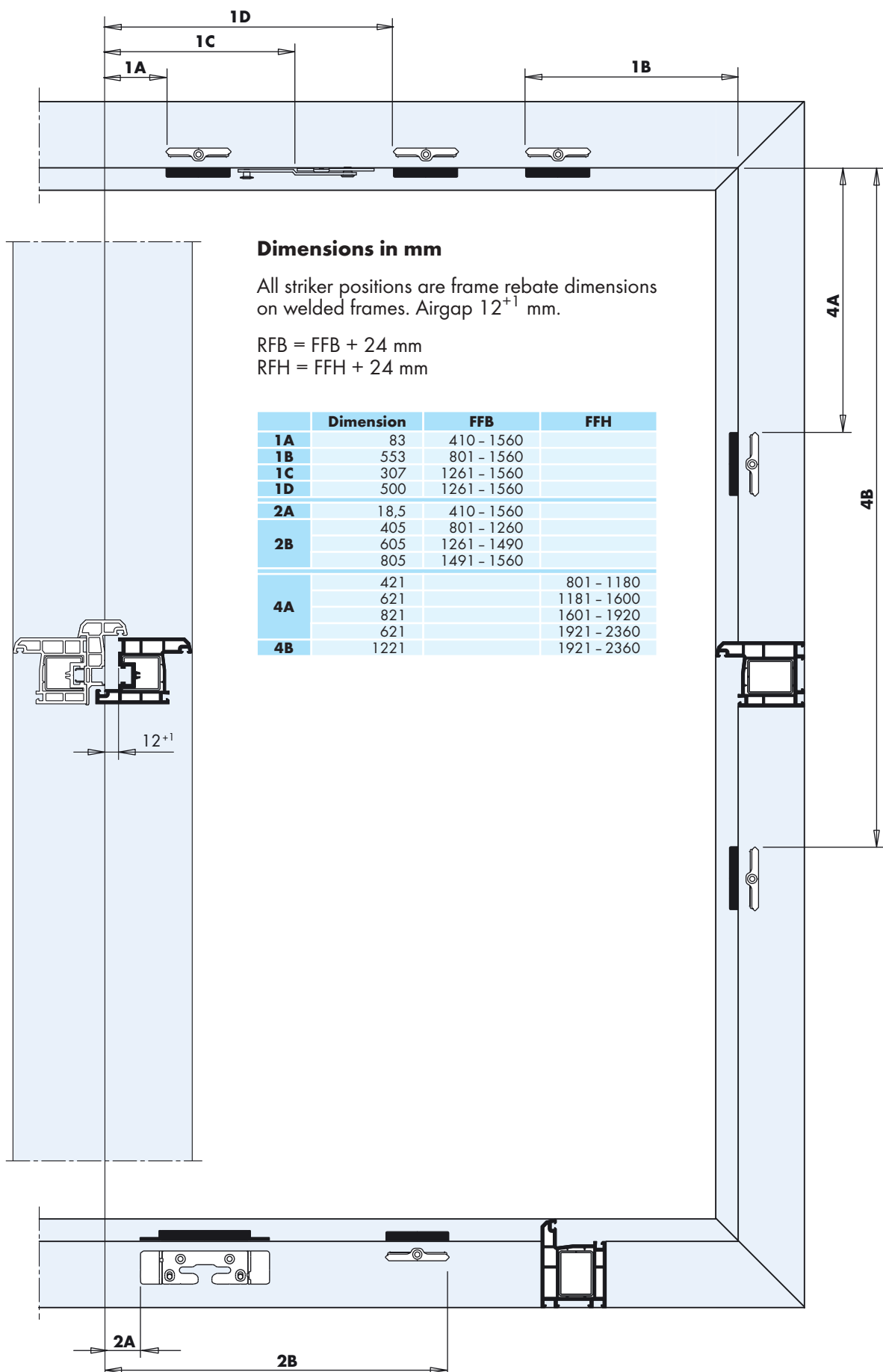


Frame dimensions main sash

2-sash square tilt-turn/turn shoot bolt
PVC GK Hinge side Si-line

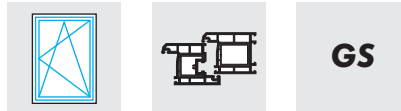
FAVORIT

GS



FAVORIT

Installation instructions



1-sash square tilt before turn (TBT)

PVC

basic security

fixed handle position

Hinge side Si-line

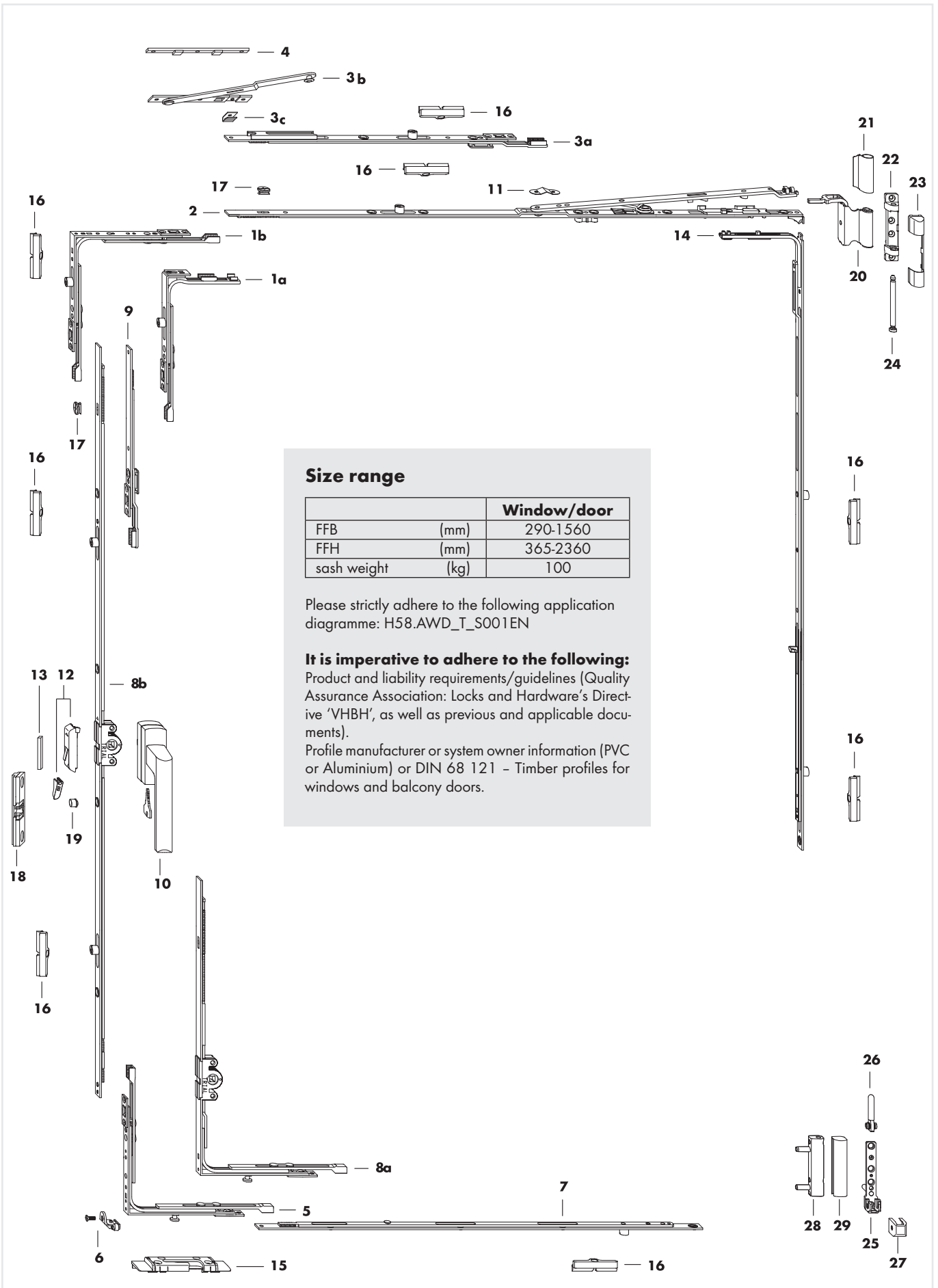
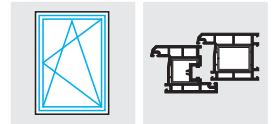
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

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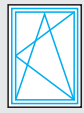
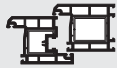
Size range

		Window/door
FFB	(mm)	290-1560
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



List of fittings

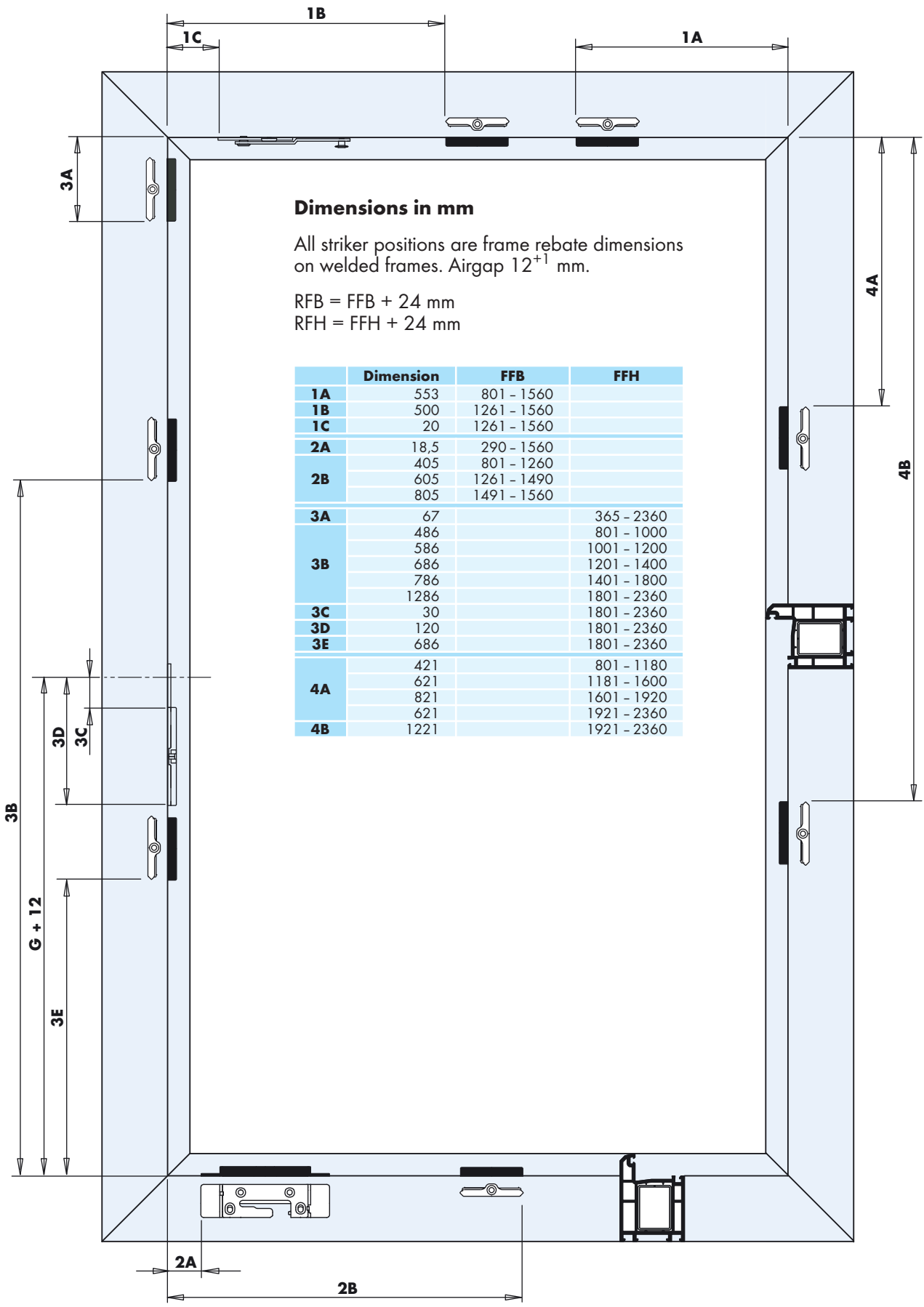
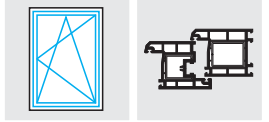
1-sash square tilt before turn (TBT)
PVC GK Hinge side Si-line

FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							15	16
1a	corn.drive narrow VSO	702925	1	290 - 410				1
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				1
2	stay 7 TBT sz 30	707357	1	290 - 620				
	stay 7 TBT sz 35 MV	707364		621 - 800				
	stay 7 TBT sz 50 MV	707371		801 - 1030				1
	stay 7 TBT sz 55 MV	707388		1031 - 1260				1
	stay 7 TBT sz 50 MV	707371		1261 - 1490				1
	stay 7 TBT sz 55 MV	707388		1491 - 1560				1
3	crt.additional stay TBT	Ref. PDB, FMZS02	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	601 - 2360		1	
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560				
7	centre lock sz 50	700969	1	801 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 600	190	1	
8b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290		
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390		1
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		1
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		1
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		1
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		1
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		2
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090		2
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
10	handle Si-line TBT lockable	Ref.access. ZHST	1		365 - 2360			
11	felt restrictor	805701	1		365 - 750			
12	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360			
13	stop	Ref. PDB, FRZF01	1		1801 - 2360			
14	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		801 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
15	felt lock bear. S-ES FH TBT	Ref. PDB, FRKB						
16	striker plate S 56	Ref. PDB, TRSM						
on request								
17	location piece	702543	2					
18	snapper	Ref. PDB, FRZB	1		1801 - 2360			
19	sleeve	Ref. PDB, FFHU	1		1801 - 2360			

Hinge side turning points						
Pos.	Description	Part number	Part number			required as per sash weight 100 kg
			surface TS	RAL9003	RAL8019	
20	stay hinge	Ref. PDB, FBWB				1
21	cover cap W PVC			FKWB0010-002 ...	836200	1
22	top hinge	Ref. PDB, FBSL01				1
23	cover cap S			FKSL0010-002 ...	FKSL0010-011 ...	1
24	top hinge pin diam.6	FBSB0010-1 ...				1
25	bottom hinge	Ref. PDB, FBEL01				1
26	bottom hinge pin diam.7	FBLB0060-1 ...				1
27	cover cap EL U			FKEU0010-002 ...	FKEU0010-011 ...	1
28	corner hinge PVC diam.6x16/16	FBEB0010-1 ...				1
29	cover cap EB			FKEB0020-002 ...	887547	1



Dimensions in mm

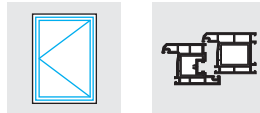
All striker positions are frame rebate dimensions on welded frames. Airgap 12⁺¹ mm.

RFB = FFB + 24 mm
RFH = FFH + 24 mm

Dimension	FFB	FFH
1A	553	801 - 1560
1B	500	1261 - 1560
1C	20	1261 - 1560
2A	18,5	290 - 1560
2B	405	801 - 1260
	605	1261 - 1490
	805	1491 - 1560
3A	67	365 - 2360
	486	801 - 1000
3B	586	1001 - 1200
	686	1201 - 1400
	786	1401 - 1800
	1286	1801 - 2360
3C	30	1801 - 2360
3D	120	1801 - 2360
3E	686	1801 - 2360
4A	421	801 - 1180
	621	1181 - 1600
	821	1601 - 1920
	621	1921 - 2360
4B	1221	1921 - 2360

FAVORIT

Installation instructions



1-sash square turn

PVC

none

fixed handle position

Hinge side Si-line

surface TS

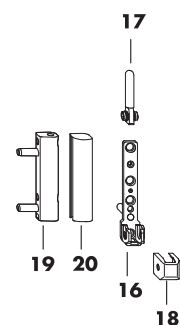
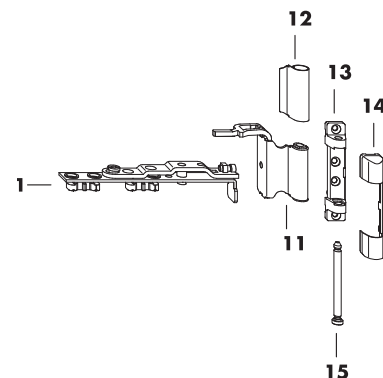
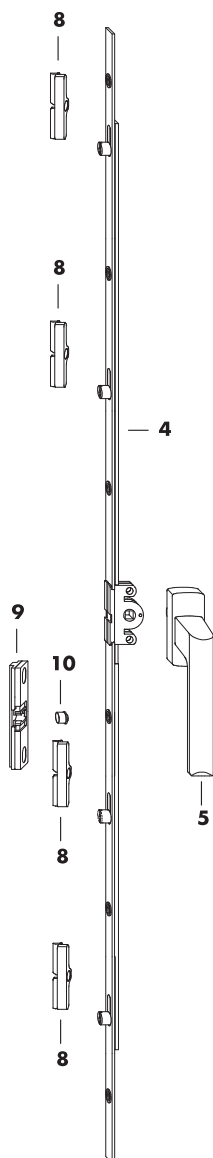
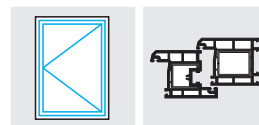
backset 16 mm

Hardware set configuration

Hinge side turning points

loose bottom hinge pin

This document was compiled using the SIEGENIA hardware software (BEO).



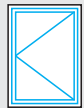
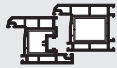
Size range

		Window/door
FFB	(mm)	290-800
FFH	(mm)	200-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

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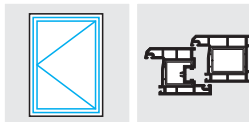
List of fittings

1-sash square turn
PVC GK Hinge side Si-line

FAVORIT

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.
1	stay 7 DF	707340	1	290 - 800			8
2	sash lift .. A2000	TFFH0010- ...	1	290 - 800			
3	run-up FH/TiP	Ref. PDB, TRAL	1	290 - 800			
4	gear DF 23 sz 40	713440	1		200 - 430	125	1
	gear DF 23 sz 50/G190	701522			431 - 600	190	2
	gear DF 23 sz 60/G290	701539			601 - 800	290	2
	gear DF 23 sz 80/G390	701553			801 - 1000	390	2
	gear DF 23 sz 100/G490 MV	701584			1001 - 1200	490	3
	gear DF 23 sz 120/G590 MV	701614			1201 - 1400	590	3
	gear DF 23 sz 140/G690 MV	701645			1401 - 1600	690	3
	gear DF 23 sz 160/G690 MV	713457			1601 - 1800	690	3
	gear DF 23 sz 180/G1090 TL	701669			1801 - 2000	1090	4
	gear DF 23 sz 200/G1090 TL	701676			2001 - 2200	1090	4
gear DF 23 sz 220/G1090 TL	713464		2201 - 2360	1090	4		
5	handle Si-line	Ref.access. ZHSS	1		200 - 2360		
6	sash part MV	Ref. PDB, ZFMV01	1		801 - 1600		
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360		
7	frame part MV	Ref. PDB, ZRZM01	1		801 - 1600		
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360		
8	striker plate S 56	Ref. PDB, TRSM					
on request							
9	snapper	Ref. PDB, FRZB	1		1801 - 2360		
10	sleeve	Ref. PDB, FFHU	1		1801 - 2360		

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
11	stay hinge	Ref. PDB, FBWB			1
12	cover cap W PVC		FKWB0010-002 ...	836200	1
13	top hinge	Ref. PDB, FBSL01			1
14	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
15	top hinge pin diam.6	FBSB0010-1 ...			1
16	bottom hinge	Ref. PDB, FBEL01			1
17	bottom hinge pin diam.7	FBLB0060-1 ...			1
18	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
19	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
20	cover cap EB		FKEB0020-002 ...	887547	1



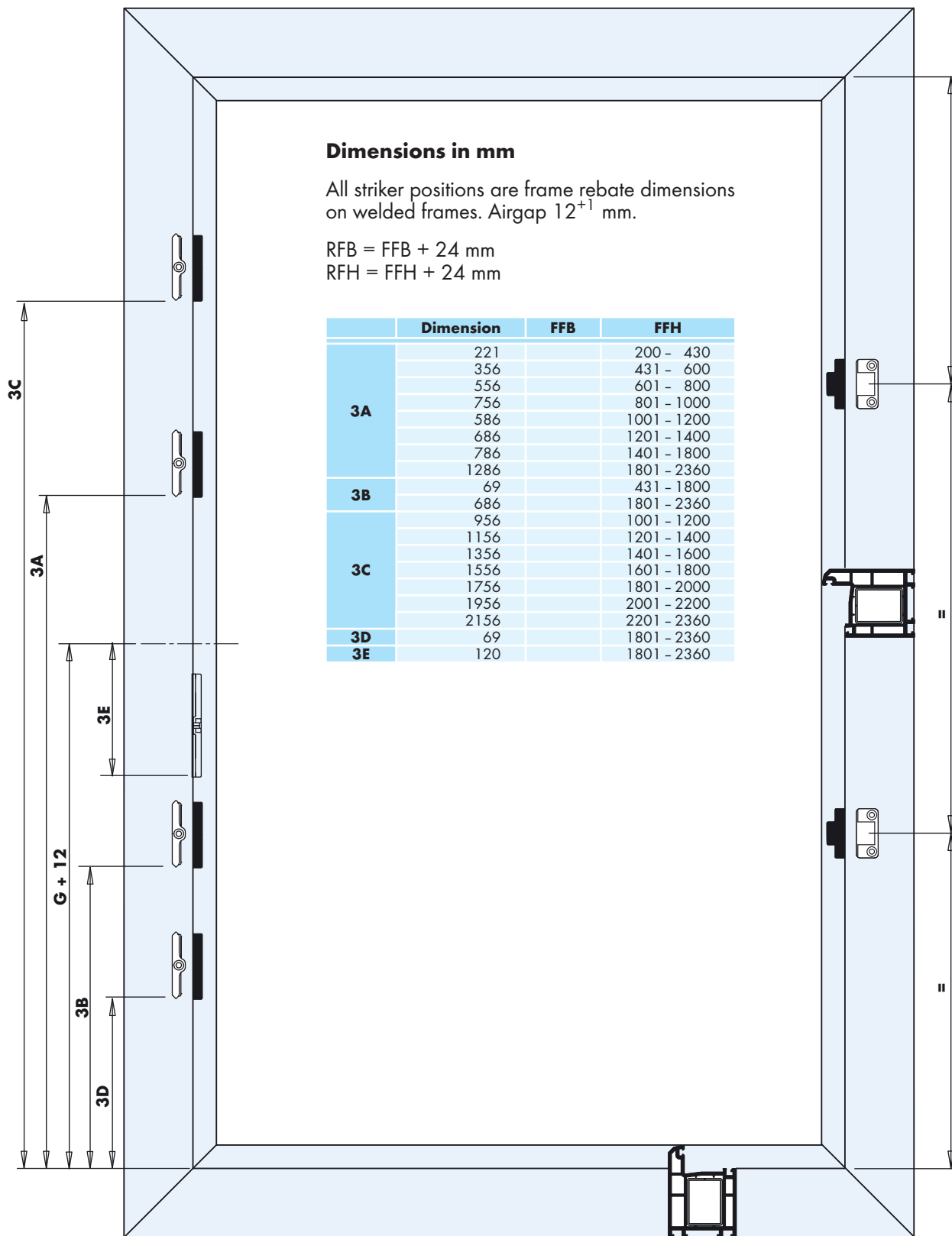
Dimensions in mm

All striker positions are frame rebate dimensions on welded frames. Airgap 12⁺¹ mm.

RFB = FFB + 24 mm

RFH = FFH + 24 mm

	Dimension	FFB	FFH
3A	221		200 - 430
	356		431 - 600
	556		601 - 800
	756		801 - 1000
	586		1001 - 1200
	686		1201 - 1400
	786		1401 - 1800
3B	1286		1801 - 2360
	69		431 - 1800
3C	686		1801 - 2360
	956		1001 - 1200
	1156		1201 - 1400
	1356		1401 - 1600
	1556		1601 - 1800
	1756		1801 - 2000
	1956		2001 - 2200
3D	2156		2201 - 2360
	69		1801 - 2360
3E	120		1801 - 2360



FAVORIT

Installation instructions



1-sash square turn

PVC

basic security

fixed handle position

Hinge side Si-line

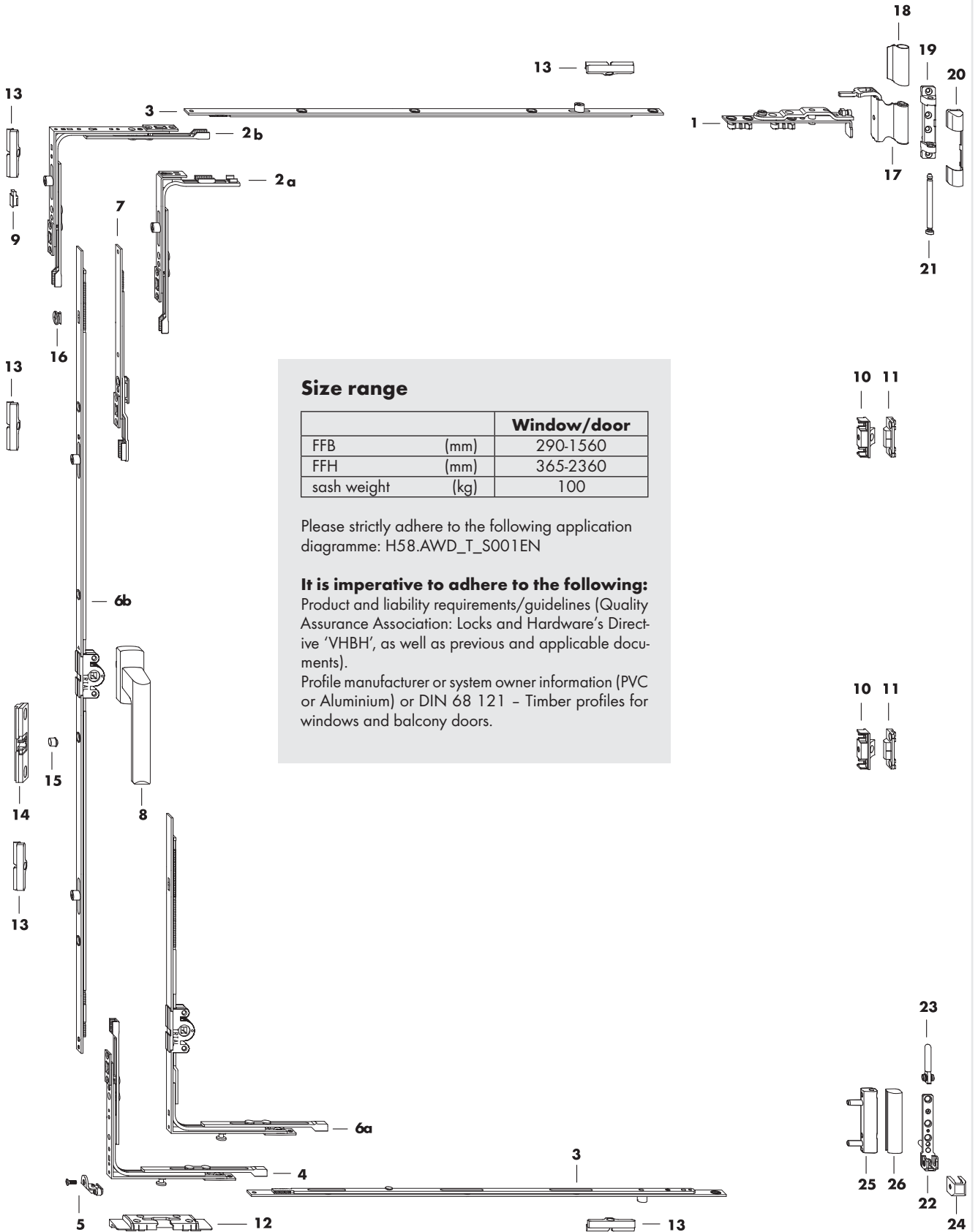
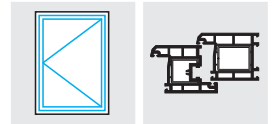
surface TS

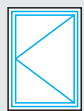
backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).





List of fittings

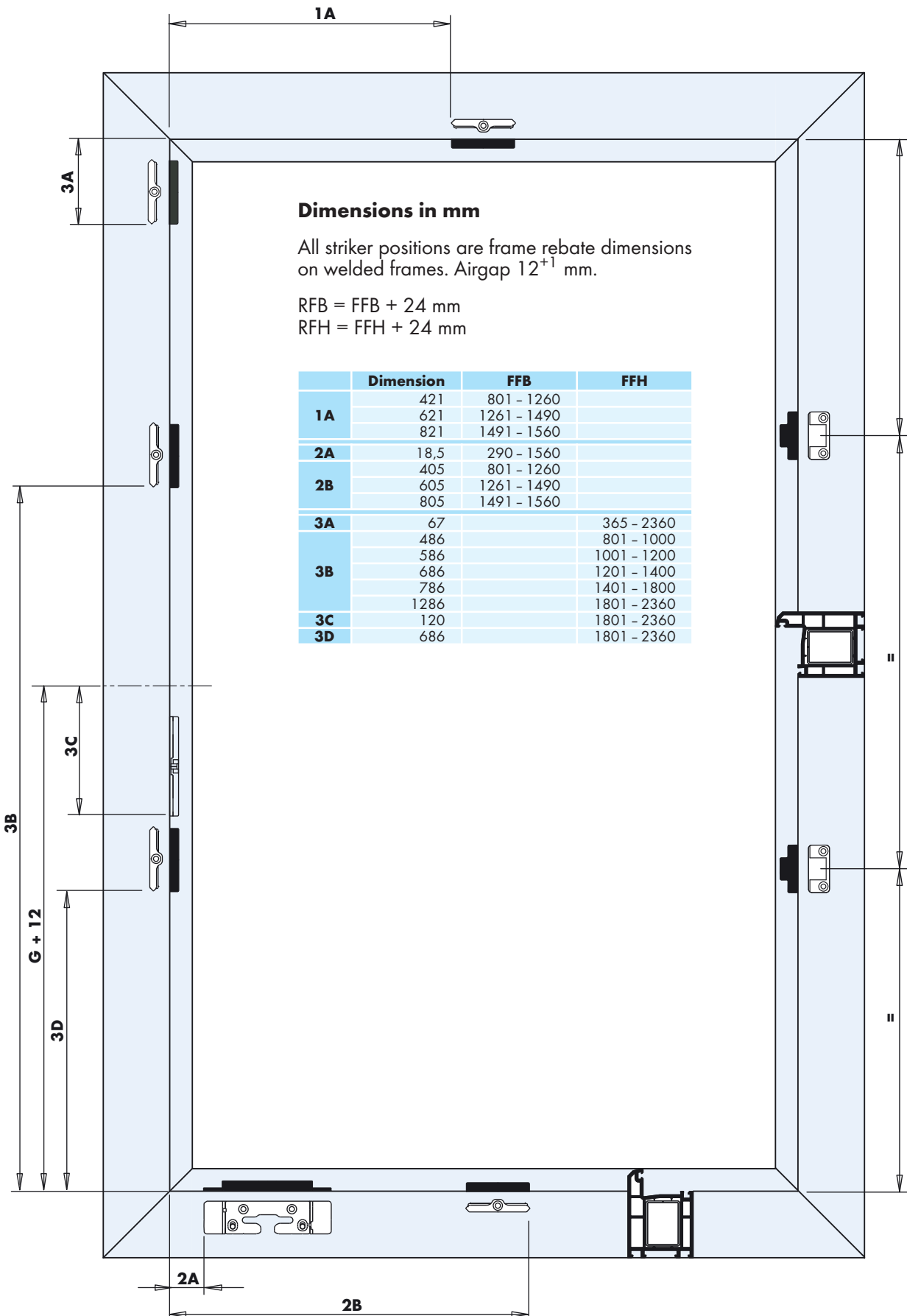
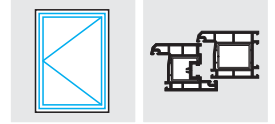
1-sash square turn
PVC GK Hinge side Si-line

FAVORIT

GS

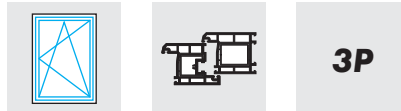
Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							12	13
1	stay 7 DF	707340	1	290 - 1560				
2a	corn.drive narrow VSO	702925	1	290 - 410				1
2b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				1
3	centre lock sz 50	700969	2	801 - 1260				2
	centre lock sz 70	700976		1261 - 1490				2
	centre lock sz 90	700983		1491 - 1560				2
4	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	601 - 2360		1	
5	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560				
6a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 600	190	1	
6b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290		
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390		1
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		1
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		1
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		1
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		1
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		2
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090		2
7	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
8	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
9	travel restriction S-ES	891124	1		365 - 2360			
10	sash part MV	Ref. PDB, ZFMV01	1		801 - 1600			
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360			
11	frame part MV	Ref. PDB, ZRZM01	1		801 - 1600			
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360			
12	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
13	striker plate S 56	Ref. PDB, TRSM						
on request								
14	snapper	Ref. PDB, FRZB	1		1801 - 2360			
15	sleeve	Ref. PDB, FFHU	1		1801 - 2360			
16	location piece	702543	1					

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
17	stay hinge	Ref. PDB, FBWB			1
18	cover cap W PVC		FKWB0010-002 ...	836200	1
19	top hinge	Ref. PDB, FBLS01			1
20	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
21	top hinge pin diam.6	FBSB0010-1 ...			1
22	bottom hinge	Ref. PDB, FBEL01			1
23	bottom hinge pin diam.7	FBLB0060-1 ...			1
24	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
25	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
26	cover cap EB		FKEB0020-002 ...	887547	1



FAVORIT

Installation instructions



1-sash square tilt-turn

PVC

3-point security

fixed handle position

Hinge side Si-line

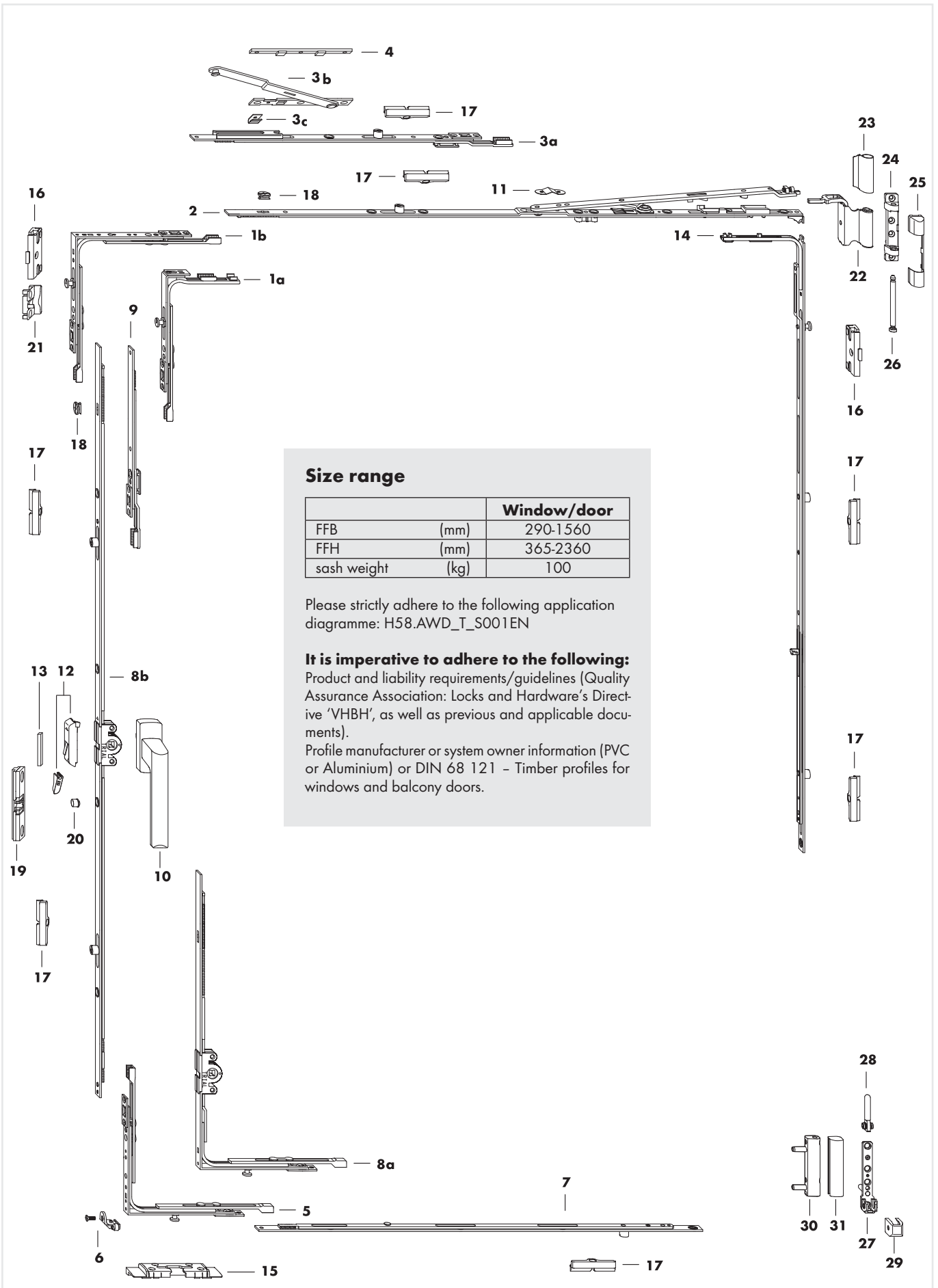
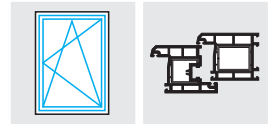
surface TS

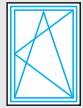
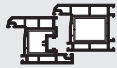
backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).





List of fittings

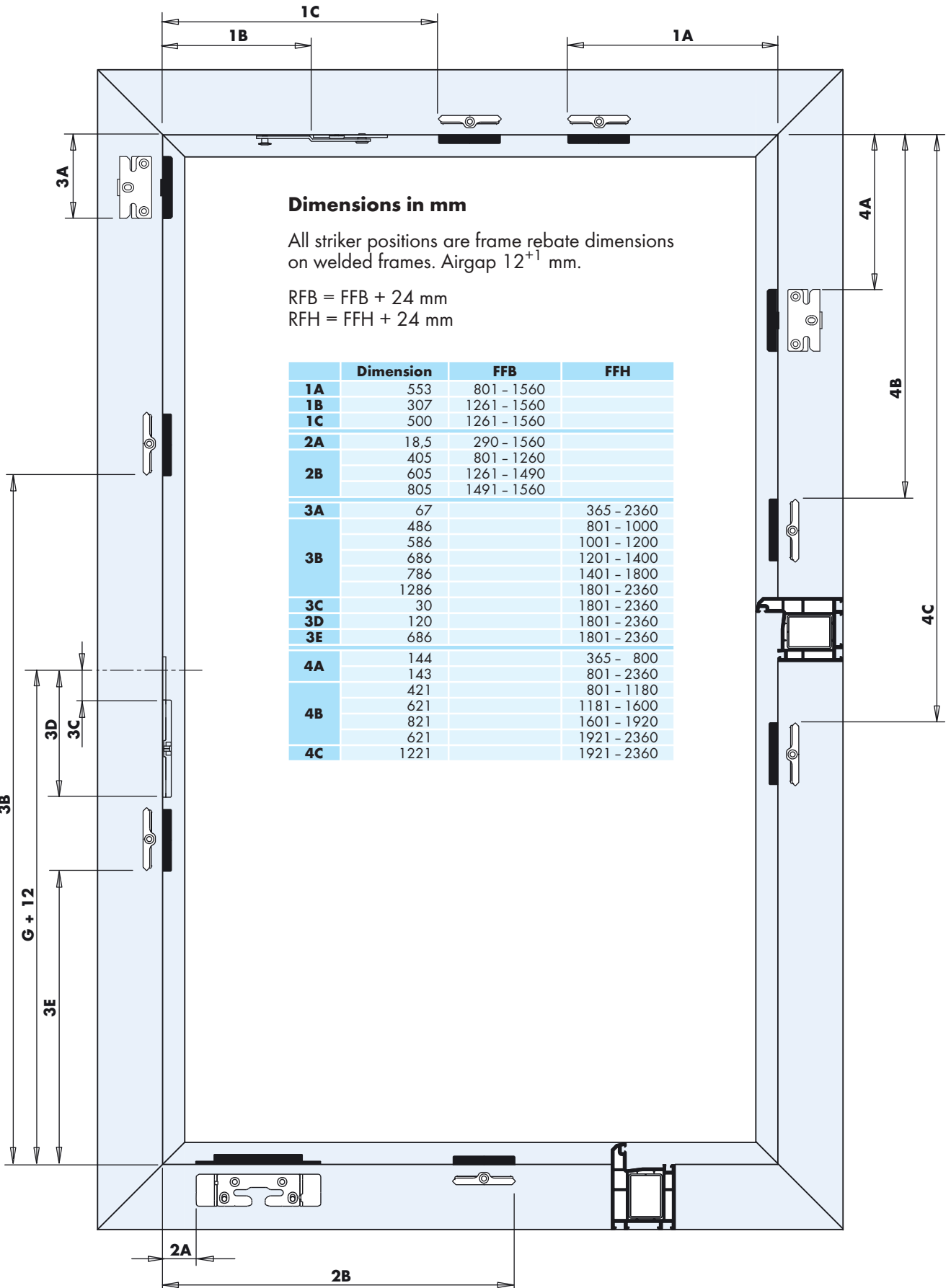
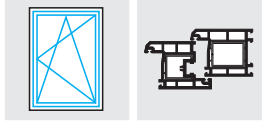
1-sash square tilt-turn
PVC GK Hinge side Si-line

FAVORIT

3P

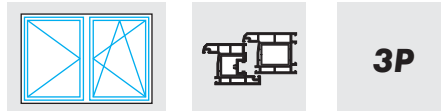
Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.		
							15	16	17
1a	corn.drive narrow VS S-ES	703038	1	290 - 410				1	
1b	corn.drive VS S-ES	FEUL0090- ...	1	411 - 1560				1	
2	stay 7 sz 30	707302	1	290 - 620					
	stay 7 sz 35 MV	707319		621 - 800					
	stay 7 sz 50 MV	707326		801 - 1030					1
	stay 7 sz 55 MV	707333		1031 - 1260					1
	stay 7 sz 50 MV	707326		1261 - 1490					1
	stay 7 sz 55 MV	707333		1491 - 1560					1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560					1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560					
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	601 - 2360		1		
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560					
7	centre lock sz 50	700969	1	801 - 1260					1
	centre lock sz 70	700976		1261 - 1490					1
	centre lock sz 90	700983		1491 - 1560					1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1		
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 600	190	1		
8b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290			
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390			1
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490			1
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590			1
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690			1
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690			1
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090			2
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090			2
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360				
10	handle Si-line	Ref.access. ZHSS	1		365 - 2360				
11	tilt restrictor	805701	1		365 - 750				
12	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360				
13	stop	Ref. PDB, FRZF01	1		1801 - 2360				
14	corn.drive BS sz 20 1S	FEUL2100- ...	1		365 - 800			1	
	corn.drive BS sz 50 1S 1V	FEUL2110- ...			801 - 1180			1	1
	corn.drive BS sz 70 1S 1V	FEUL2120- ...			1181 - 1600			1	1
	corn.drive BS sz 90 1S 1V	FEUL2130- ...			1601 - 1920			1	1
	corn.drive BS sz 130 1S 2V	FEUL2140- ...			1921 - 2360			1	2
15	tilt lock bear. S-ES FH	Ref. PDB, FRKA							
16	striker plate S-RS	Ref. PDB, TRSK							
17	striker plate S 56	Ref. PDB, TRSM							
on request									
18	location piece	702543	2						
19	snapper	Ref. PDB, FRZB	1		1801 - 2360				
20	sleeve	Ref. PDB, FFHU	1		1801 - 2360				
21	frame part SP-S	Ref. PDB, FRZL01	1						

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
22	stay hinge	Ref. PDB, FBWB			1
23	cover cap W PVC		FKWB0010-002 ...	836200	1
24	top hinge	Ref. PDB, FBSL01			1
25	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
26	top hinge pin diam.6	FBSB0010-1 ...			1
27	bottom hinge	Ref. PDB, FBEL01			1
28	bottom hinge pin diam.7	FBLB0060-1 ...			1
29	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
30	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
31	cover cap EB		FKEB0020-002 ...	887547	1



FAVORIT

Installation instructions



2-sash square tilt-turn/turn DSG gear

PVC

3-point security

fixed handle position

Hinge side Si-line

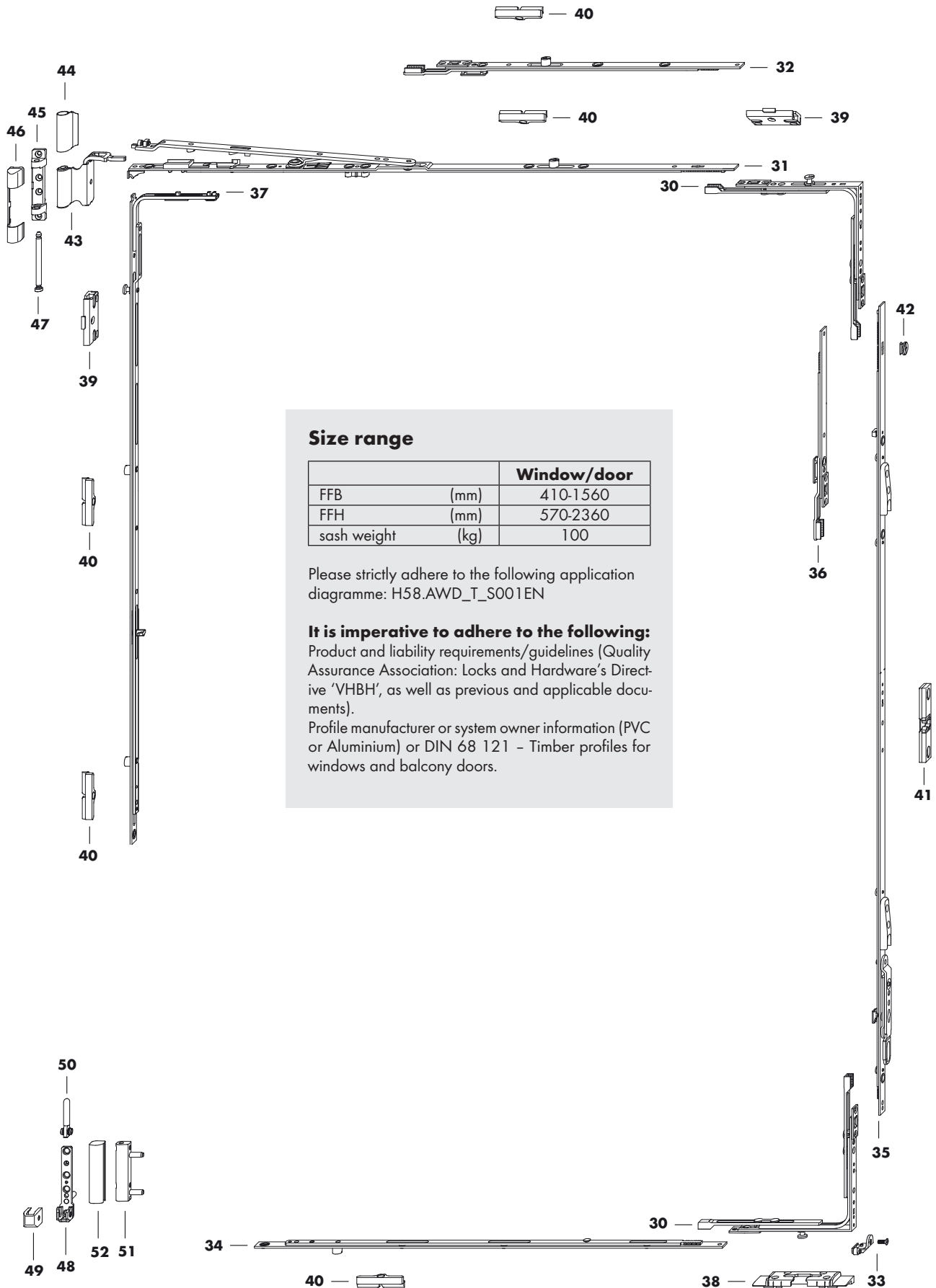
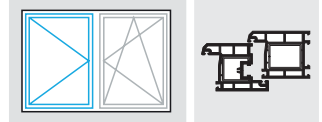
surface TS

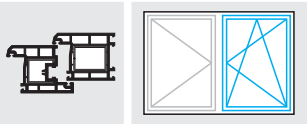
backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point; double hinge with DK-bolt</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

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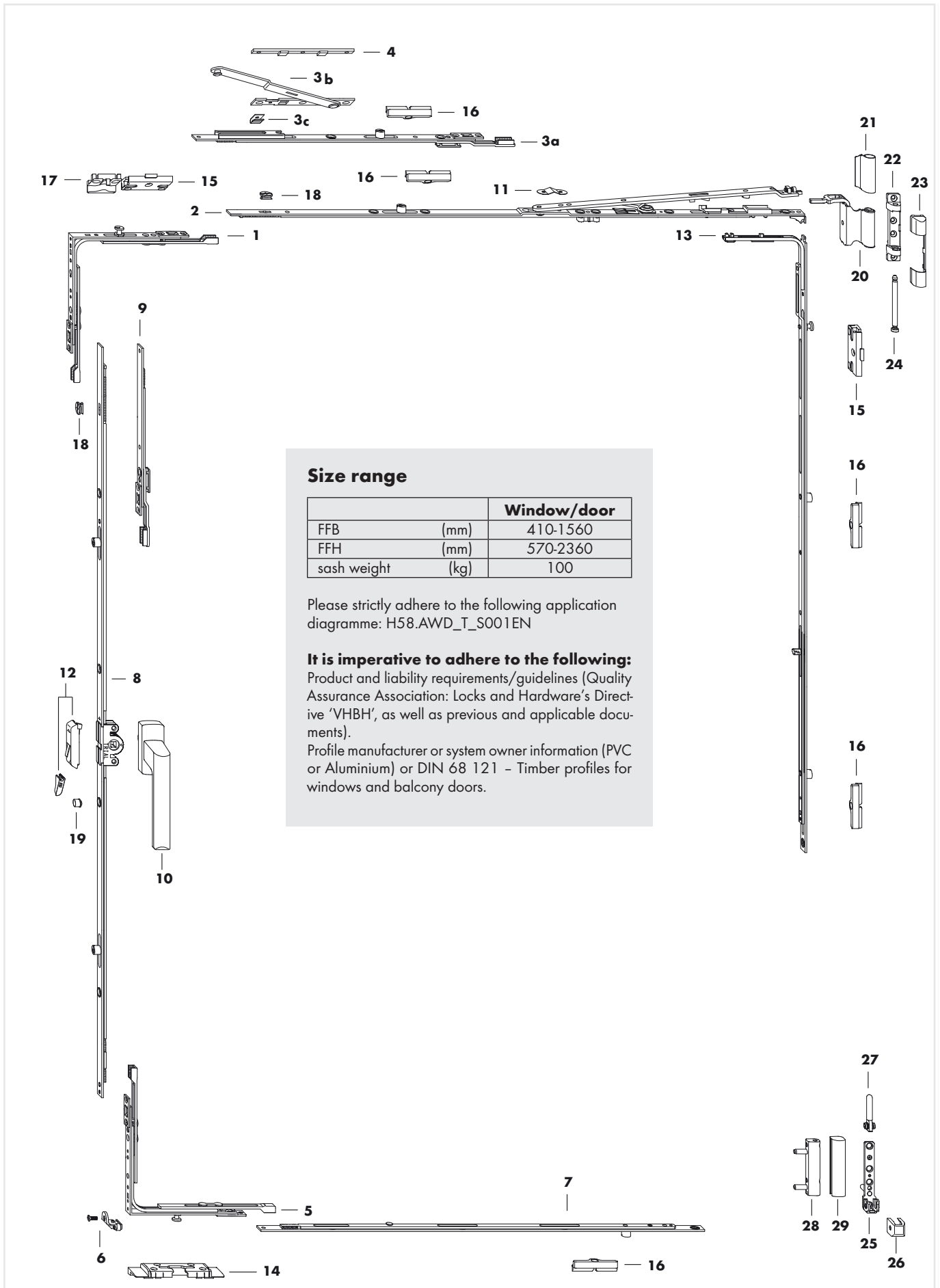


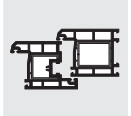
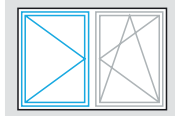
hardware layout main sash

2-sash square tilt-turn/turn DSG gear
PVC GK Hinge side Si-line

FAVORIT

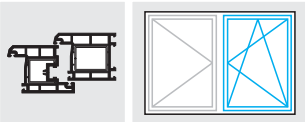
3P





Pos.	Description	Part number	QTY	FFB	FFH	Dimension G In the main sash	Number of frame parts / Pos.		
							38	39	40
30	corn.drive VS S-ES	FEUL0090- ...	2	410 - 1560			1	1	
31	stay 7 sz 30	707302	1	410 - 620					
	stay 7 sz 35 MV	707319		621 - 800					
	stay 7 sz 50 MV	707326		801 - 1030					1
	stay 7 sz 55 MV	707333		1031 - 1260					1
	stay 7 sz 50 MV	707326		1261 - 1490					1
	stay 7 sz 55 MV	707333		1491 - 1560					1
32	linkage sz 460 MV	713266	1	1261 - 1560					1
33	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560					
34	centre lock sz 50	700969	1	801 - 1260					1
	centre lock sz 70	700976		1261 - 1490					1
	centre lock sz 90	700983		1491 - 1560					1
35	sec.sash gear 16 FAV sz 60	FGKS1010- ...	1		570 - 800	290			
	sec.sash gear 16 FAV sz .80 1SB	FGKS1020- ...			801 - 1000	390			
	sec.sash gear 16 FAV sz 100 1SB	FGKS1030- ...			1001 - 1200	490			
	sec.sash gear 16 FAV sz 120 1SB	FGKS1040- ...			1201 - 1400	590			
	sec.sash gear 16 FAV sz 140 1SB	FGKS1050- ...			1401 - 1600	690			
	sec.sash gear 16 FAV sz 160 1SB	FGKS1060- ...			1601 - 1800	690			
	sec.sash gear 16 FAV sz 180 2SB	FGKS1070- ...			1801 - 2000	1090			
	sec.sash gear 16 FAV sz 200 2SB	FGKS1080- ...			2001 - 2360	1090			
36	linkage sz 230	FZSZ0030- ...	1		2201 - 2360				
37	corn.drive BS sz 20 1S	FEUL2100- ...	1		570 - 800			1	
	corn.drive BS sz 50 1S 1V	FEUL2110- ...			801 - 1180			1	1
	corn.drive BS sz 70 1S 1V	FEUL2120- ...			1181 - 1600			1	1
	corn.drive BS sz 90 1S 1V	FEUL2130- ...			1601 - 1920			1	1
	corn.drive BS sz 130 1S 2V	FEUL2140- ...			1921 - 2360			1	2
38	tilt lock bear. S-ES FH	Ref. PDB, FRKA							
39	striker plate S-RS	Ref. PDB, TRSK							
40	striker plate S 56	Ref. PDB, TRSM							
on request									
41	snapper	Ref. PDB, FRZB02	1		1801 - 2360				
42	location piece	702543	1						

Hinge side turning points					
Pos.	Description	Part number	Part number		required as per sash weight 100 kg
			surface TS	RAL9003	
43	stay hinge	Ref. PDB, FBWB			1
44	cover cap W PVC		FKWB0010-002 ...	836200	1
45	top hinge	Ref. PDB, FBSL01			1
46	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
47	top hinge pin diam.6	FBSB0010-1 ...			1
48	bottom hinge	Ref. PDB, FBEL01			1
49	bottom hinge pin diam.7	FBLB0060-1 ...			1
50	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
51	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
52	cover cap EB		FKEB0020-002 ...	887547	1



List of fittings main sash

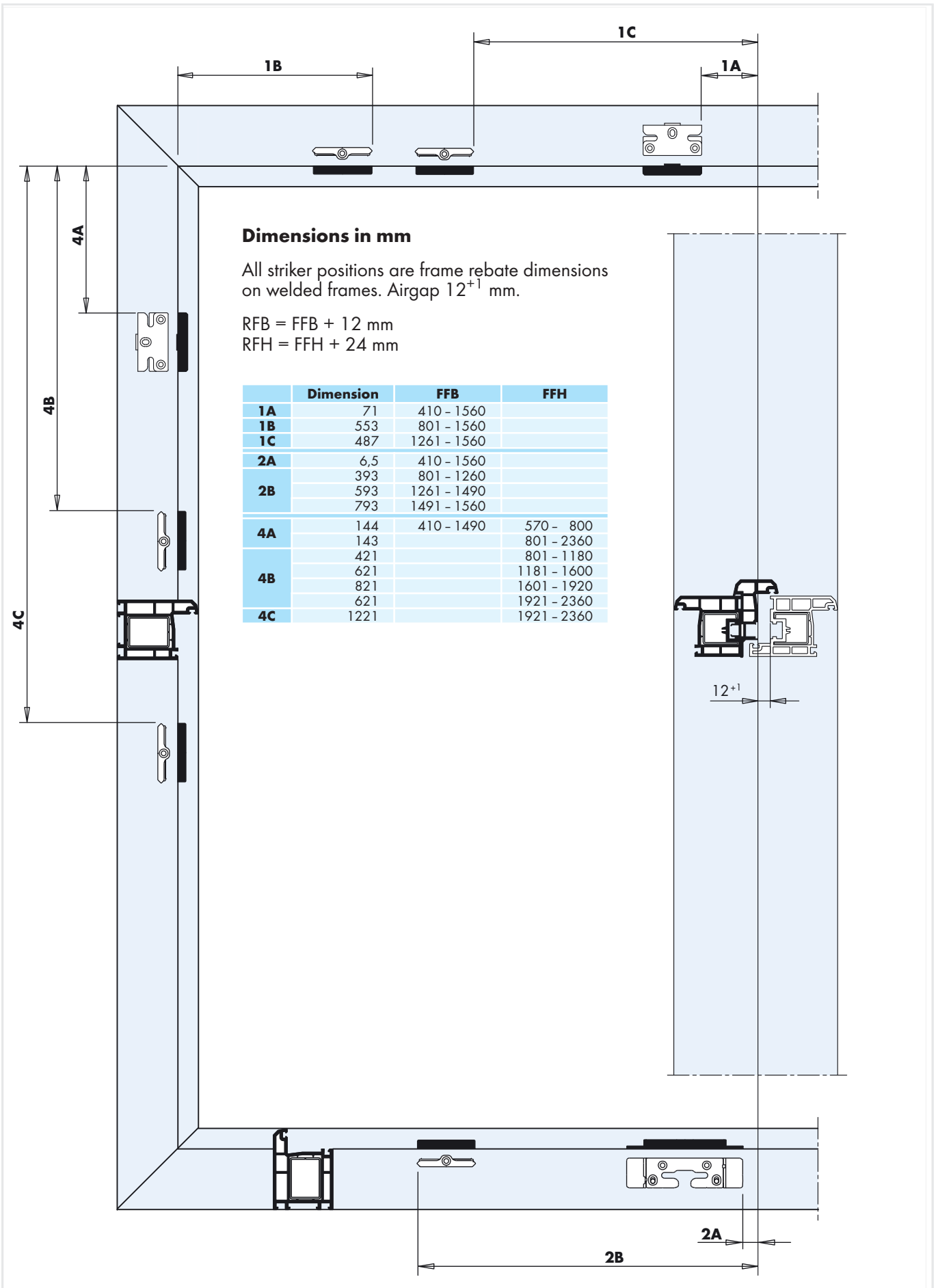
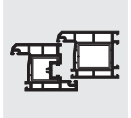
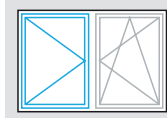
2-sash square tilt-turn/turn DSG gear
PVC GK Hinge side Si-line

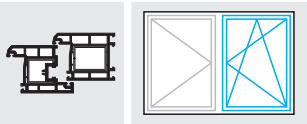
FAVORIT

3P

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.		
							14	15	16
1	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560				1	
2	stay 7 sz 30	707302	1	410 - 620					
	stay 7 sz 35 MV	707319		621 - 800					
	stay 7 sz 50 MV	707326		801 - 1030					1
	stay 7 sz 55 MV	707333		1031 - 1260					1
	stay 7 sz 50 MV	707326		1261 - 1490					1
	stay 7 sz 55 MV	707333		1491 - 1560					1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560					1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560					
5	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560	601 - 2360		1		
6	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560					
7	centre lock sz 50	700969	1	801 - 1260					1
	centre lock sz 70	700976		1261 - 1490					1
	centre lock sz 90	700983		1491 - 1560					1
8	gear 23 sz 60/G290 A0089	707159	1		570 - 800	290			
	gear 23 sz 80/G390 MV A0089	702314		801 - 1000	390				
	gear 23 sz 100/G490 MV A0089	702345		1001 - 1200	490				
	gear 23 sz 120/G590 MV A0089	702376		1201 - 1400	590				
	gear 23 sz 140/G690 MV A0089	702406		1401 - 1600	690				
	gear 23 sz 160/G690 MV A0089	702413		1601 - 1800	690				
	gear 23 sz 180/G1090 TL A0089	702437		1801 - 2000	1090				
gear 23 sz 200/G1090 TL A0089	702444	2001 - 2360	1090						
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360				
10	handle Si-line	Ref.access. ZHSS	1		570 - 2360				
11	tilt restrictor	805701	1		570 - 750				
12	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360				
13	corn.drive BS sz 20 1S	FEUL2100- ...	1		570 - 800			1	
	corn.drive BS sz 50 1S 1V	FEUL2110- ...		801 - 1180				1	1
	corn.drive BS sz 70 1S 1V	FEUL2120- ...		1181 - 1600				1	1
	corn.drive BS sz 90 1S 1V	FEUL2130- ...		1601 - 1920				1	1
	corn.drive BS sz 130 1S 2V	FEUL2140- ...		1921 - 2360				1	2
14	tilt lock bear. S-ES FH	Ref. PDB, FRKA							
15	striker plate S-RS	Ref. PDB, TRSK							
16	striker plate S 56	Ref. PDB, TRSM							
on request									
17	frame part SP-S	Ref. PDB, FRZL01	1						
18	location piece	702543	2						
19	sleeve DSG	Ref. PDB, FFHU02	1		1801 - 2360				

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
20	stay hinge	Ref. PDB, FBWB			1
21	cover cap W PVC		FKWB0010-002 ...	836200	1
22	top hinge	Ref. PDB, FBLS01			1
23	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
24	top hinge pin diam.6	FBSB0010-1 ...			1
25	bottom hinge	Ref. PDB, FBEL01			1
26	bottom hinge pin diam.7	FBLB0060-1 ...			1
27	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
28	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
29	cover cap EB		FKEB0020-002 ...	887547	1



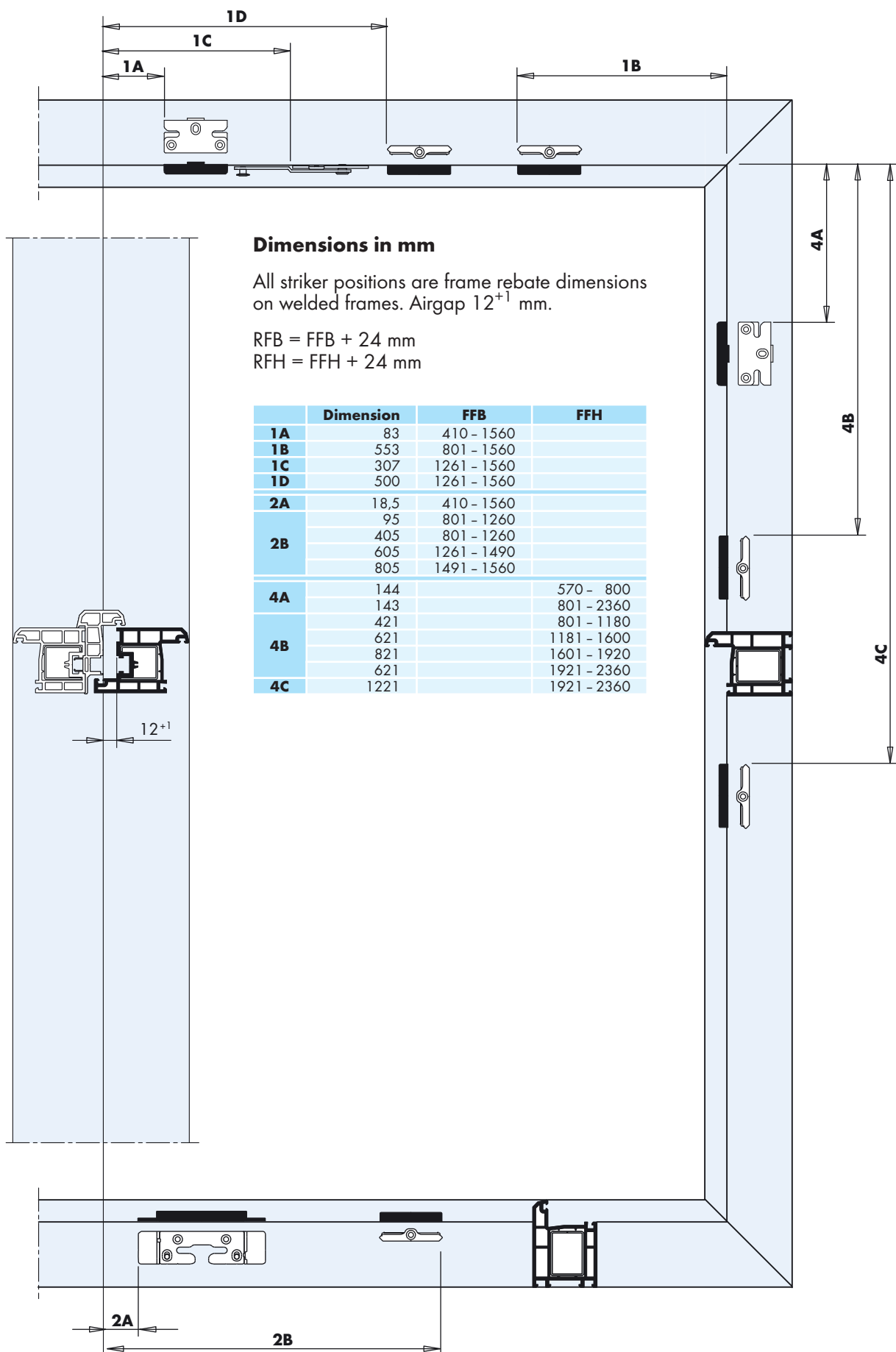


Frame dimensions main sash

2-sash square tilt-turn/turn DSG gear
PVC GK Hinge side Si-line

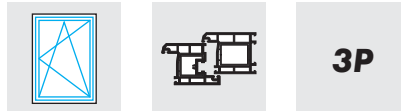
FAVORIT

3P



FAVORIT

Installation instructions



1-sash square tilt before turn (TBT)

PVC

3-point security

fixed handle position

Hinge side Si-line

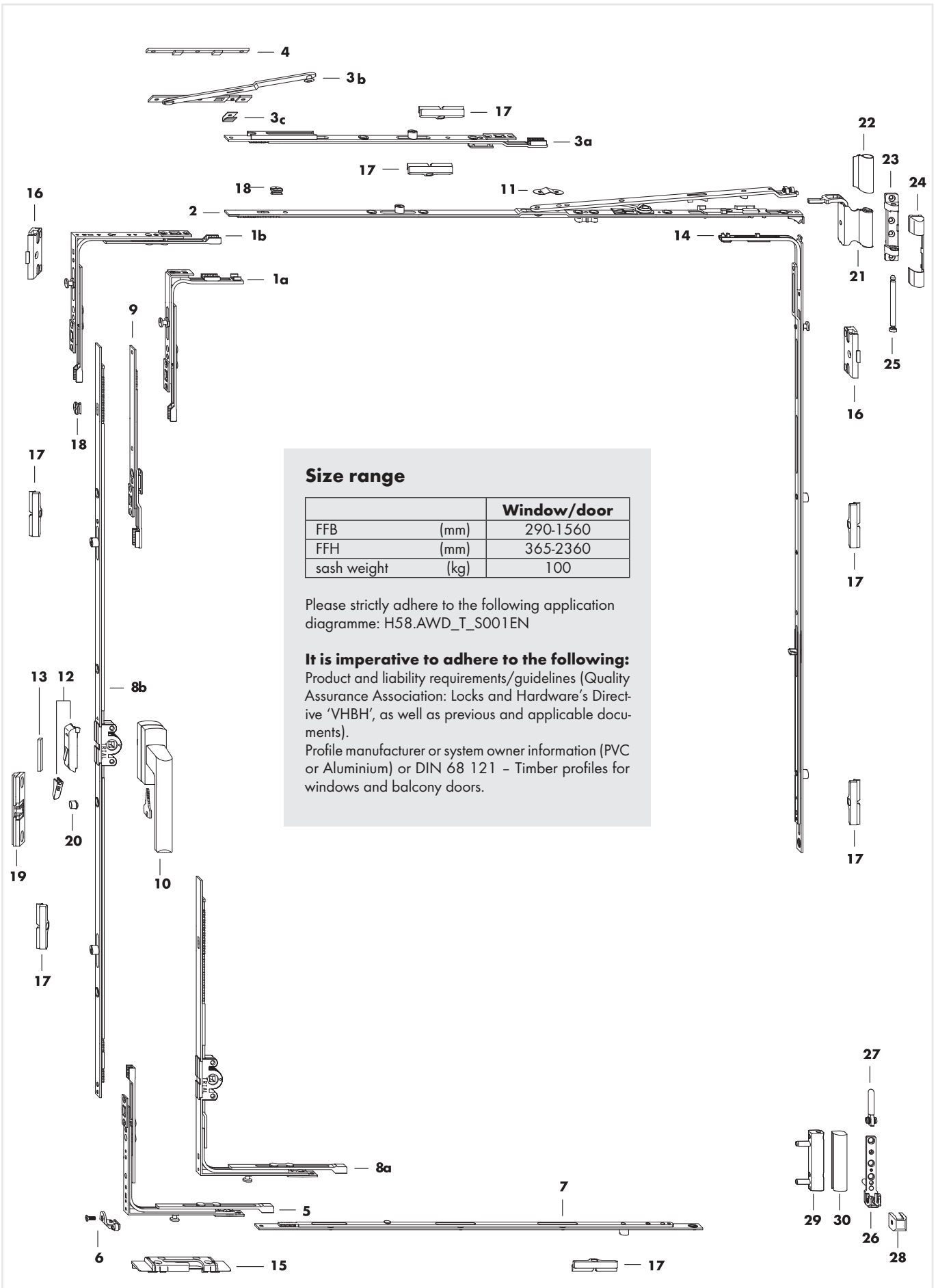
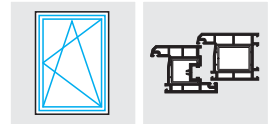
surface TS

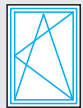
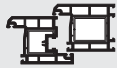
backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

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List of fittings

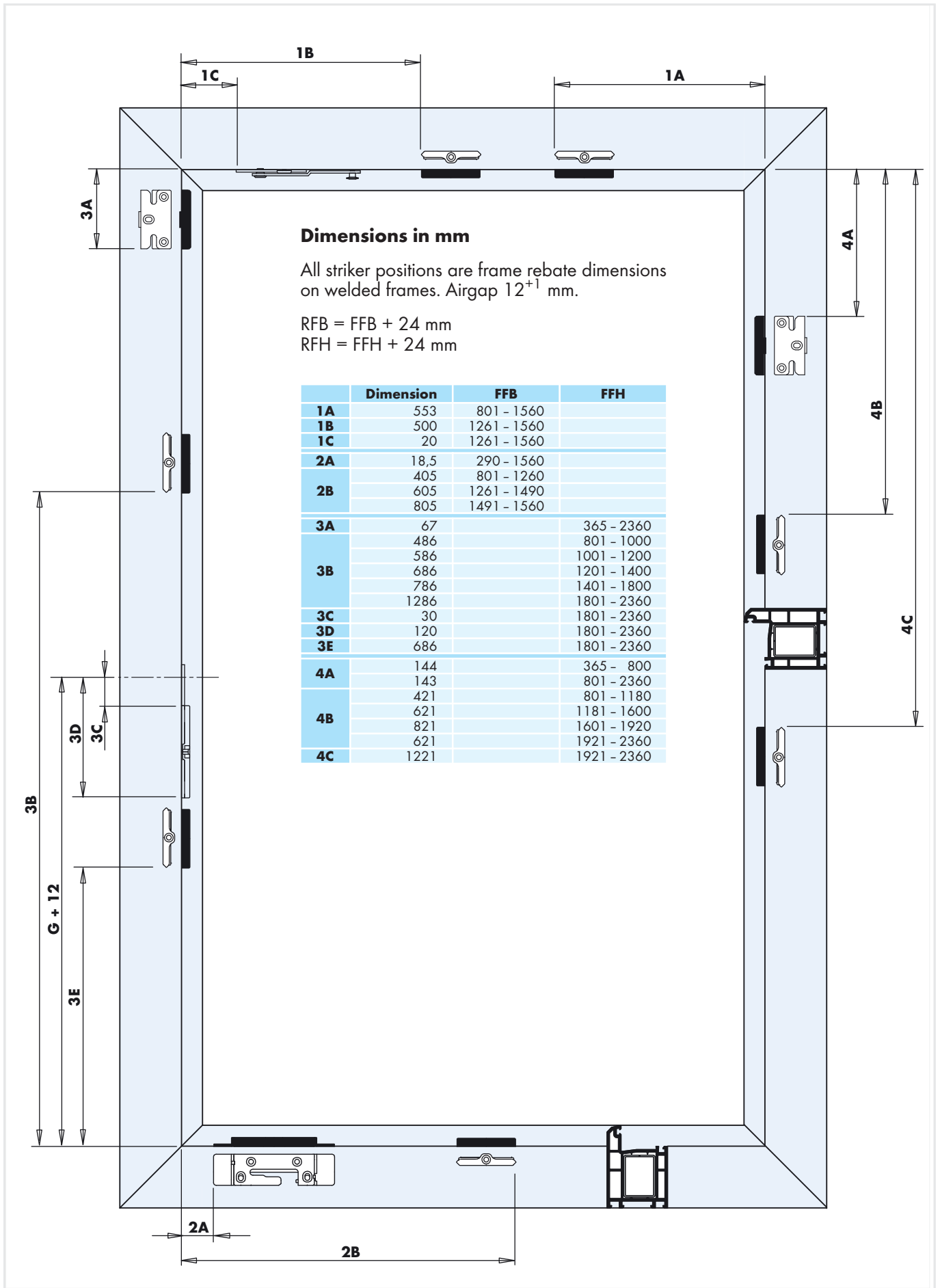
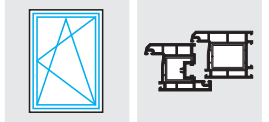
1-sash square tilt before turn (TBT)
PVC GK Hinge side Si-line

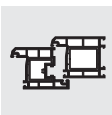
FAVORIT

3P

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.		
							15	16	17
1a	corn.drive narrow VS S-ES	703038	1	290 - 410				1	
1b	corn.drive VS S-ES	FEUL0090- ...	1	411 - 1560				1	
2	stay 7 TBT sz 30	707357	1	290 - 620					
	stay 7 TBT sz 35 MV	707364		621 - 800					
	stay 7 TBT sz 50 MV	707371		801 - 1030					1
	stay 7 TBT sz 55 MV	707388		1031 - 1260					1
	stay 7 TBT sz 50 MV	707371		1261 - 1490					1
	stay 7 TBT sz 55 MV	707388		1491 - 1560					1
3	crt.additional stay TBT	Ref. PDB, FMZS02	1	1261 - 1560					1
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560					
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	601 - 2360		1		
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560					
7	centre lock sz 50	700969	1	801 - 1260					1
	centre lock sz 70	700976		1261 - 1490					1
	centre lock sz 90	700983		1491 - 1560					1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1		
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 600	190	1		
8b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290			
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390			1
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490			1
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590			1
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690			1
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690			1
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090			2
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090			2
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360				
10	handle Si-line TBT lockable	Ref.access. ZHST	1		365 - 2360				
11	tilt restrictor	805701	1		365 - 750				
12	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360				
13	stop	Ref. PDB, FRZF01	1		1801 - 2360				
14	corn.drive BS sz 20 1S	FEUL2100- ...	1		365 - 800			1	
	corn.drive BS sz 50 1S 1V	FEUL2110- ...			801 - 1180			1	1
	corn.drive BS sz 70 1S 1V	FEUL2120- ...			1181 - 1600			1	1
	corn.drive BS sz 90 1S 1V	FEUL2130- ...			1601 - 1920			1	1
	corn.drive BS sz 130 1S 2V	FEUL2140- ...			1921 - 2360			1	2
15	tilt lock bear. S-ES FH TBT	Ref. PDB, FRKB							
16	striker plate S-RS	Ref. PDB, TRSK							
17	striker plate S 56	Ref. PDB, TRSM							
on request									
18	location piece	702543	2						
19	snapper	Ref. PDB, FRZB	1		1801 - 2360				
20	sleeve	Ref. PDB, FFHU	1		1801 - 2360				

Hinge side turning points						
Pos.	Description	Part number	Part number			required as per sash weight 100 kg
			surface TS	RAL9003	RAL8019	
21	stay hinge	Ref. PDB, FBWB				1
22	cover cap W PVC			FKWB0010-002 ...	836200	1
23	top hinge	Ref. PDB, FBSL01				1
24	cover cap S			FKSL0010-002 ...	FKSL0010-011 ...	1
25	top hinge pin diam.6	FBSB0010-1 ...				1
26	bottom hinge	Ref. PDB, FBEL01				1
27	bottom hinge pin diam.7	FBLB0060-1 ...				1
28	cover cap EL U			FKEU0010-002 ...	FKEU0010-011 ...	1
29	corner hinge PVC diam.6x16/16	FBEB0010-1 ...				1
30	cover cap EB			FKEB0020-002 ...	887547	1





3 - Directory

Installation instructions PVC

Centre handle pos. (variable)

FAVORIT

Vertical tilt point

Basic security

1-sash square tilt-turn	H48.FAVKFM0S003EN	3 - 3
2-sash square tilt-turn/turn shoot bolt	H48.FAVKFM0S012EN	3 - 7

Horizontal tilt point

Basic security

1-sash square tilt-turn	H48.FAVKFM0S002EN	3 - 15
2-sash square tilt-turn/turn DS 16	H48.FAVKFM0S020EN	3 - 19
2-sash square tilt-turn/turn shoot bolt	H48.FAVKFM0S008EN	3 - 27
1-sash square tilt-turn hinge side V-V	H48.FAVKFM0S016EN	3 - 35

Tilt before turn (TBT)

1-sash square tilt before turn (TBT)	H48.FAVKFM0S004EN	3 - 41
1-sash square tilt before turn (TBT) hinge side V-V	H48.FAVKFM0S017EN	3 - 45

Turn only sash

1-sash square turn, Gear DF	H48.FAVKFM0S005EN	3 - 51
1-sash square turn, Gear DK	H48.FAVKFM0S014EN	3 - 55
1-sash square turn, Gear DK hinge side V-V	H48.FAVKFM0S018EN	3 - 59

3P

1-sash square tilt-turn	H48.FAVKFM0S001EN	3 - 65
2-sash square tilt-turn/turn DS 16	H48.FAVKFM0S022EN	3 - 69

Tilt before turn (TBT)

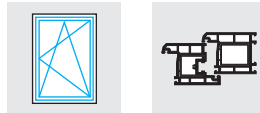
1-sash square tilt before turn (TBT)	H48.FAVKFM0S013EN	3 - 77
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Tilt sash

1-sash square tilt	H48.FAVKFM0S015EN	3 - 81
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FAVORIT

Installation instructions



1-sash square tilt-turn

PVC

none

centre handle pos. (variable)

Hinge side Si-line

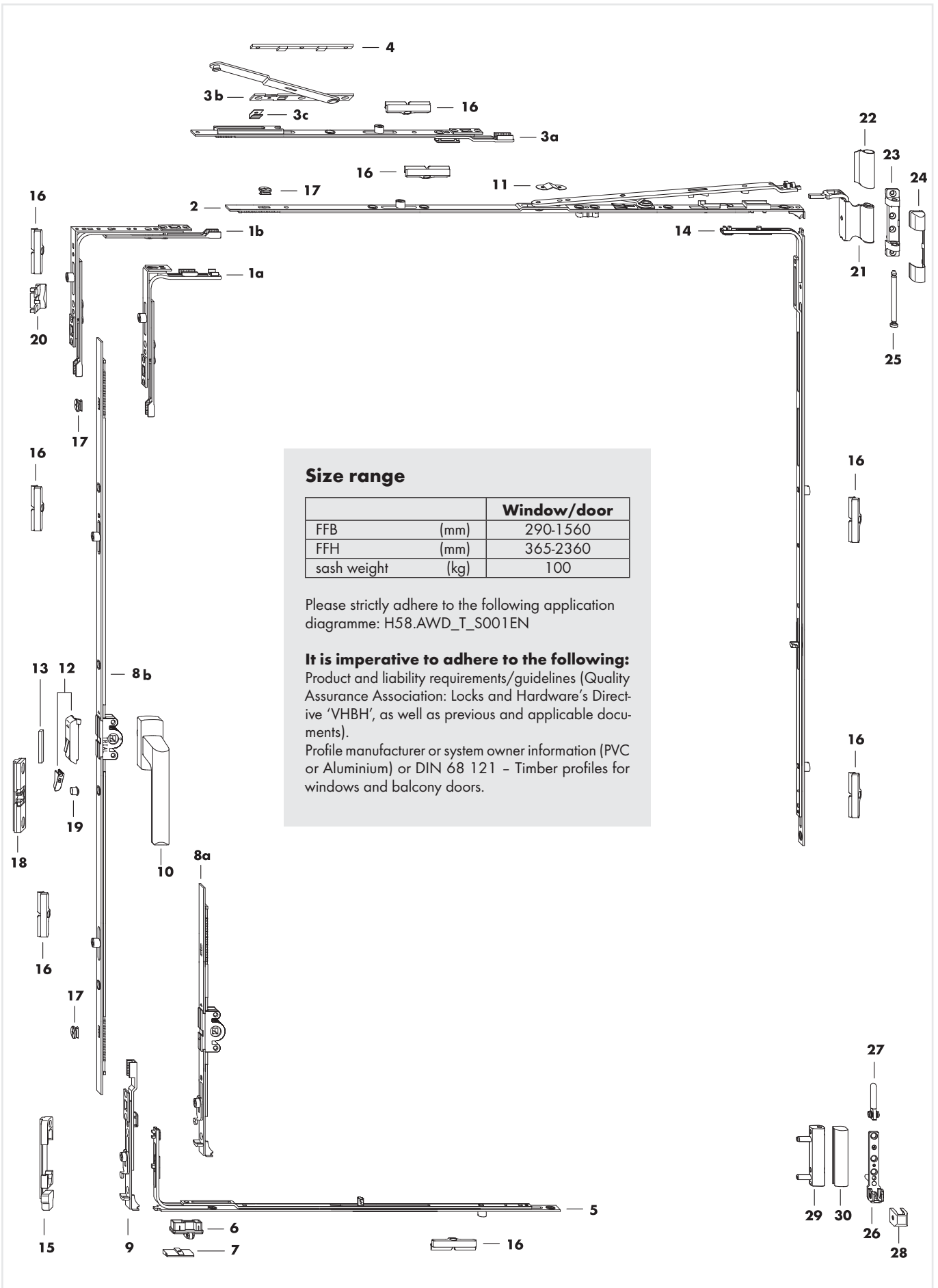
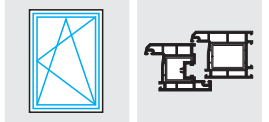
surface TS

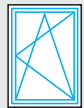
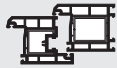
backset 16 mm

Hardware set configuration

<i>General</i>	<i>vertical tilt point</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

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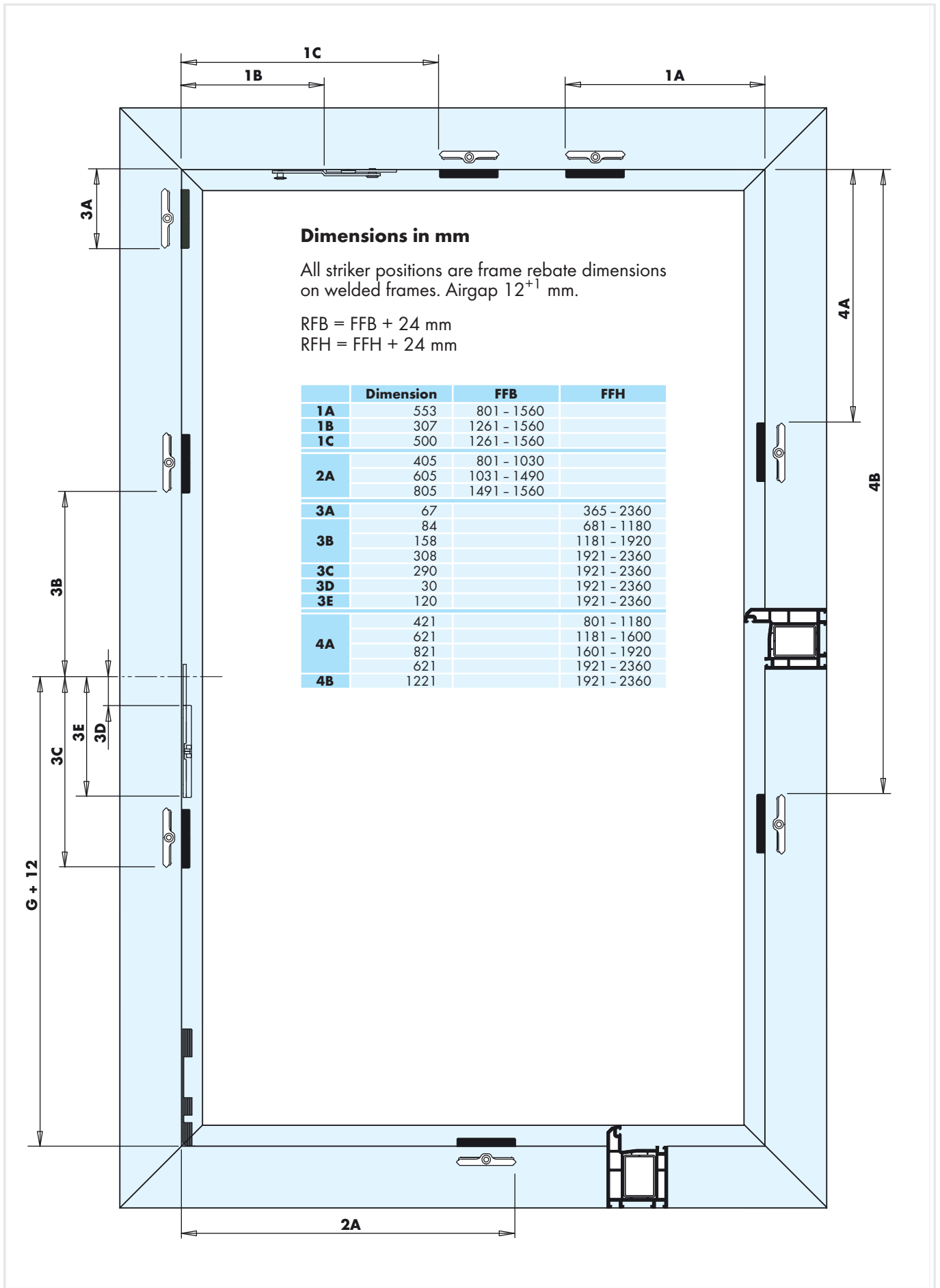
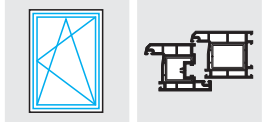
List of fittings

1-sash square tilt-turn
PVC GM Hinge side Si-line

FAVORIT

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							15	16
1a	corn.drive narrow VSO	702925	1	290 - 410				1
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				1
2	stay 7 sz 30	707302	1	290 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				1
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560				
5	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1	801 - 1030				1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1031 - 1490				1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1491 - 1560				1
6	sash lift .. A2000	TFFH0010- ...	1	290 - 800				
7	run-up FH/TiP	Ref. PDB, TRAL	1	290 - 800				
8a	gear 23 sz 40/G125	707050	1		365 - 430	125	1	
	gear 23 sz 50/G190	707067			431 - 480	190	1	
8b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1180	340 - 590		1
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730		1
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960		1
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180		2
9	filt lock element	701072	1		481 - 2360		1	
10	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
11	filt restrictor	805701	1		365 - 750			
12	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
13	stop	Ref. PDB, FRZF01	1		1921 - 2360			
14	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		801 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
15	filt striker plate	Ref. PDB, FRKS						
16	striker plate S 56	Ref. PDB, TRSM						
on request								
17	location piece	702543	3					
8b	gear 3 sz 3/2 MV	701805	1		1461 - 1920	730 - 960		2
18	snapper	Ref. PDB, FRZB	1		1921 - 2360			
19	sleeve	Ref. PDB, FFHU	1		1921 - 2360			
20	frame part SP-S	Ref. PDB, FRZL01	1					

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
21	stay hinge	Ref. PDB, FBWB			1
22	cover cap W PVC		FKWB0010-002 ...	836200	1
23	top hinge	Ref. PDB, FBLS01			1
24	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
25	top hinge pin diam.6	FBSB0010-1 ...			1
26	bottom hinge	Ref. PDB, FBEL01			1
27	bottom hinge pin diam.7	FBLB0060-1 ...			1
28	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
29	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
30	cover cap EB		FKEB0020-002 ...	887547	1



FAVORIT

Installation instructions



2-sash square tilt-turn/turn shoot bolt

PVC

none

centre handle pos. (variable)

Hinge side Si-line

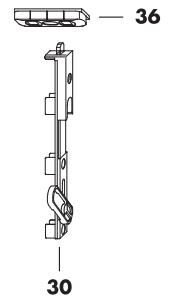
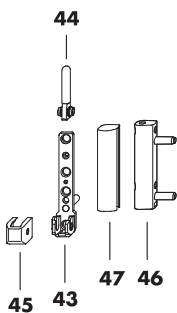
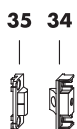
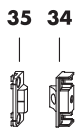
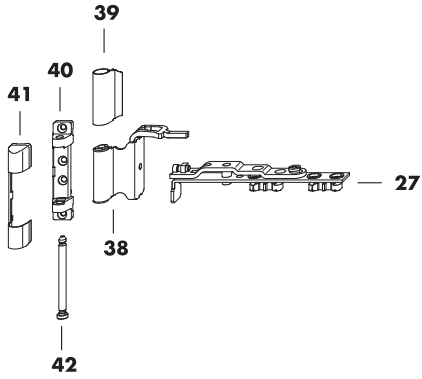
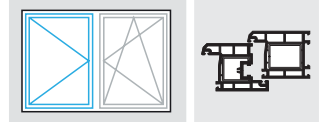
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>vertical tilt point</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).



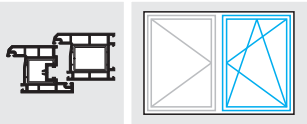
Size range

		Window/door
FFB	(mm)	230-800
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

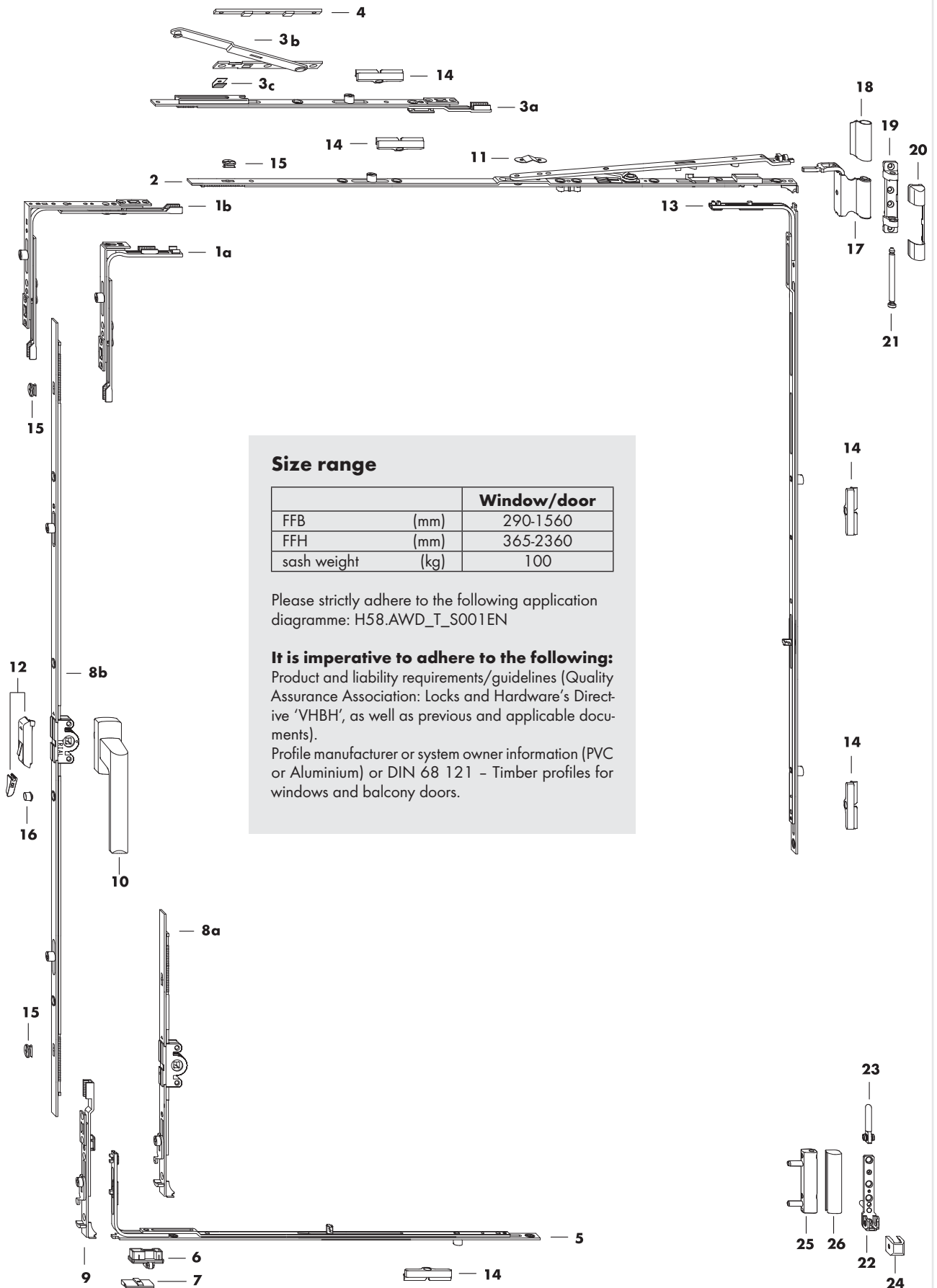
Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



hardware layout main sash

2-sash square tilt-turn/turn shoot bolt
PVC GM Hinge side Si-line

FAVORIT



Size range

		Window/door
FFB	(mm)	290-1560
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

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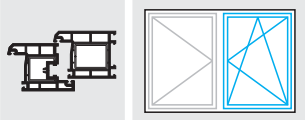
Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.

List of fittings slave sash

 2-sash square tilt-turn/turn shoot bolt
 PVC GM Hinge side Si-line


Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.
						In the main sash	
27	stay 7 DF	707340	1	230 - 800			
28	sash lift .. A2000	TFFH0010- ...	1	230 - 800			
29	run-up FH/TiP	Ref. PDB, TRAL	1	230 - 800			
30	shoot bolt VSO A2000	701195	1		365 - 2360		1
31	shoot bolt VSU A2000	701126	1		365 - 2360		1
32	striker plate 56 A2000	TRSB0030- ...	1		681 - 1180	340 - 590	
	striker plate 56 A2000	TRSB0030- ...		1181 - 1460	590 - 730		
	striker plate 56 A2000	TRSB0030- ...		1461 - 1920	730 - 960		
	striker plate 56 A2000	TRSB0030- ...	2	1921 - 2360	960 - 1180		
33	stop 2,2mm	710937	1		1921 - 2360		
34	sash part MV	Ref. PDB, ZFMV01	1		801 - 1600		
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360		
35	frame part MV	Ref. PDB, ZRZM01	1		801 - 1600		
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360		
36	striker V	Ref. PDB, FRZV01					
on request							
37	snapper A2000	709313	1		1921 - 2360		

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
38	stay hinge	Ref. PDB, FBWB			1
39	cover cap W PVC		FKWB0010-002 ...	836200	1
40	top hinge	Ref. PDB, FBLS01			1
41	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
42	top hinge pin diam.6	FBSB0010-1 ...			1
43	bottom hinge	Ref. PDB, FBEL01			1
44	bottom hinge pin diam.7	FBLB0060-1 ...			1
45	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
46	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
47	cover cap EB		FKEB0020-002 ...	887547	1



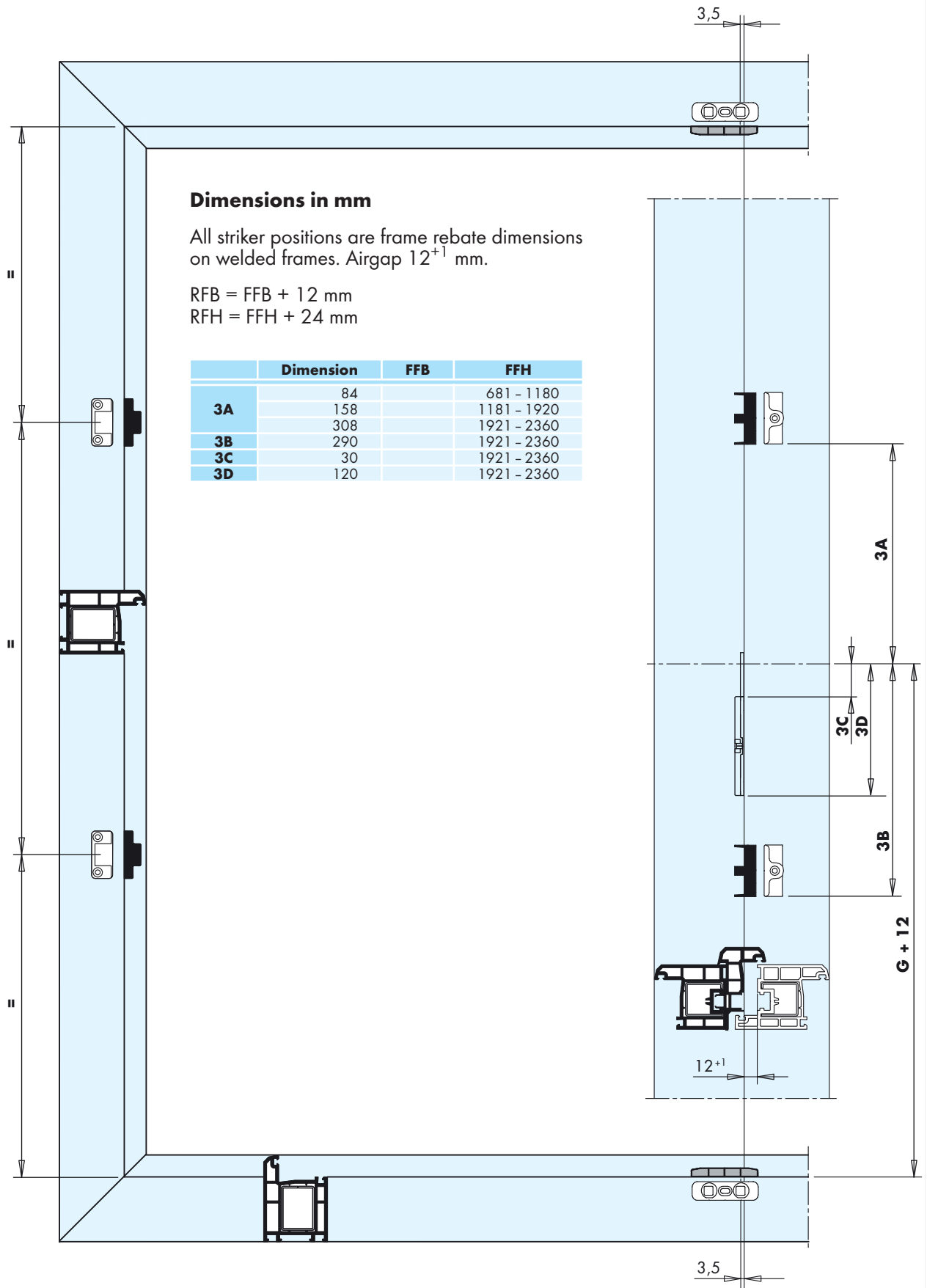
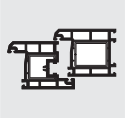
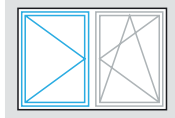
List of fittings main sash

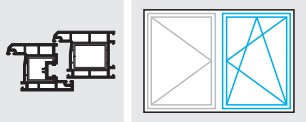
2-sash square tilt-turn/turn shoot bolt
PVC GM Hinge side Si-line

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Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							14	
1a	corn.drive narrow VSO	702925	1	290 - 410				
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				
2	stay 7 sz 30	707302	1	290 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				1
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560				
5	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1	801 - 1030				1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1031 - 1490				1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1491 - 1560				1
6	sash lift .. A2000	TFFH0010- ...	1	290 - 800				
7	run-up FH/TiP	Ref. PDB, TRAL	1	290 - 800				
8a	gear 23 sz 40/G125	707050	1		365 - 430	125		
	gear 23 sz 50/G190	707067			431 - 480	190		
8b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1180	340 - 590		
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730		
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960		
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180		
9	tilt lock element	701072	1		481 - 2360			
10	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
11	filt restrictor	805701	1		365 - 750			
12	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
13	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		801 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
14	striker plate S 56	Ref. PDB, TRSM						
on request								
15	location piece	702543	3					
8b	gear 3 sz 3/2 MV	701805	1		1461 - 1920	730 - 960		
16	sleeve KRL	Ref. PDB, FFHU01	1		1921 - 2360			

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
17	stay hinge	Ref. PDB, FBWB			1
18	cover cap W PVC		FKWB0010-002 ...	836200	1
19	top hinge	Ref. PDB, FBSL01			1
20	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
21	top hinge pin diam.6	FBSB0010-1 ...			1
22	bottom hinge	Ref. PDB, FBEL01			1
23	bottom hinge pin diam.7	FBLB0060-1 ...			1
24	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
25	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
26	cover cap EB		FKEB0020-002 ...	887547	1

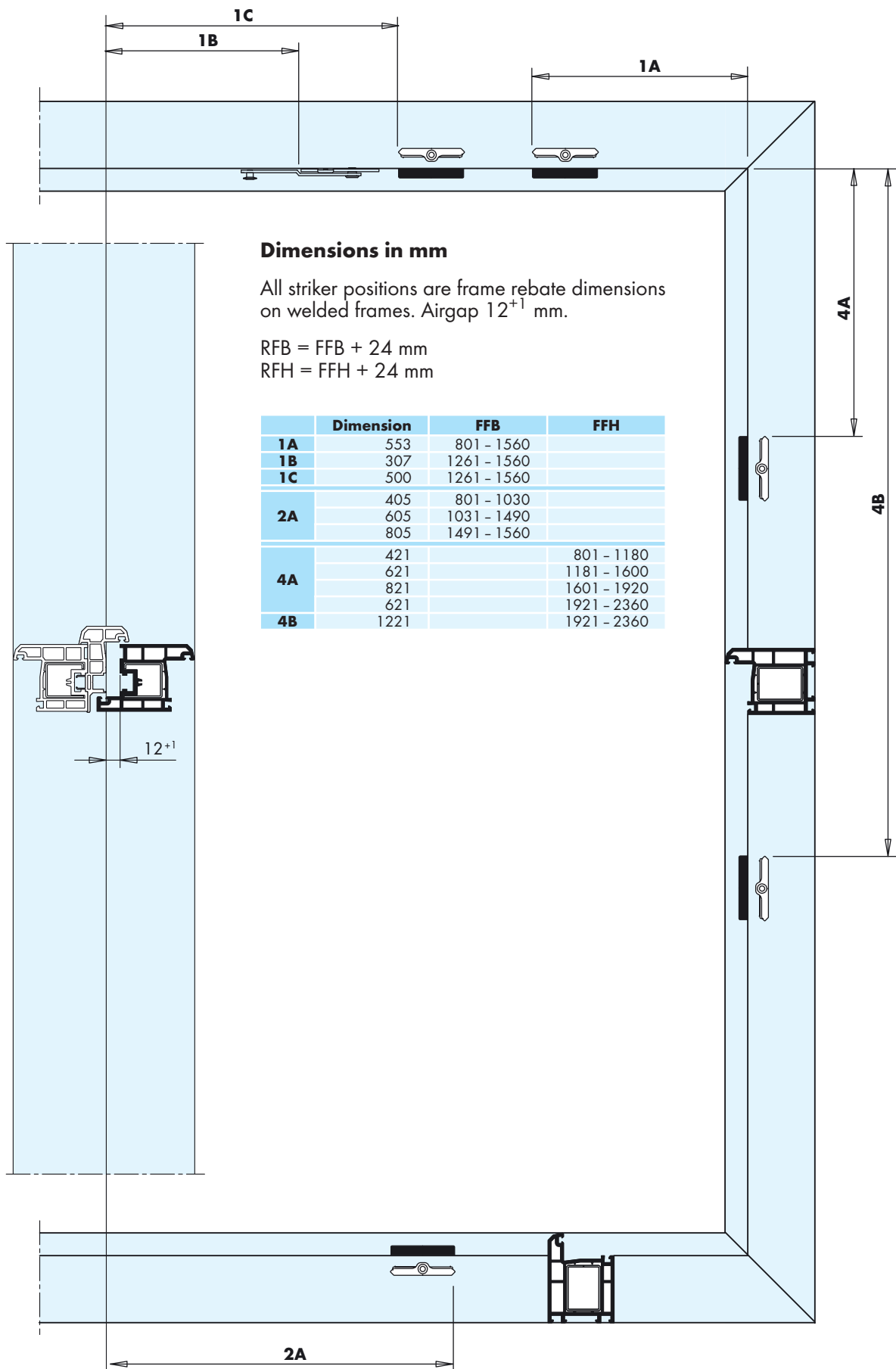




Frame dimensions main sash

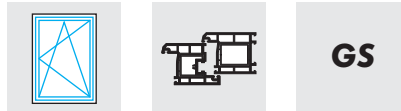
2-sash square tilt-turn/turn shoot bolt
PVC GM Hinge side Si-line

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Installation instructions



1-sash square tilt-turn

PVC

basic security

centre handle pos. (variable)

Hinge side Si-line

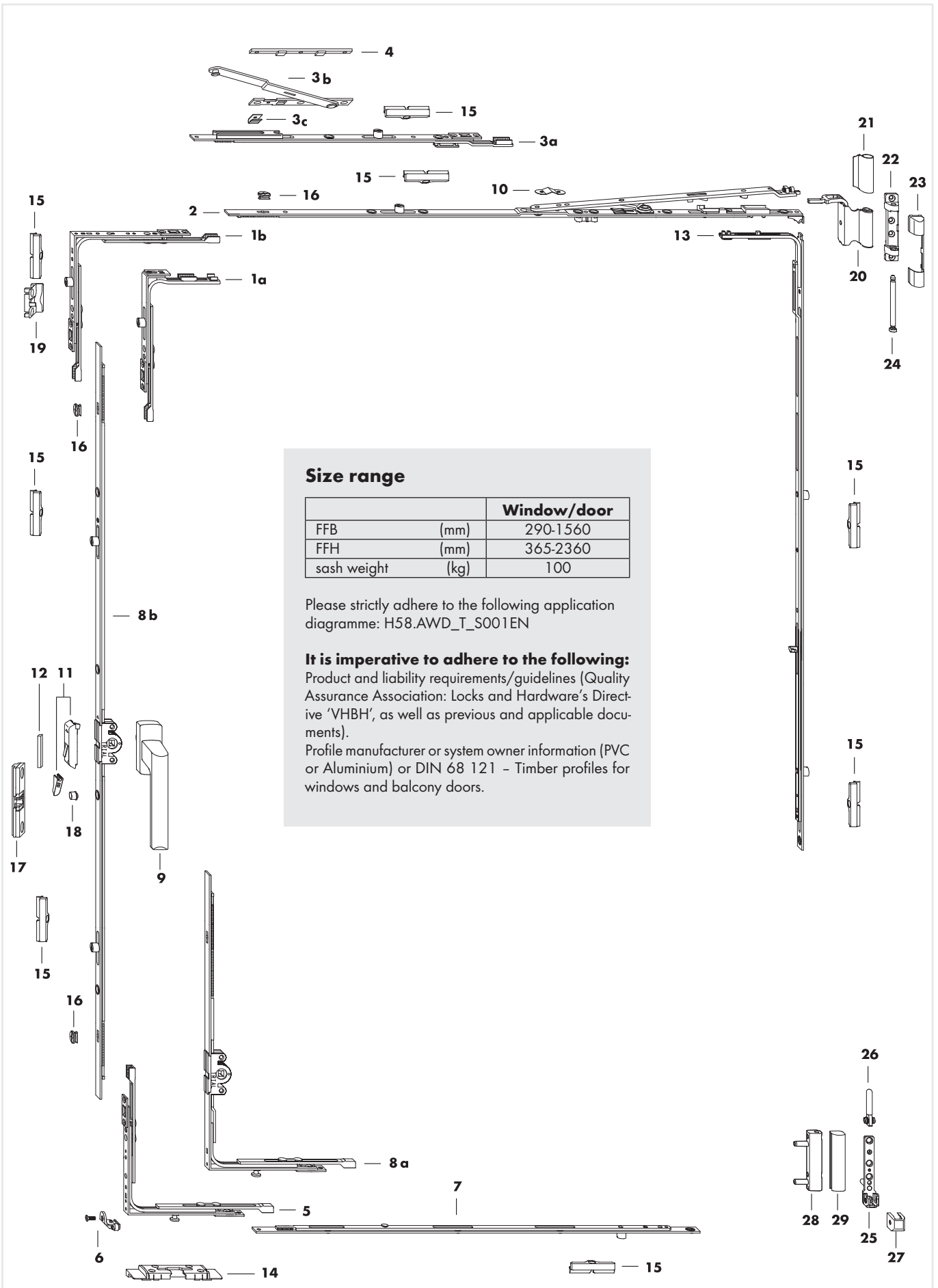
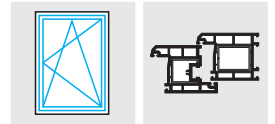
surface TS

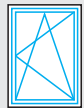
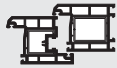
backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).





List of fittings

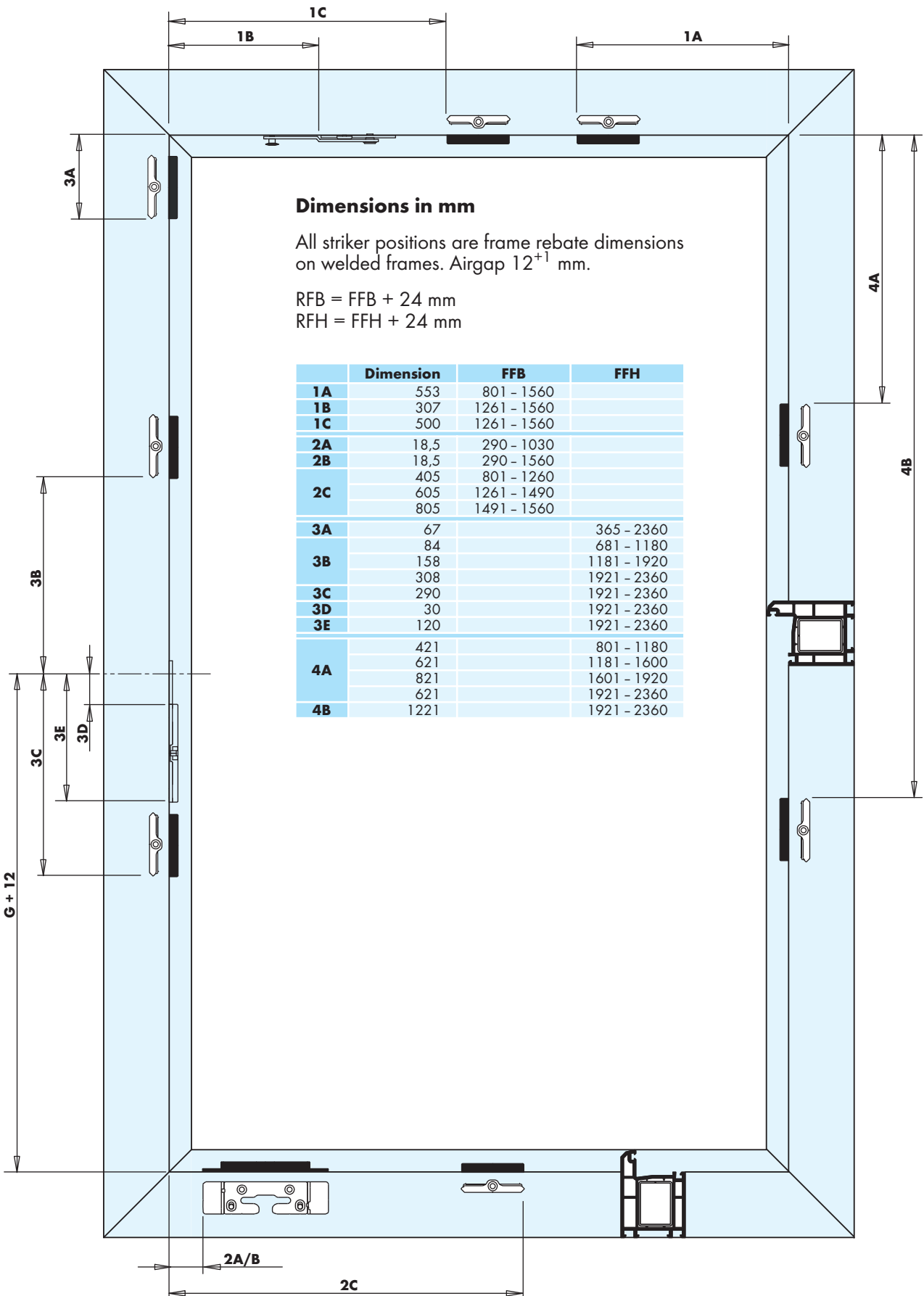
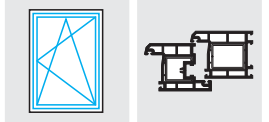
1-sash square tilt-turn
PVC GM Hinge side Si-line

FAVORIT

GS

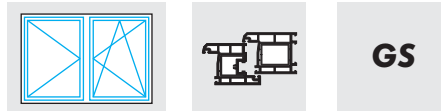
Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							14	15
1a	corn.drive narrow VSO	702925	1	290 - 410				1
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				1
2	stay 7 sz 30	707302	1	290 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				1
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	481 - 2360		1	
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560				
7	centre lock sz 50	700969	1	801 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 480	190	1	
8b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1180	340 - 590		1
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730		1
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960		1
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180		2
9	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
10	tilt restrictor	805701	1		365 - 750			
11	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
12	stop	Ref. PDB, FRZF01	1		1921 - 2360			
13	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		801 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
14	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
15	striker plate S 56	Ref. PDB, TRSM						
on request								
16	location piece	702543	3					
8b	gear 3 sz 3/2 MV	701805	1		1461 - 1920	730 - 960		2
17	snapper	Ref. PDB, FRZB	1		1921 - 2360			
18	sleeve	Ref. PDB, FFHU	1		1921 - 2360			
19	frame part SP-S	Ref. PDB, FRZL01	1					

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
20	stay hinge	Ref. PDB, FBWB			1
21	cover cap W PVC		FKWB0010-002 ...	836200	1
22	top hinge	Ref. PDB, FBSL01			1
23	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
24	top hinge pin diam.6	FBSB0010-1 ...			1
25	bottom hinge	Ref. PDB, FBEL01			1
26	bottom hinge pin diam.7	FBLB0060-1 ...			1
27	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
28	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
29	cover cap EB		FKEB0020-002 ...	887547	1



FAVORIT

Installation instructions



2-sash square tilt-turn/turn DSG gear

PVC

basic security

centre handle pos. (variable)

Hinge side Si-line

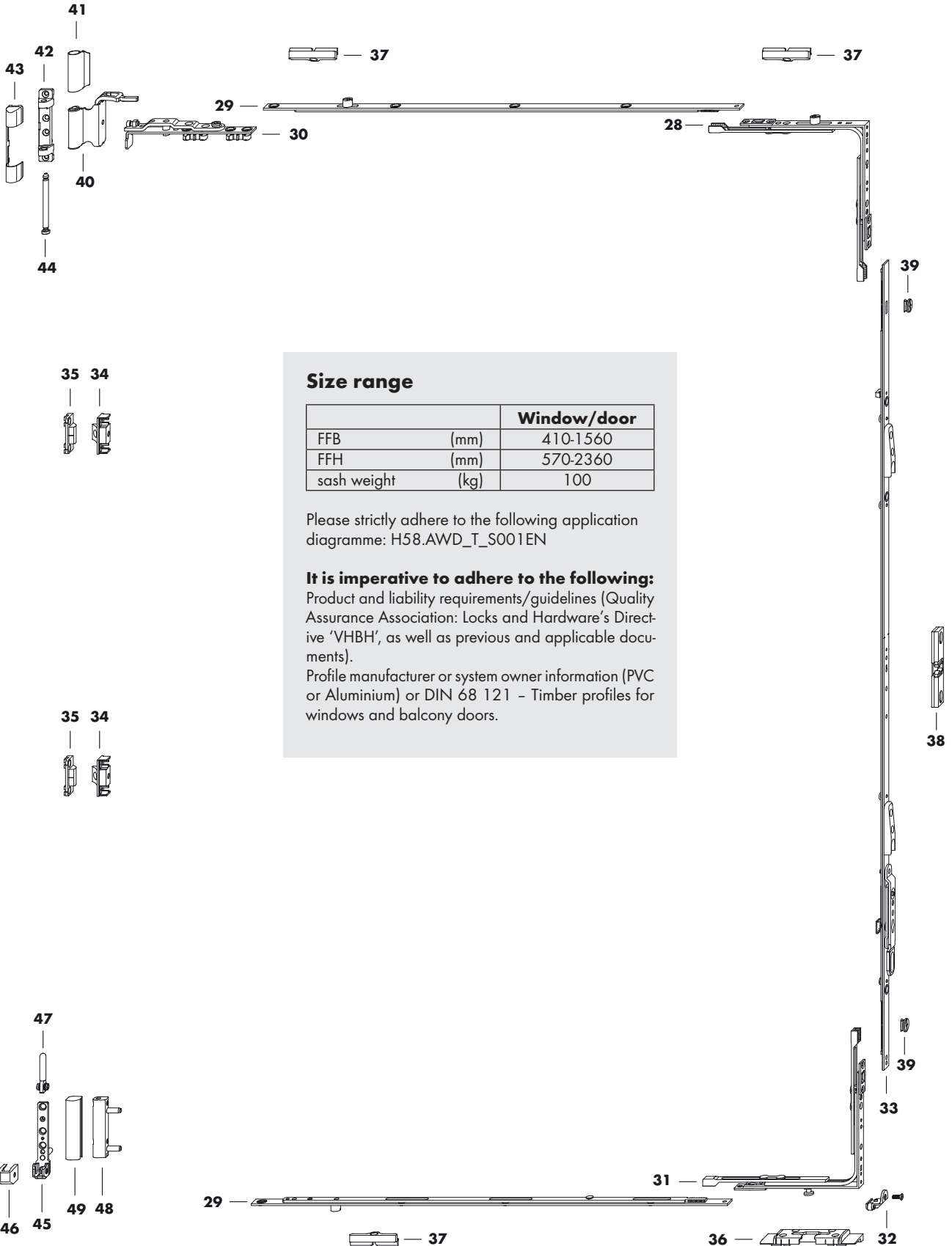
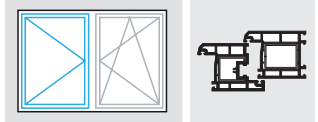
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).



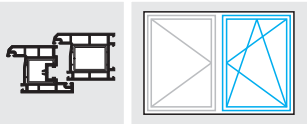
Size range

		Window/door
FFB	(mm)	410-1560
FFH	(mm)	570-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
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Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.

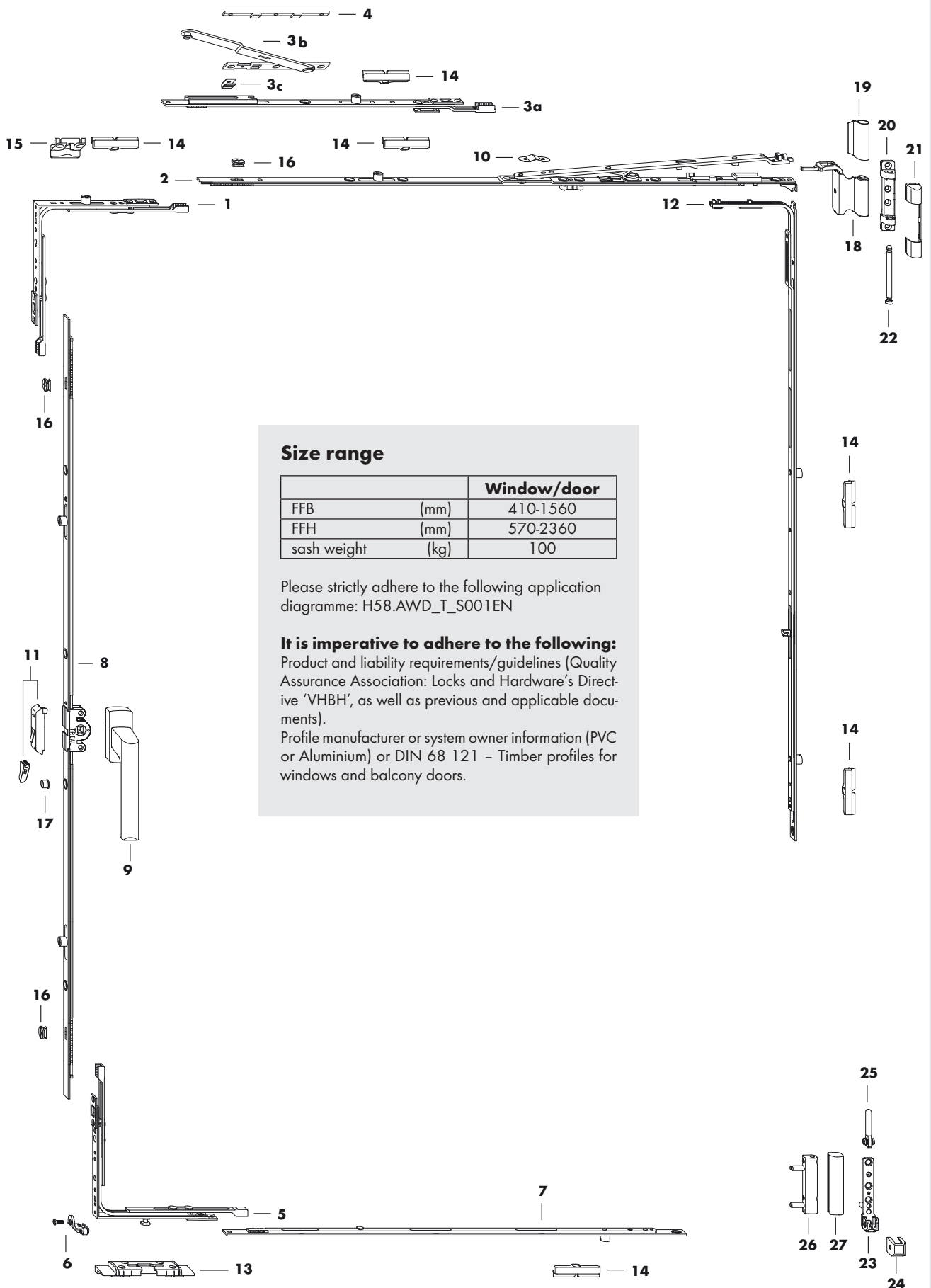


hardware layout main sash

2-sash square tilt-turn/turn DSG gear
PVC GM Hinge side Si-line

FAVORIT

GS



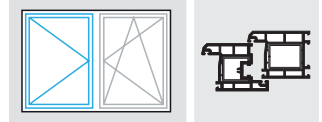
Size range

		Window/door
FFB	(mm)	410-1560
FFH	(mm)	570-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

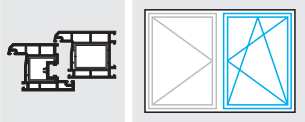
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Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



Pos.	Description	Part number	QTY	FFB	FFH	Dimension G In the main sash	Number of frame parts / Pos.	
							36	37
28	corn.drive VSO ..	FEUL0230- ...	1	410 - 1560				1
29	centre lock sz 50	700969	2	801 - 1260				2
	centre lock sz 70	700976		1261 - 1490				2
	centre lock sz 90	700983		1491 - 1560				2
30	stay 7 DF	707340	1	410 - 1560				
31	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560			1	
32	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560				
33	sec.sash gear 16 FAV sz 60	FGKS1010- ...	1		570 - 680	285 - 340		
	sec.sash gear 16 FAV sz 70 1SB	FGMS1010- ...			681 - 1180	340 - 590		
	sec.sash gear 16 FAV sz 100 1SB	FGMS1020- ...			1181 - 1460	590 - 730		
	sec.sash gear 16 FAV sz 150 1SB	FGMS1040- ...			1461 - 1920	730 - 960		
	sec.sash gear 16 FAV sz 200 2SB	FGMS1060- ...			1921 - 2360	960 - 1180		
34	sash part MV	Ref. PDB, ZFMV01	1		801 - 1600			
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360			
35	frame part MV	Ref. PDB, ZRZM01	1		801 - 1600			
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360			
36	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
37	striker plate S 56	Ref. PDB, TRSM						
on request								
38	snapper	Ref. PDB, FRZB02	1		1921 - 2360			
39	location piece	702543	2					

Hinge side turning points						
Pos.	Description	Part number	Part number			required as per sash weight 100 kg
			surface TS	RAL9003	RAL8019	
40	stay hinge	Ref. PDB, FBWB				1
41	cover cap W PVC			FKWB0010-002 ...	836200	1
42	top hinge	Ref. PDB, FBLS01				1
43	cover cap S			FKSL0010-002 ...	FKSL0010-011 ...	1
44	top hinge pin diam.6	FBSB0010-1 ...				1
45	bottom hinge	Ref. PDB, FBEL01				1
46	bottom hinge pin diam.7	FBLB0060-1 ...				1
47	cover cap EL U			FKEU0010-002 ...	FKEU0010-011 ...	1
48	corner hinge PVC diam.6x16/16	FBEB0010-1 ...				1
49	cover cap EB			FKEB0020-002 ...	887547	1



List of fittings main sash

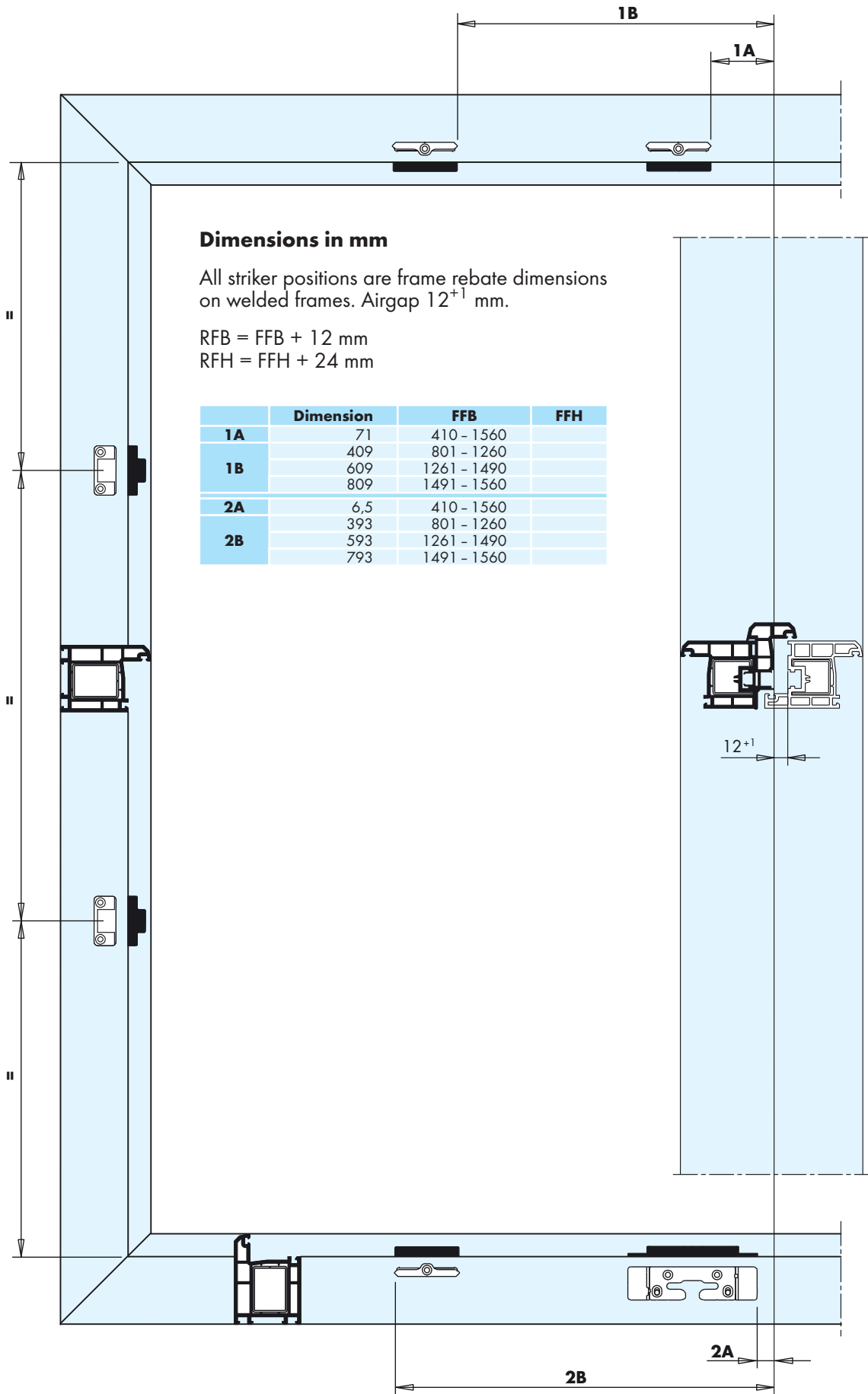
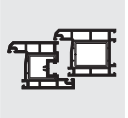
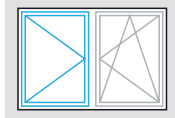
2-sash square tilt-turn/turn DSG gear
PVC GM Hinge side Si-line

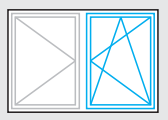
FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							13	14
1	corn.drive VSO ..	FEUL0230- ...	1	410 - 1560				1
2	stay 7 sz 30	707302	1	410 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				1
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560			1	
6	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560				
7	centre lock sz 50	700969	1	801 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8	gear 3 sz 0	FGMK3050- ...	1		570 - 680	285 - 340		
	gear 3 sz 1a MV	FGMK3070- ...		681 - 1180	340 - 590			
	gear 3 sz 2 MV	FGMK3080- ...		1181 - 1460	590 - 730			
	gear 3 sz 3 MV	FGMK3090- ...		1461 - 1920	730 - 960			
	gear 3 sz 4 TL	FGMK3100- ...		1921 - 2360	960 - 1180			
9	handle Si-line	Ref.access. ZHSS	1		570 - 2360			
10	tilt restrictor	805701	1		570 - 750			
11	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
12	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		801 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1181 - 1600				1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1601 - 1920				1
	corn.drive BS sz 130	703045		1921 - 2360				2
13	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
14	striker plate S 56	Ref. PDB, TRSM						
on request								
15	frame part SP-S	Ref. PDB, FRZL01	1					
16	location piece	702543	3					
17	sleeve DSG	Ref. PDB, FFHU02	1		1921 - 2360			

Hinge side turning points						
Pos.	Description	Part number	Part number			required as per sash weight 100 kg
			surface TS	RAL9003	RAL8019	
18	stay hinge	Ref. PDB, FBWB				1
19	cover cap W PVC			FKWB0010-002 ...	836200	1
20	top hinge	Ref. PDB, FBSL01				1
21	cover cap S			FKSL0010-002 ...	FKSL0010-011 ...	1
22	top hinge pin diam.6	FBSB0010-1 ...				1
23	bottom hinge	Ref. PDB, FBEL01				1
24	bottom hinge pin diam.7	FBLB0060-1 ...				1
25	cover cap EL U			FKEU0010-002 ...	FKEU0010-011 ...	1
26	corner hinge PVC diam.6x16/16	FBEB0010-1 ...				1
27	cover cap EB			FKEB0020-002 ...	887547	1



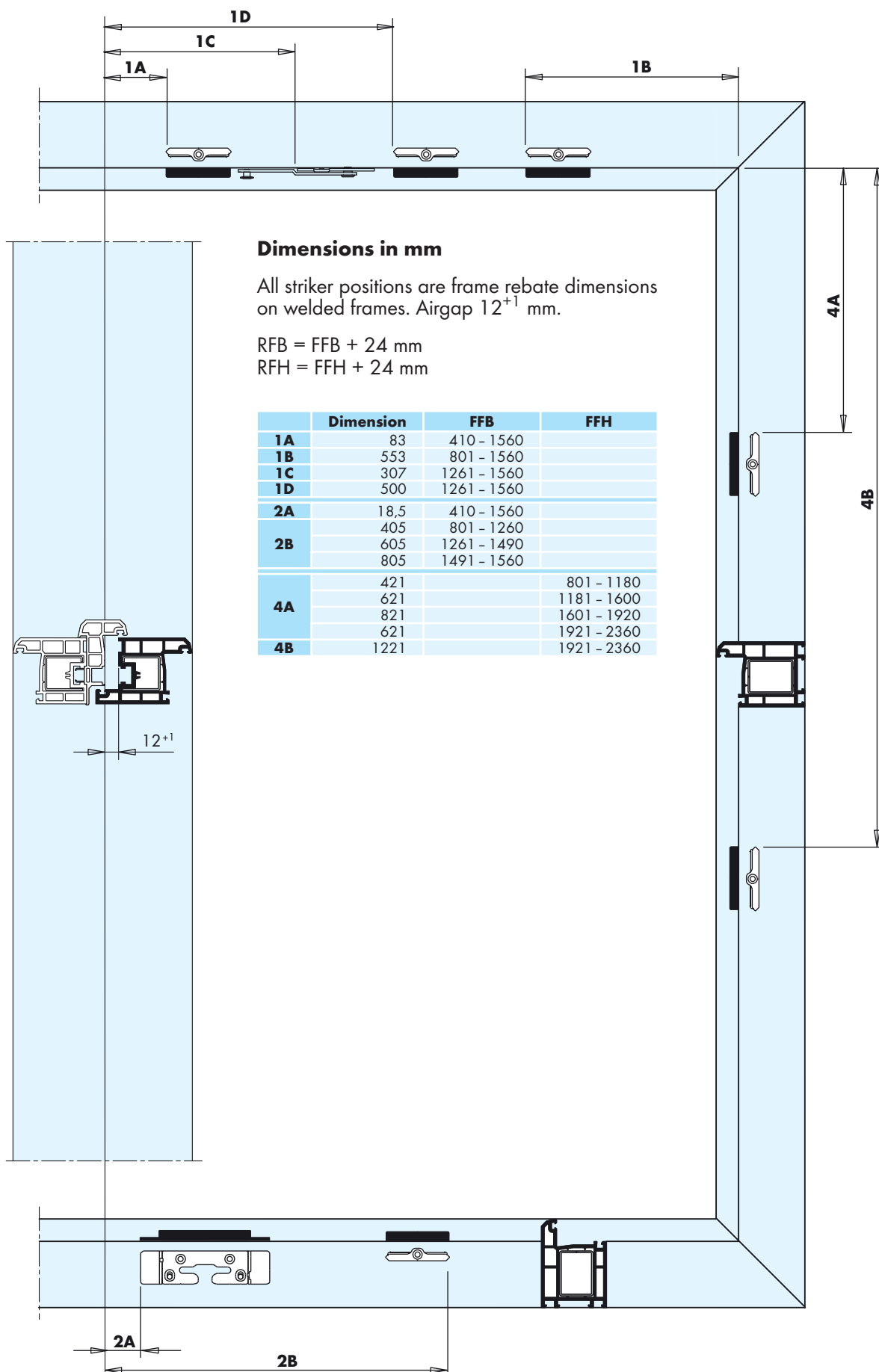


Frame dimensions main sash

2-sash square tilt-turn/turn DSG gear
PVC GM Hinge side Si-line

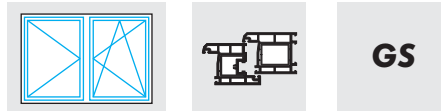
FAVORIT

GS



FAVORIT

Installation instructions



2-sash square tilt-turn/turn shoot bolt

PVC

basic security

centre handle pos. (variable)

Hinge side Si-line

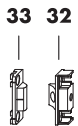
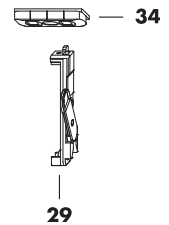
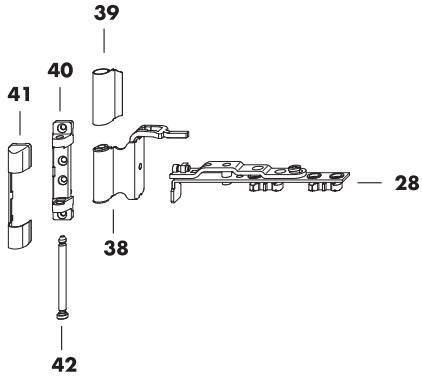
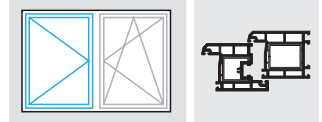
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).



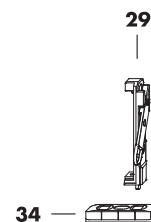
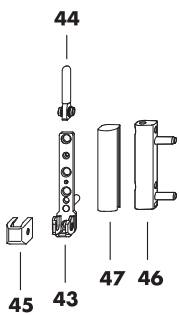
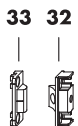
Size range

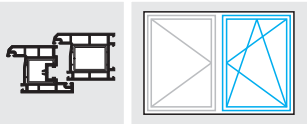
		Window/door
FFB	(mm)	230-800
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



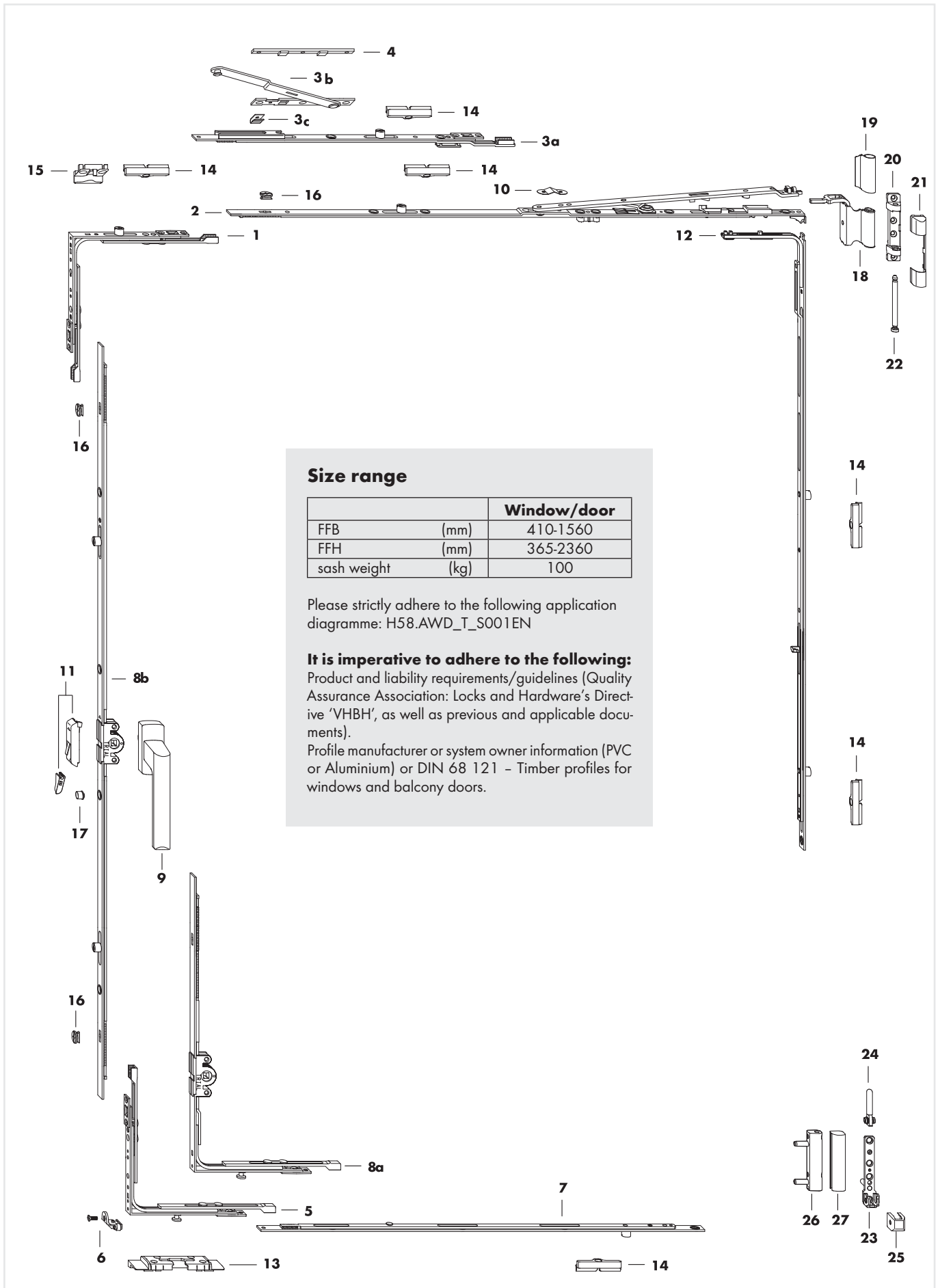


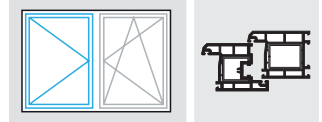
hardware layout main sash

2-sash square tilt-turn/turn shoot bolt
PVC GM Hinge side Si-line

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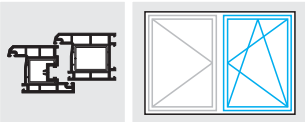
GS





Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.
						In the main sash	
28	stay 7 DF	707340	1	230 - 800			
29	sash lift .. A2000	TFFH0010- ...	1	230 - 800			
30	run-up FH/TiP	Ref. PDB, TRAL	1	230 - 800			
31	short shoot bolt A2000	716236	2		365 - 2360		2
32	striker plate 56 A2000	TRSB0030- ...	1		681 - 1180	340 - 590	
	striker plate 56 A2000	TRSB0030- ...		1181 - 1460	590 - 730		
	striker plate 56 A2000	TRSB0030- ...		1461 - 1920	730 - 960		
	striker plate 56 A2000	TRSB0030- ...		1921 - 2360	960 - 1180		
33	stop 2,2mm	710937	1		1921 - 2360		
34	sash part MV	Ref. PDB, ZFMV01	1		801 - 1600		
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360		
35	frame part MV	Ref. PDB, ZRZM01	1		801 - 1600		
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360		
36	striker V	Ref. PDB, FRZV01					
on request							
37	snapper A2000	709313	1		1921 - 2360		

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
38	stay hinge	Ref. PDB, FBWB			1
39	cover cap W PVC		FKWB0010-002 ...	836200	1
40	top hinge	Ref. PDB, FBSL01			1
41	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
42	top hinge pin diam.6	FBSB0010-1 ...			1
43	bottom hinge	Ref. PDB, FBEL01			1
44	bottom hinge pin diam.7	FBLB0060-1 ...			1
45	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
46	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
47	cover cap EB		FKEB0020-002 ...	887547	1



List of fittings main sash

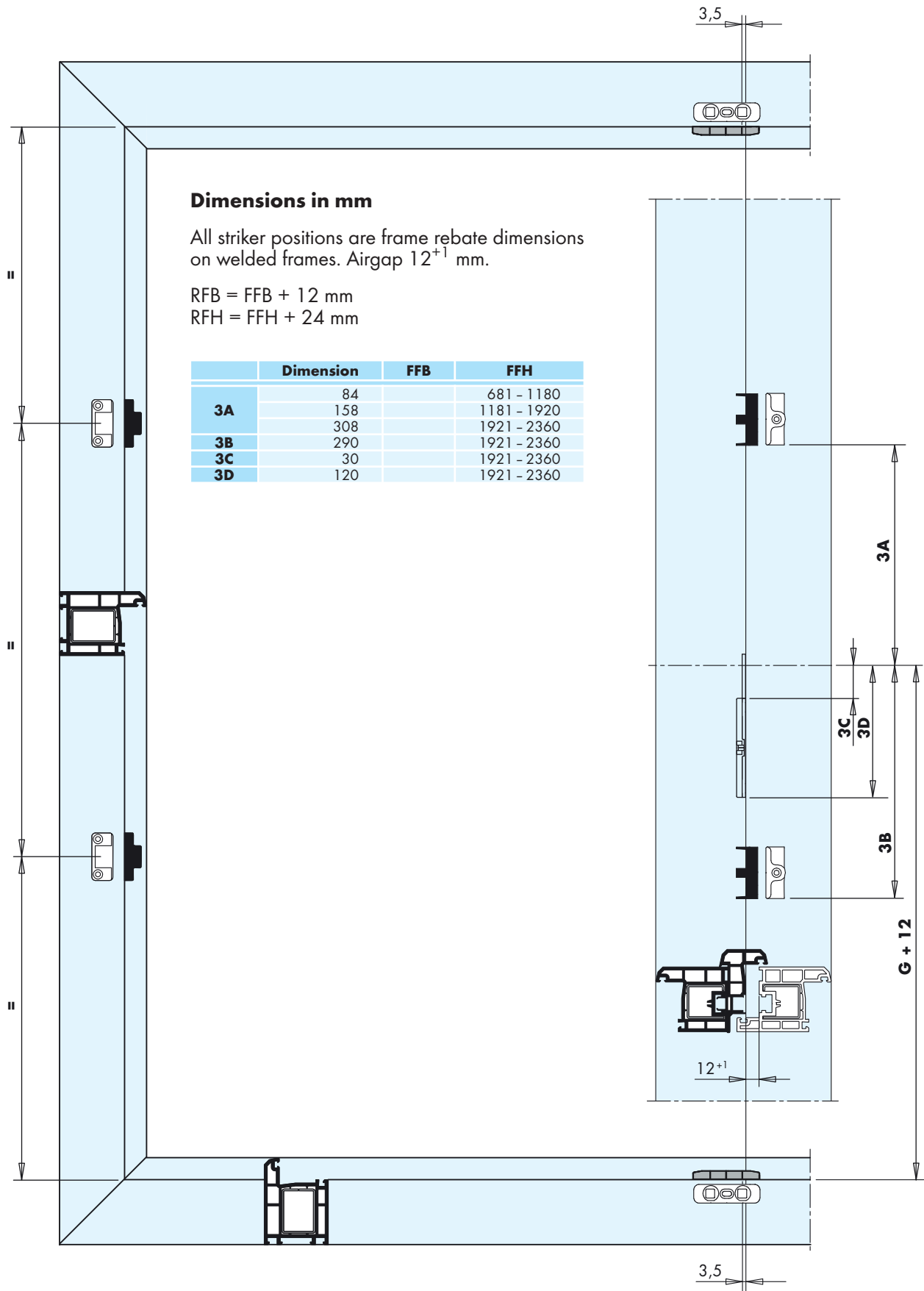
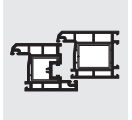
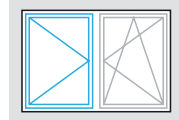
2-sash square tilt-turn/turn shoot bolt
PVC GM Hinge side Si-line

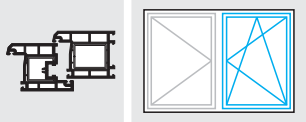
FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							13	14
1	corn.drive VSO ..	FEUL0230- ...	1	410 - 1560				1
2	stay 7 sz 30	707302	1	410 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				1
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560	481 - 2360		1	
6	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560				
7	centre lock sz 50	700969	1	801 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 480	190	1	
8b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1180	340 - 590		
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730		
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960		
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180		
9	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
10	tilt restrictor	805701	1		365 - 750			
11	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
12	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		801 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
13	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
14	striker plate S 56	Ref. PDB, TRSM						
on request								
15	frame part SP-S	Ref. PDB, FRZL01	1					
16	location piece	702543	3					
17	sleeve KRL	Ref. PDB, FFHU01	1		1921 - 2360			

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
18	stay hinge	Ref. PDB, FBWVB			1
19	cover cap W PVC		FKWB0010-002 ...	836200	1
20	top hinge	Ref. PDB, FBSL01			1
21	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
22	top hinge pin diam.6	FBSB0010-1 ...			1
23	bottom hinge	Ref. PDB, FBEL01			1
24	bottom hinge pin diam.7	FBLB0060-1 ...			1
25	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
26	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
27	cover cap EB		FKEB0020-002 ...	887547	1



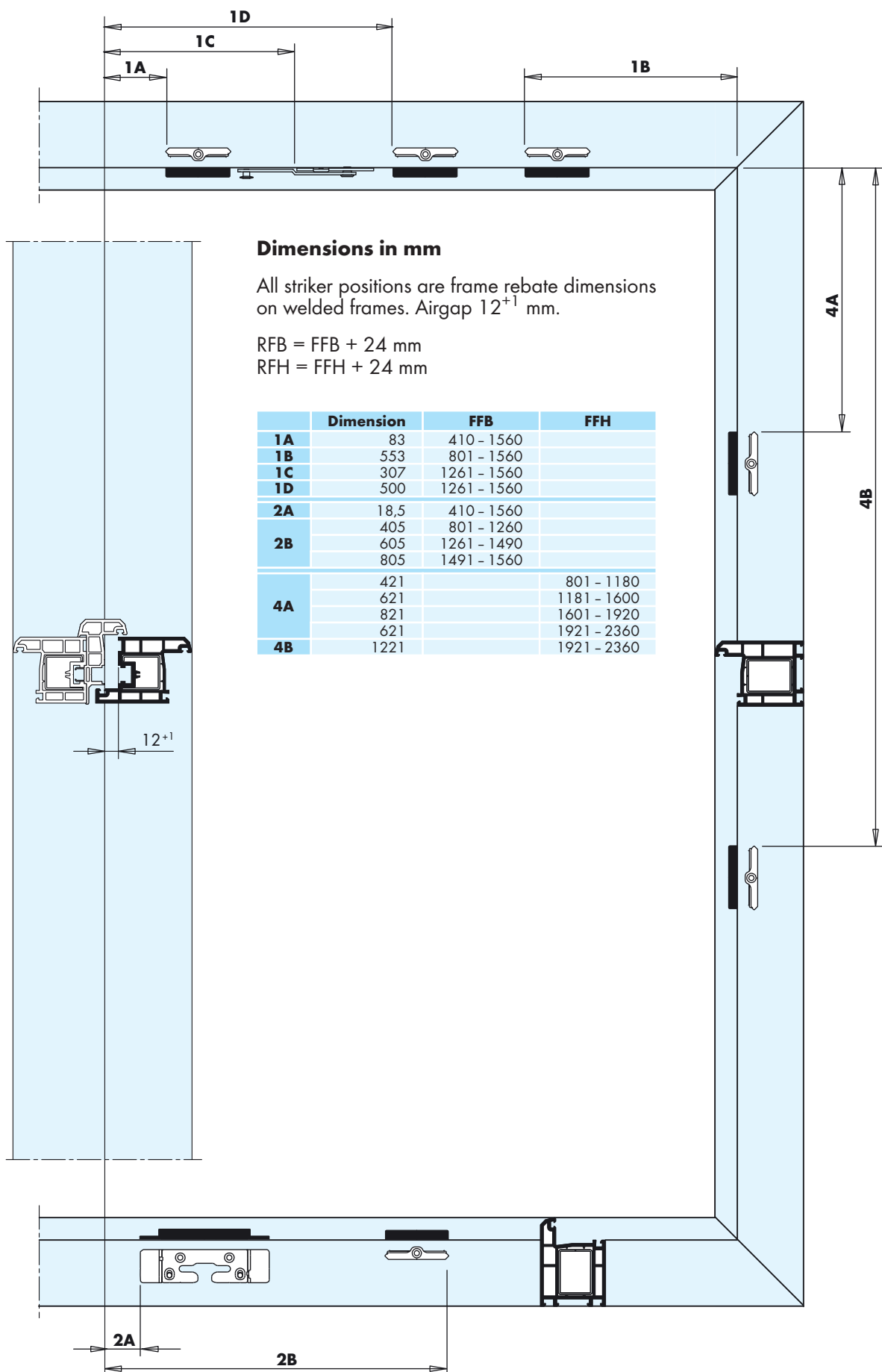


Frame dimensions main sash

2-sash square tilt-turn/turn shoot bolt
PVC GM Hinge side Si-line

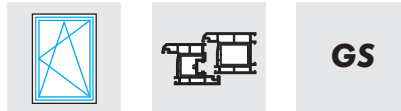
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Installation instructions

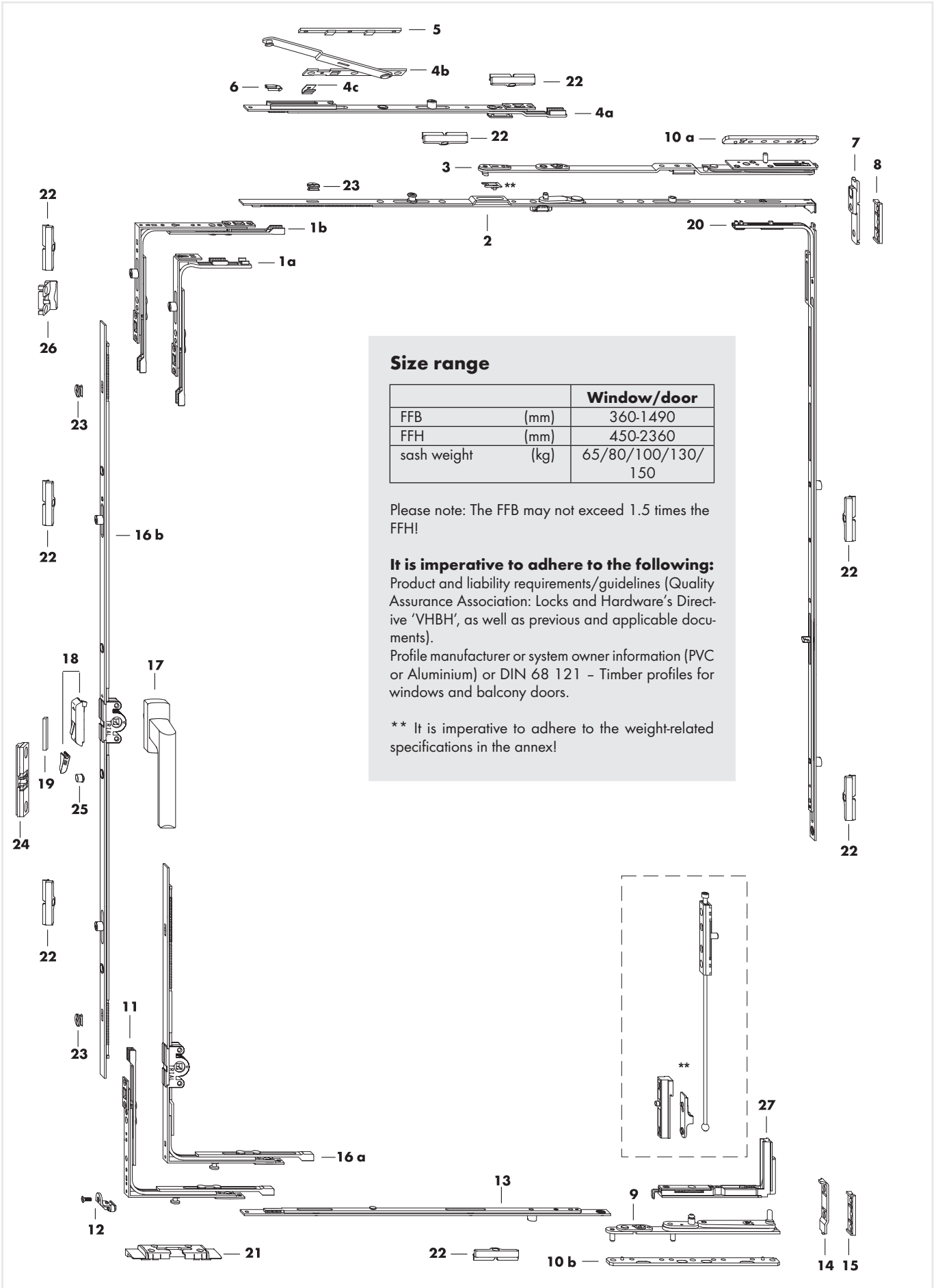
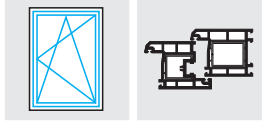


*1-sash square tilt-turn
PVC
basic security
centre handle pos. (variable)
Hinge side V-V
surface TS
backset 16 mm*

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Stay side</i>	<i>two-piece stay</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>

This document was compiled using the SIEGENIA hardware software (BEO).



Size range

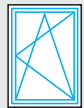
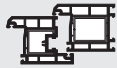
		Window/door
FFB	(mm)	360-1490
FFH	(mm)	450-2360
sash weight	(kg)	65/80/100/130/ 150

Please note: The FFB may not exceed 1.5 times the FFH!

It is imperative to adhere to the following: Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.

** It is imperative to adhere to the weight-related specifications in the annex!



List of fittings

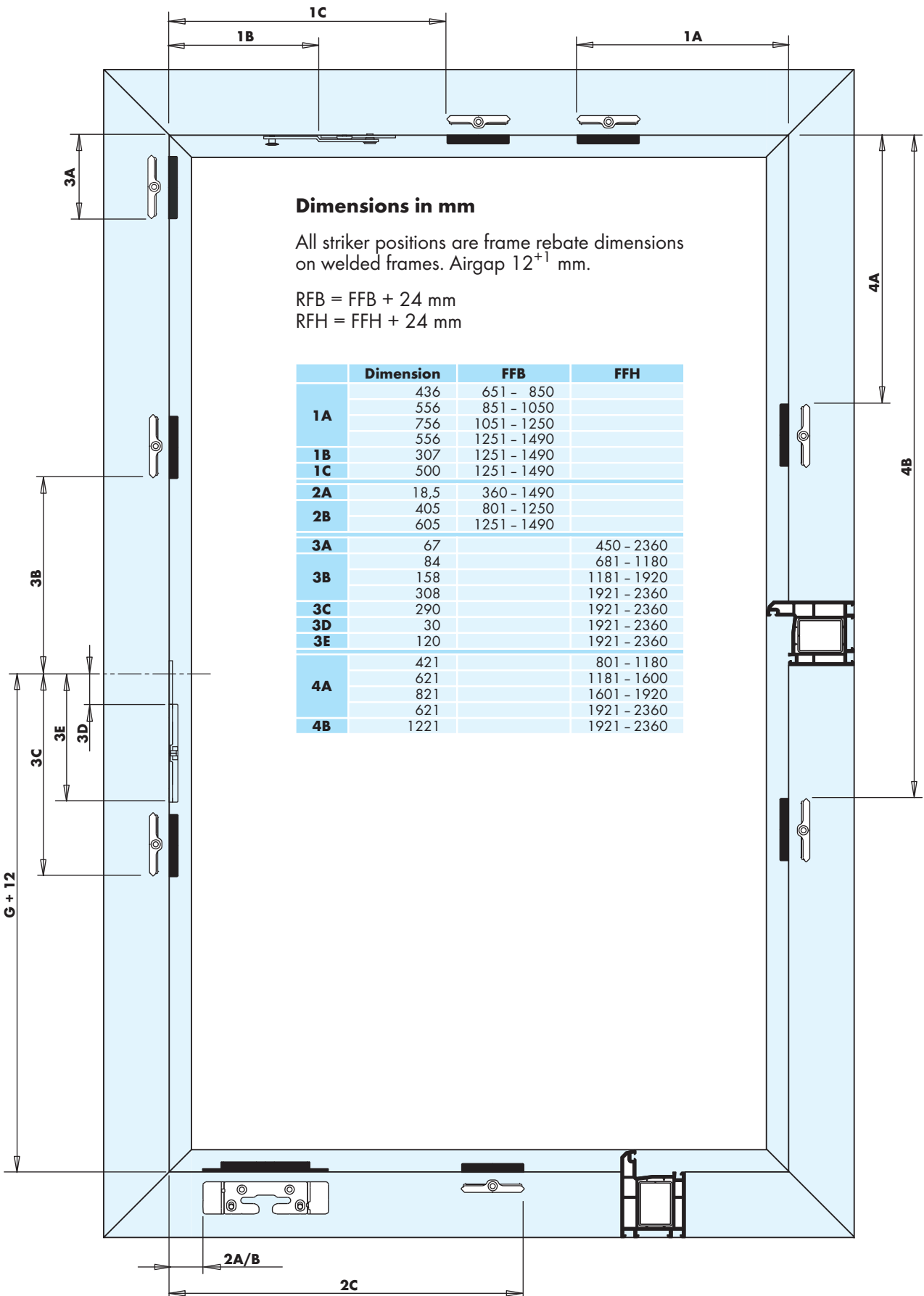
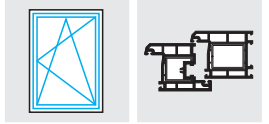
1-sash square tilt-turn
PVC GM Hinge side V-V

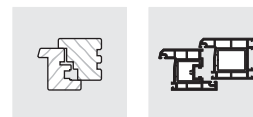
FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							21	22
1a	corn.drive narrow VSO	702925	1	360 - 480				1
1b	corn.drive VSO ..	FEUL0230- ...	1	481 - 1490				1
2	stay sash part F2 V-V sz 1	TSSV0210- ...	1	360 - 650				
	stay sash part F2 V-V 2/3 1RS	TSSV0250- ...		651 - 850				1
	stay sash part F2 V-V sz 4 1RS	TSSV0260- ...		851 - 1050				1
	stay sash part F2 V-V sz 5 1RS	TSSV0270- ...		1051 - 1250				1
	stay sash part F2 V-V sz 4 1RS	TSSV0260- ...		1251 - 1490				1
3	stay arm V-V sz.1	Ref. PDB, TSAV01	1	360 - 650				
	stay arm V-V sz.2+3	Ref. PDB, TSAV02		651 - 850				
	stay arm V-V sz.4	Ref. PDB, TSAV04		851 - 1050				
	stay arm V-V sz.5	Ref. PDB, TSAV05		1051 - 1250				
	stay arm V-V sz.4	Ref. PDB, TSAV04		1251 - 1490				
4	crt.additional stay	Ref. PDB, FMZS01	1	1251 - 1490				
5	packer Z	Ref. PDB, FRUPO1	1	1251 - 1490				
6	filt restr. additional stay	889008	1	1251 - 1490				
7	striker V-V BSO	TRZV0010- ...	1	360 - 1490				
8	packer RB/FPS	Ref. PDB, FRUPO2	1	360 - 1490				
9	bott.hinge V-V with stop	Ref. PDB, TMEV01	1	360 - 1490				
10	accessories V-V	Ref. PDB, TMZV	1	360 - 1490				
11	corn.drive VS S-ES	FEUL0090- ...	1	360 - 1490	481 - 2360		1	
12	sash lift S-ES	Ref. PDB, FMFH	1	360 - 1490				
13	centre lock sz 50	700969	1	801 - 1250				1
	centre lock sz 70	700976		1251 - 1490				1
14	hinge support V-V	Ref. PDB, TRZK01	1	360 - 1490				
15	packer hinge support V-V	Ref. PDB, TRUV01	1	360 - 1490				
16a	gear 23 S-ES sz 50/G190	FGKK3160- ...	1		450 - 480	190	1	
16b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...		681 - 1180	340 - 590			1
	gear 3 sz 2 MV	FGMK3080- ...		1181 - 1460	590 - 730			1
	gear 3 sz 3 MV	FGMK3090- ...		1461 - 1920	730 - 960			1
	gear 3 sz 4 TL	FGMK3100- ...		1921 - 2360	960 - 1180			2
17	handle Si-line	Ref.access. ZHSS	1		450 - 2360			
18	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
19	stop	Ref. PDB, FRZF01	1		1921 - 2360			
20	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		801 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1181 - 1600				1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1601 - 1920				1
	corn.drive BS sz 130	703045		1921 - 2360				2
21	filt lock bear. S-ES FH	Ref. PDB, FRKA						
22	striker plate S 56	Ref. PDB, TRSM						
on request								
23	location piece	702543	3					
16b	gear 3 sz 3/2 MV	701805	1		1461 - 1920	730 - 960		2
24	snapper	Ref. PDB, FRZB	1		1921 - 2360			
25	sleeve	Ref. PDB, FFHU	1		1921 - 2360			
26	frame part SP-S	Ref. PDB, FRZL01	1					

Hinge side turning points								
Pos.	Description	Part number	surface TS	required as per sash weight				
				65 kg	80 kg	100 kg	130 kg	150 kg
27	corner hinge V-V 12/	TBEB0020-1 ...		1	1	1	1	1





Version	V-V 18 Bottom hinge and stay arm V-V 18	V-V 22 Bottom hinge and stay arm V-V 22 and version A3060	V-V 29 Bottom hinge and stay arm V-V 29 and version A1860
without additional component Corresponding application diagram	65 kg H58.AWD_T_S010	80 kg H58.AWD_T_S013	100 kg H58.AWD_T_S018
with additional component in window format Corresponding application diagram	80 kg H58.AWD_T_S011	100 kg H58.AWD_T_S014	
with additional component in door format Corresponding application diagram	100 kg H58.AWD_T_S012	130 kg H58.AWD_T_S017	150 kg H58.AWD_T_S015

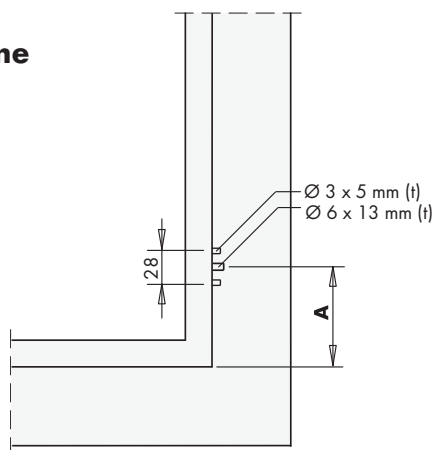
Basic security			
FFH/FFB (mm)	Part number	Description	Drilling position Dimension A
Requirements of SRH (mm)			
1001-3000	TBAV0030-_____	Top hinge V-V heavy-duty	
	TFFS0010-_____	Filling piece V-V heavy-duty	
	TBAV0020-_____	Additional component V-V heavy-duty size 2	350 mm
Requirements of SRW (mm)			
650-1050	TFKB0040-_____	*) Tilt restrictor V-V size .2-4	
1051-1250	TFKB0050-_____	*) Tilt restrictor V-V size 5	

RC1 and RC2			
FFH/FFB (mm)	Part number	Description	Drilling position Dimension A
Requirements of SRH (mm)			
1001-3000	TBAV0030-_____	Top hinge V-V heavy-duty	
	TBAV0020-_____	Additional component V-V heavy-duty size 2	540 mm
Requirements of SRW (mm)			
650-1050	TFKB0040-_____	*) Tilt restrictor V-V size .2-4	
1051-1250	TFKB0050-_____	*) Tilt restrictor V-V size 5	

Jig			
FFH/FFB (mm)	Part number	Description	
	TABL0250-_____	Jig additional component V-V heavy-duty	
	TABL0080-_____	Jig V-V heavy-duty sash	

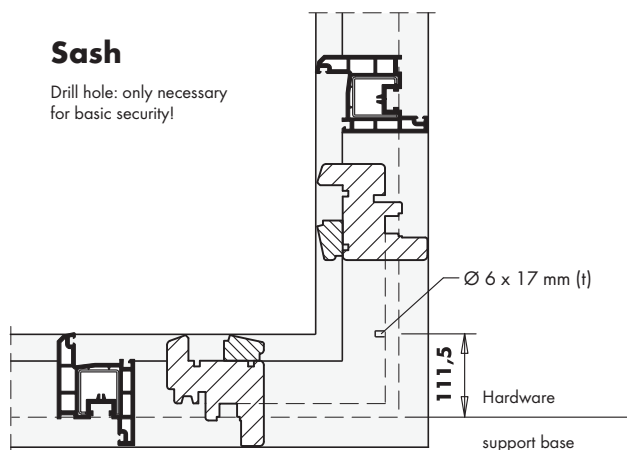
*) When using the tilt restrictor V-V, a separate mishandling device is required!

Frame



Sash

Drill hole: only necessary for basic security!



Please observe:

Guidelines/information on the product and on liability (VHBH directive as well as the other applicable documents listed - Directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Timber profiles for windows and French windows"

Additional components heavy-duty



Part number TBAV0030-.....
 Top hinge V-V heavy-duty with clamping spring
 The clamping spring is required only with RC1 and RC2
 in combination with TVSL...



Part number TFFS0010-.....
 Filling piece V-V heavy-duty
 (is only used for basic security)



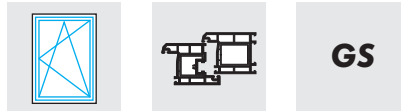
Part number
 TBAV0020-..... size 2
 Additional component V-V heavy-duty



Part number
 TFKB0040-..... size 2-4
 TFKB0050-..... size 5
 Tilt restrictor V-V

FAVORIT

Installation instructions



1-sash square tilt before turn (TBT)

PVC

basic security

centre handle pos. (variable)

Hinge side Si-line

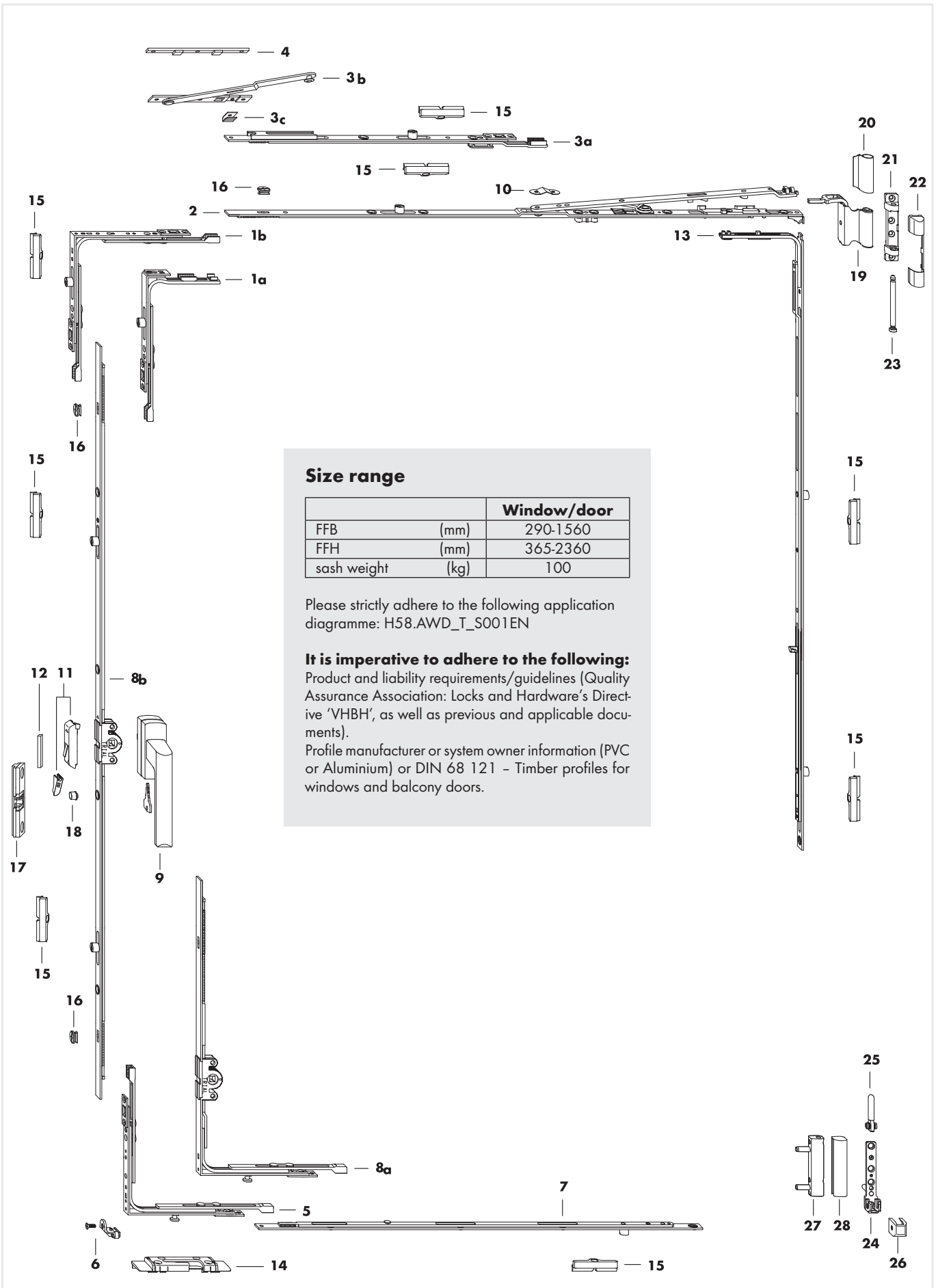
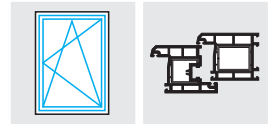
surface TS

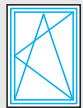
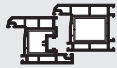
backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).





List of fittings

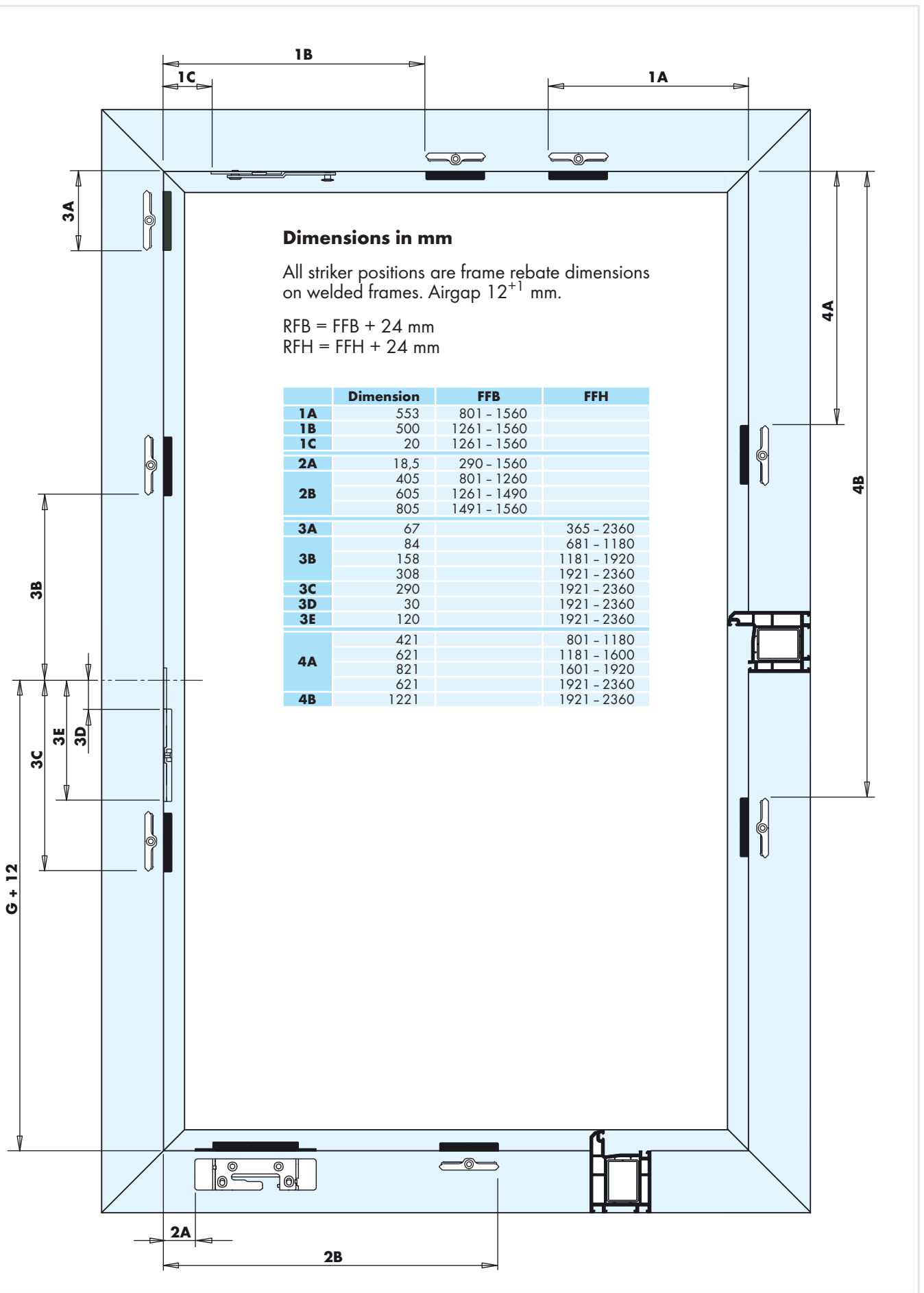
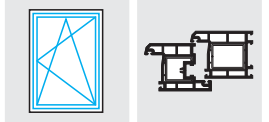
1-sash square tilt before turn (TBT)
PVC GM Hinge side Si-line

FAVORIT

GS

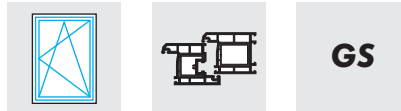
Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							14	15
1a	corn.drive narrow VSO	702925	1	290 - 410				1
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				1
2	stay 7 TBT sz 30	707357	1	290 - 620				
	stay 7 TBT sz 35 MV	707364		621 - 800				
	stay 7 TBT sz 50 MV	707371		801 - 1030				1
	stay 7 TBT sz 55 MV	707388		1031 - 1260				1
	stay 7 TBT sz 50 MV	707371		1261 - 1490				1
	stay 7 TBT sz 55 MV	707388		1491 - 1560				1
3	crt.additional stay TBT	Ref. PDB, FMZS02	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	481 - 2360		1	
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560				
7	centre lock sz 50	700969	1	801 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 480	190	1	
8b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1180	340 - 590		1
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730		1
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960		1
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180		2
9	handle Si-line TBT lockable	Ref.access. ZHST	1		365 - 2360			
10	tilt restrictor	805701	1		365 - 750			
11	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
12	stop	Ref. PDB, FRZF01	1		1921 - 2360			
13	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		801 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
14	tilt lock bear. S-ES FH TBT	Ref. PDB, FRKB						
15	striker plate S 56	Ref. PDB, TRSM						
on request								
16	location piece	702543	3					
8b	gear 3 sz 3/2 MV	701805	1		1461 - 1920	730 - 960		2
17	snapper	Ref. PDB, FRZB	1		1921 - 2360			
18	sleeve	Ref. PDB, FFHU	1		1921 - 2360			

Hinge side turning points					
Pos.	Description	Part number	Part number		required as per sash weight 100 kg
			surface TS	RAL9003	
19	stay hinge	Ref. PDB, FBWB			1
20	cover cap W PVC		FKWB0010-002 ...	836200	1
21	top hinge	Ref. PDB, FBSL01			1
22	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
23	top hinge pin diam.6	FBSB0010-1 ...			1
24	bottom hinge	Ref. PDB, FBEL01			1
25	bottom hinge pin diam.7	FBLB0060-1 ...			1
26	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
27	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
28	cover cap EB		FKEB0020-002 ...	887547	1



FAVORIT

Installation instructions



1-sash square tilt before turn (TBT)

PVC

basic security

centre handle pos. (variable)

Hinge side V-V

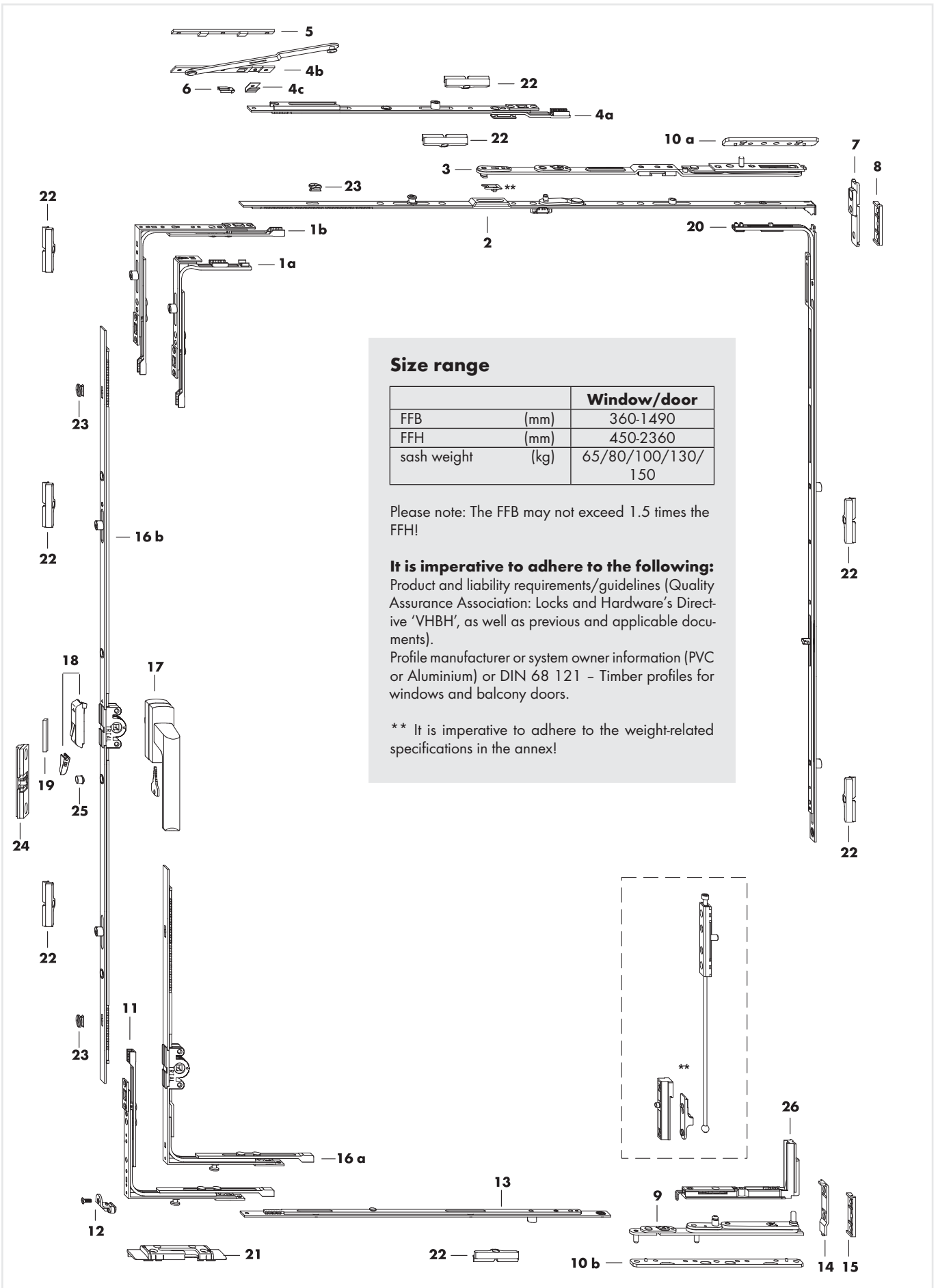
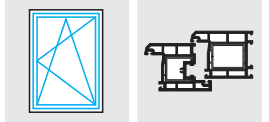
surface TS

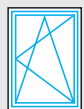
backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Stay side</i>	<i>two-piece stay</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>

This document was compiled using the SIEGENIA hardware software (BEO).





List of fittings

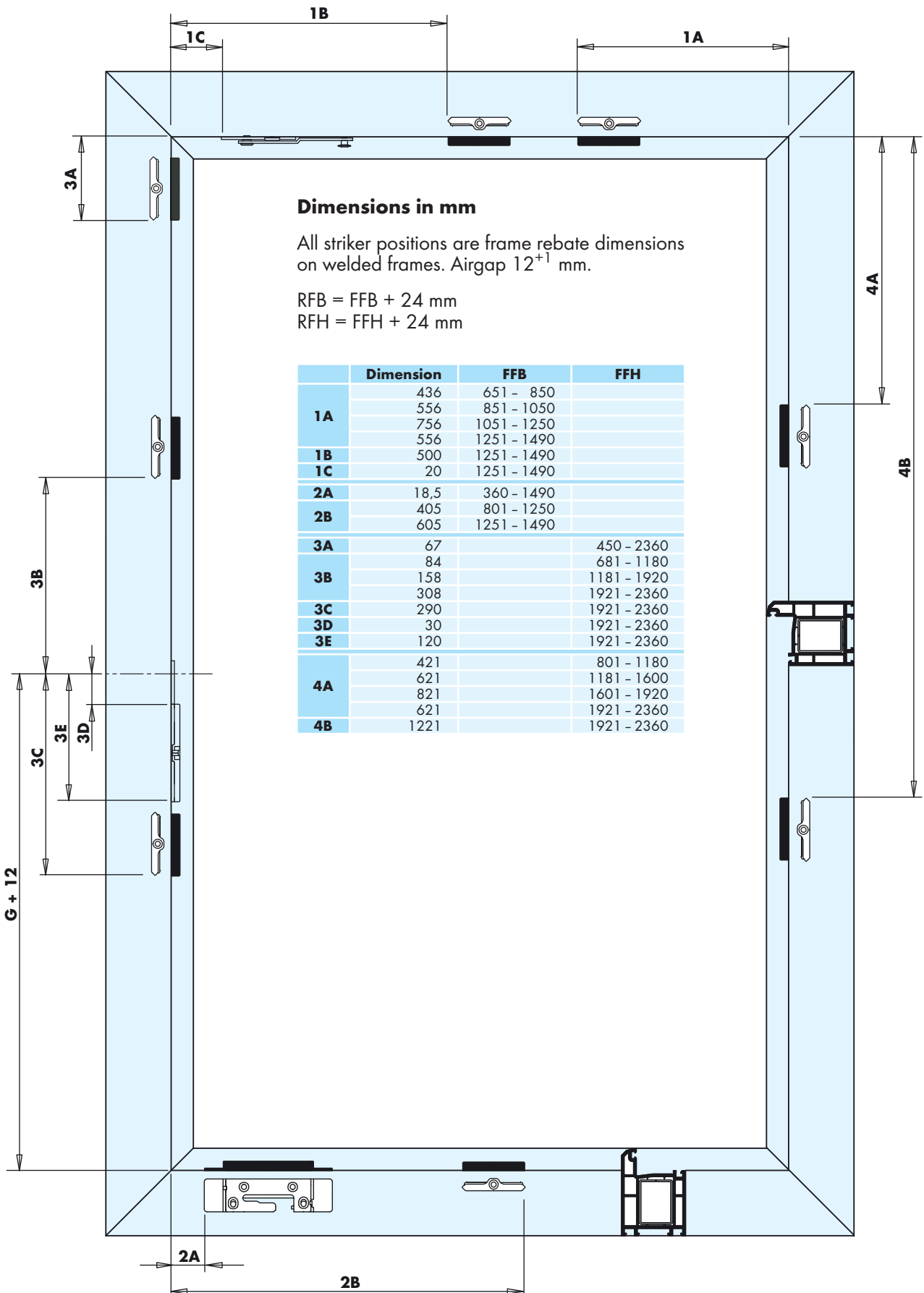
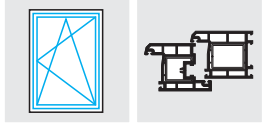
1-sash square tilt before turn (TBT)
PVC GM Hinge side V-V

FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							21	22
1a	corn.drive narrow VSO	702925	1	360 - 480				1
1b	corn.drive VSO ..	FEUL0230- ...	1	481 - 1490				1
2	stay sash part F2 V-V sz 1	TSSV0210- ...	1	360 - 650				
	stay sash part F2 V-V 2/3 1RS	TSSV0250- ...		651 - 850				1
	stay sash part F2 V-V sz 4 1RS	TSSV0260- ...		851 - 1050				1
	stay sash part F2 V-V sz 5 1RS	TSSV0270- ...		1051 - 1250				1
	stay sash part F2 V-V sz 4 1RS	TSSV0260- ...		1251 - 1490				1
3	stay arm V-V sz.1 TBT	Ref. PDB, TSAV11	1	360 - 650				
	stay arm V-V sz.2+3 TBT	Ref. PDB, TSAV12		651 - 850				
	stay arm V-V sz.4 TBT	Ref. PDB, TSAV14		851 - 1050				
	stay arm V-V sz.5 TBT	Ref. PDB, TSAV15		1051 - 1250				
	stay arm V-V sz.4 TBT	Ref. PDB, TSAV14		1251 - 1490				
4	crt.additional stay TBT	Ref. PDB, FMZS02	1	1251 - 1490				1
5	packer Z	Ref. PDB, FRUPO1	1	1251 - 1490				
6	filt restr. additional stay	889008	1	1251 - 1490				
7	striker V-V BSO	TRZV0010- ...	1	360 - 1490				
8	packer RB/FPS	Ref. PDB, FRUPO2	1	360 - 1490				
9	bott.hinge V-V with stop	Ref. PDB, TMEV01	1	360 - 1490				
10	accessories V-V	Ref. PDB, TMZV	1	360 - 1490				
11	corn.drive VS S-ES	FEUL0090- ...	1	360 - 1490	481 - 2360		1	
12	sash lift S-ES	Ref. PDB, FMFH	1	360 - 1490				
13	centre lock sz 50	700969	1	801 - 1250				1
	centre lock sz 70	700976		1251 - 1490				1
14	hinge support V-V	Ref. PDB, TRZK01	1	360 - 1490				
15	packer hinge support V-V	Ref. PDB, TRUV01	1	360 - 1490				
16a	gear 23 S-ES sz 50/G190	FGKK3160- ...	1		450 - 480	190	1	
16b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...		681 - 1180	340 - 590			1
	gear 3 sz 2 MV	FGMK3080- ...		1181 - 1460	590 - 730			1
	gear 3 sz 3 MV	FGMK3090- ...		1461 - 1920	730 - 960			1
	gear 3 sz 4 TL	FGMK3100- ...		1921 - 2360	960 - 1180			2
17	handle Si-line TBT lockable	Ref.access. ZHST	1		450 - 2360			
18	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
19	stop	Ref. PDB, FRZF01	1		1921 - 2360			
20	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		801 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1181 - 1600				1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1601 - 1920				1
	corn.drive BS sz 130	703045		1921 - 2360				2
21	filt lock bear. S-ES FH TBT	Ref. PDB, FRKB						
22	striker plate S 56	Ref. PDB, TRSM						
on request								
23	location piece	702543	3					
16b	gear 3 sz 3/2 MV	701805	1		1461 - 1920	730 - 960		2
24	snapper	Ref. PDB, FRZB	1		1921 - 2360			
25	sleeve	Ref. PDB, FFHU	1		1921 - 2360			

Hinge side turning points							
Pos.	Description	Part number	required as per sash weight				
			surface TS				
			65 kg	80 kg	100 kg	130 kg	150 kg
26	corner hinge V-V 12/	TBEB0020-1 ...	1	1	1	1	1



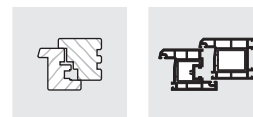
Dimensions in mm

All striker positions are frame rebate dimensions on welded frames. Airgap 12⁺¹ mm.

RFB = FFB + 24 mm

RFH = FFH + 24 mm

	Dimension	FFB	FFH
1A	436	651 - 850	
	556	851 - 1050	
	756	1051 - 1250	
1B	556	1251 - 1490	
	1B	500	1251 - 1490
1C	20	1251 - 1490	
2A	18,5	360 - 1490	
2B	405	801 - 1250	
	605	1251 - 1490	
3A	67		450 - 2360
	84		681 - 1180
3B	158		1181 - 1920
	308		1921 - 2360
3C	290		1921 - 2360
3D	30		1921 - 2360
3E	120		1921 - 2360
4A	421		801 - 1180
	621		1181 - 1600
	821		1601 - 1920
	621		1921 - 2360
4B	1221		1921 - 2360



Version	V-V 18 Bottom hinge and stay arm V-V 18	V-V 22 Bottom hinge and stay arm V-V 22 and version A3060	V-V 29 Bottom hinge and stay arm V-V 29 and version A1860
without additional component Corresponding application diagram	65 kg H58.AWD_T_S010	80 kg H58.AWD_T_S013	100 kg H58.AWD_T_S018
with additional component in window format Corresponding application diagram	80 kg H58.AWD_T_S011	100 kg H58.AWD_T_S014	
with additional component in door format Corresponding application diagram	100 kg H58.AWD_T_S012	130 kg H58.AWD_T_S017	150 kg H58.AWD_T_S015

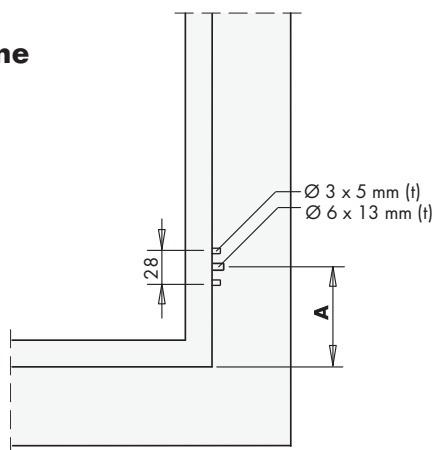
Basic security			
FFH/FFB (mm)	Part number	Description	Drilling position Dimension A
Requirements of SRH (mm)			
1001-3000	TBAV0030-_____	Top hinge V-V heavy-duty	
	TFFS0010-_____	Filling piece V-V heavy-duty	
	TBAV0020-_____	Additional component V-V heavy-duty size 2	350 mm
Requirements of SRW (mm)			
650-1050	TFKB0040-_____	*) Tilt restrictor V-V size .2-4	
1051-1250	TFKB0050-_____	*) Tilt restrictor V-V size 5	

RC1 and RC2			
FFH/FFB (mm)	Part number	Description	Drilling position Dimension A
Requirements of SRH (mm)			
1001-3000	TBAV0030-_____	Top hinge V-V heavy-duty	
	TBAV0020-_____	Additional component V-V heavy-duty size 2	540 mm
Requirements of SRW (mm)			
650-1050	TFKB0040-_____	*) Tilt restrictor V-V size .2-4	
1051-1250	TFKB0050-_____	*) Tilt restrictor V-V size 5	

Jig			
FFH/FFB (mm)	Part number	Description	
	TABL0250-_____	Jig additional component V-V heavy-duty	
	TABL0080-_____	Jig V-V heavy-duty sash	

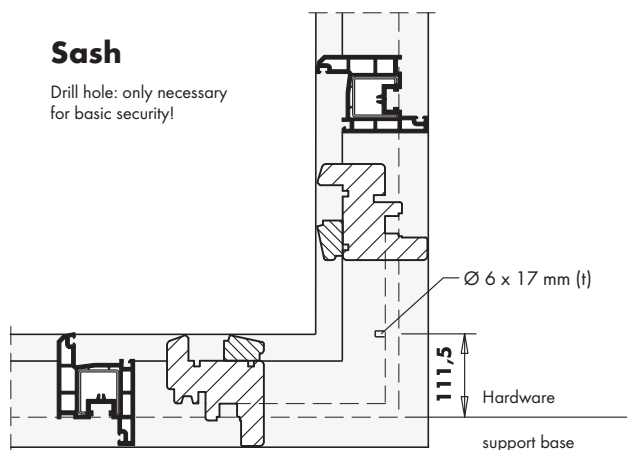
*) When using the tilt restrictor V-V, a separate mishandling device is required!

Frame



Sash

Drill hole: only necessary for basic security!



Please observe:

Guidelines/information on the product and on liability (VHBH directive as well as the other applicable documents listed - Directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Timber profiles for windows and French windows"

Additional components heavy-duty



Part number TBAV0030-.....
 Top hinge V-V heavy-duty with clamping spring
 The clamping spring is required only with RC1 and RC2
 in combination with TVSL...



Part number TFFS0010-.....
 Filling piece V-V heavy-duty
 (is only used for basic security)



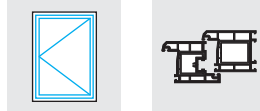
Part number
 TBAV0020-..... size 2
 Additional component V-V heavy-duty



Part number
 TFKB0040-..... size 2-4
 TFKB0050-..... size 5
 Tilt restrictor V-V

FAVORIT

Installation instructions



1-sash square turn

PVC

none

centre handle pos. (variable)

Hinge side Si-line

surface TS

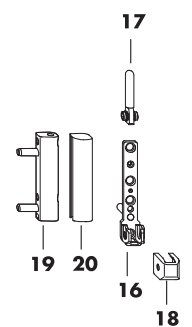
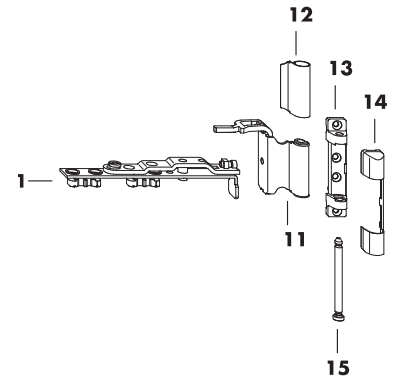
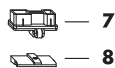
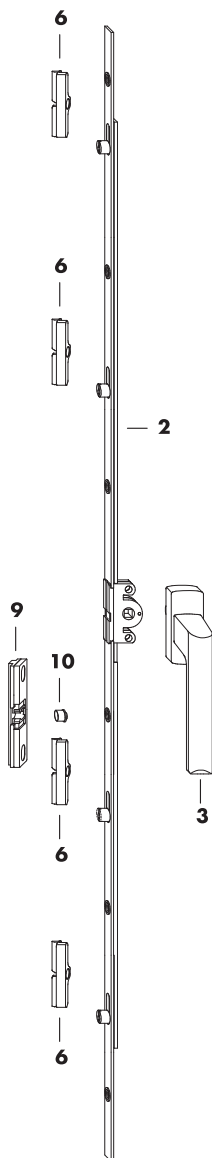
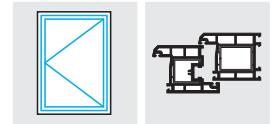
backset 16 mm

Hardware set configuration

Hinge side turning points

loose bottom hinge pin

This document was compiled using the SIEGENIA hardware software (BEO).



Size range

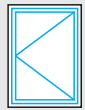
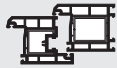
		Window/door
FFB	(mm)	290-800
FFH	(mm)	200-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:

Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



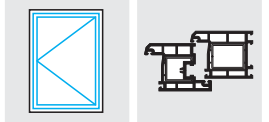
List of fittings

1-sash square turn
PVC GM Hinge side Si-line

FAVORIT

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.
1	stay 7 DF	707340	1	290 - 800			8
2	sash lift .. A2000	TFFH0010- ...	1	290 - 800			
3	run-up FH/TiP	Ref. PDB, TRAL	1	290 - 800			
4	gear DF 3 sz 40	701218	1		200 - 430	100 - 215	1
	gear DF 3 sz 60	701225			431 - 600	215 - 300	2
	gear DF 3 sz 80	701232			601 - 800	300 - 800	2
	gear DF 3 sz 100	701249			801 - 1000	400 - 500	2
	gear DF 3 sz 120 MV	701256			1001 - 1200	500 - 600	3
	gear DF 3 sz 140 MV	701263			1201 - 1400	600 - 700	3
	gear DF 3 sz 160 MV	701270			1401 - 1600	700 - 800	3
	gear DF 3 sz 180 MV	701287			1601 - 1800	800 - 900	3
	gear DF 3 sz 200 MV	701294			1801 - 2000	900 - 1000	3
	gear DF 3 sz 220 TL	701300			2001 - 2200	1000 - 1100	4
gear DF 3 sz 240 TL	701317		2201 - 2360	1100 - 1180	4		
5	handle Si-line	Ref.access. ZHSS	1		200 - 2360		
6	sash part MV	Ref. PDB, ZFMV01	1		801 - 1600		
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360		
7	frame part MV	Ref. PDB, ZRZM01	1		801 - 1600		
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360		
8	striker plate S 56	Ref. PDB, TRSM					
on request							
9	snapper	Ref. PDB, FRZB	1		1801 - 2360		
10	sleeve	Ref. PDB, FFHU	1		1801 - 2360		

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
11	stay hinge	Ref. PDB, FBWB			1
12	cover cap W PVC		FKWB0010-002 ...	836200	1
13	top hinge	Ref. PDB, FBSL01			1
14	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
15	top hinge pin diam.6	FBSB0010-1 ...			1
16	bottom hinge	Ref. PDB, FBEL01			1
17	bottom hinge pin diam.7	FBLB0060-1 ...			1
18	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
19	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
20	cover cap EB		FKEB0020-002 ...	887547	1

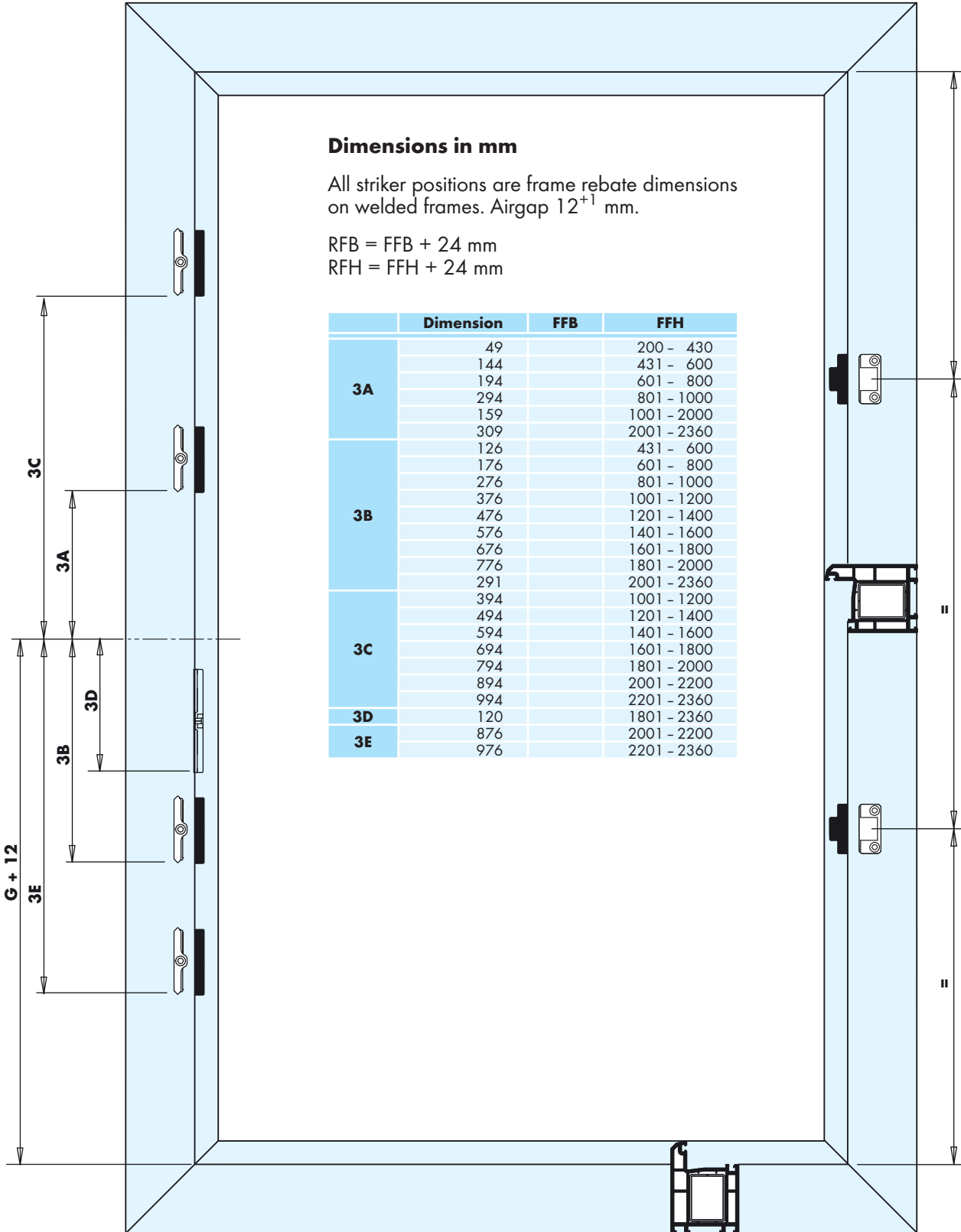


Dimensions in mm

All striker positions are frame rebate dimensions on welded frames. Airgap 12⁺¹ mm.

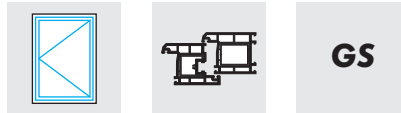
RFB = FFB + 24 mm
RFH = FFH + 24 mm

	Dimension	FFB	FFH
3A	49		200 - 430
	144		431 - 600
	194		601 - 800
	294		801 - 1000
	159		1001 - 2000
3B	309		2001 - 2360
	126		431 - 600
	176		601 - 800
	276		801 - 1000
	376		1001 - 1200
	476		1201 - 1400
	576		1401 - 1600
3C	676		1601 - 1800
	776		1801 - 2000
	291		2001 - 2360
	394		1001 - 1200
	494		1201 - 1400
3D	594		1401 - 1600
	694		1601 - 1800
	794		1801 - 2000
	894		2001 - 2200
3E	994		2201 - 2360
	120		1801 - 2360
	876		2001 - 2200
	976		2201 - 2360



FAVORIT

Installation instructions



1-sash square turn

PVC

basic security

centre handle pos. (variable)

Hinge side Si-line

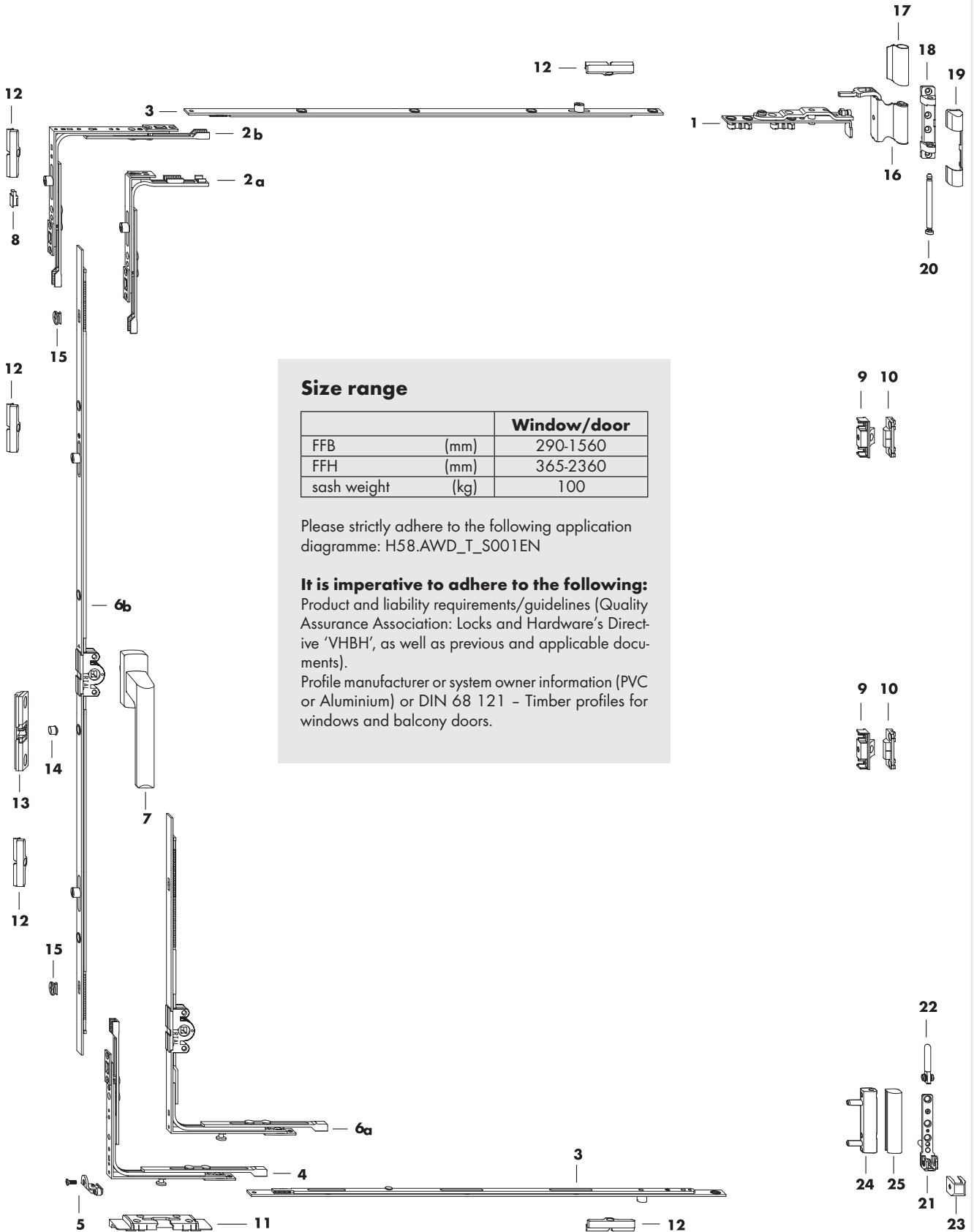
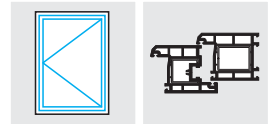
surface TS

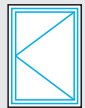
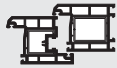
backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).





List of fittings

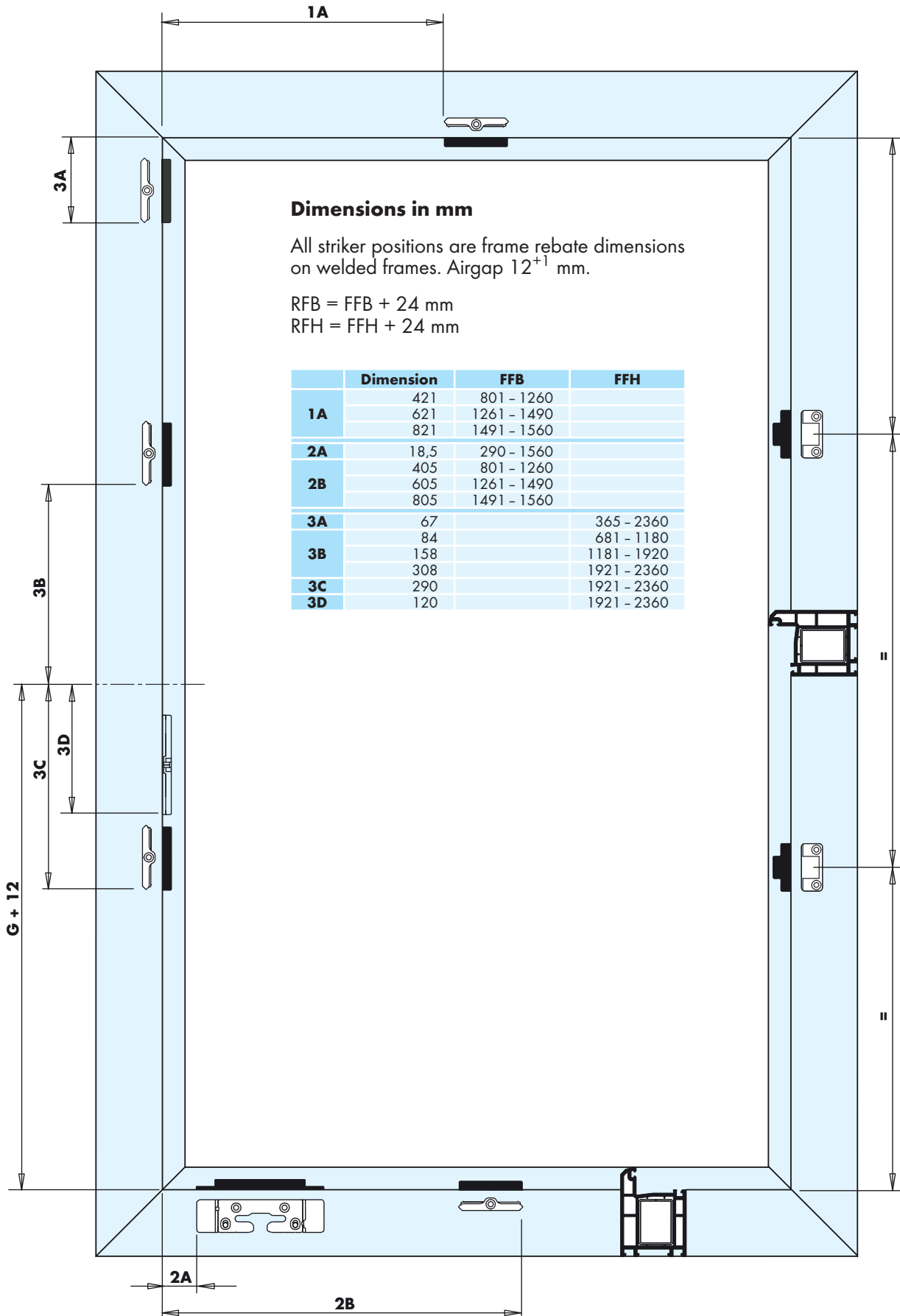
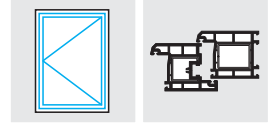
1-sash square turn
PVC GM Hinge side Si-line

FAVORIT

GS

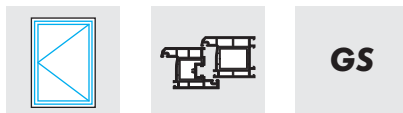
Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							11	12
1	stay 7 DF	707340	1	290 - 1560				
2a	corn.drive narrow VSO	702925	1	290 - 410				1
2b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				1
3	centre lock sz 50	700969	2	801 - 1260				2
	centre lock sz 70	700976		1261 - 1490				2
	centre lock sz 90	700983		1491 - 1560				2
4	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	481 - 2360		1	
5	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560				
6a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 480	190	1	
6b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1180	340 - 590		1
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730		1
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960		1
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180		2
7	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
8	travel restriction S-ES	891124	1		365 - 2360			
9	sash part MV	Ref. PDB, ZFMV01	1		801 - 1600			
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360			
10	frame part MV	Ref. PDB, ZRZM01	1		801 - 1600			
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360			
11	filt lock bear. S-ES FH	Ref. PDB, FRKA						
12	striker plate S 56	Ref. PDB, TRSM						
on request								
6b	gear 3 sz 3/2 MV	701805	1		1461 - 1920	730 - 960		2
13	snapper	Ref. PDB, FRZB	1		1921 - 2360			
14	sleeve	Ref. PDB, FFHU	1		1921 - 2360			
15	location piece	702543	2					

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
16	stay hinge	Ref. PDB, FBWB			1
17	cover cap W PVC		FKWB0010-002 ...	836200	1
18	top hinge	Ref. PDB, FBSL01			1
19	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
20	top hinge pin diam.6	FBSB0010-1 ...			1
21	bottom hinge	Ref. PDB, FBEL01			1
22	bottom hinge pin diam.7	FBLB0060-1 ...			1
23	cover cap El U		FKEU0010-002 ...	FKEU0010-011 ...	1
24	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
25	cover cap EB		FKEB0020-002 ...	887547	1



FAVORIT

Installation instructions

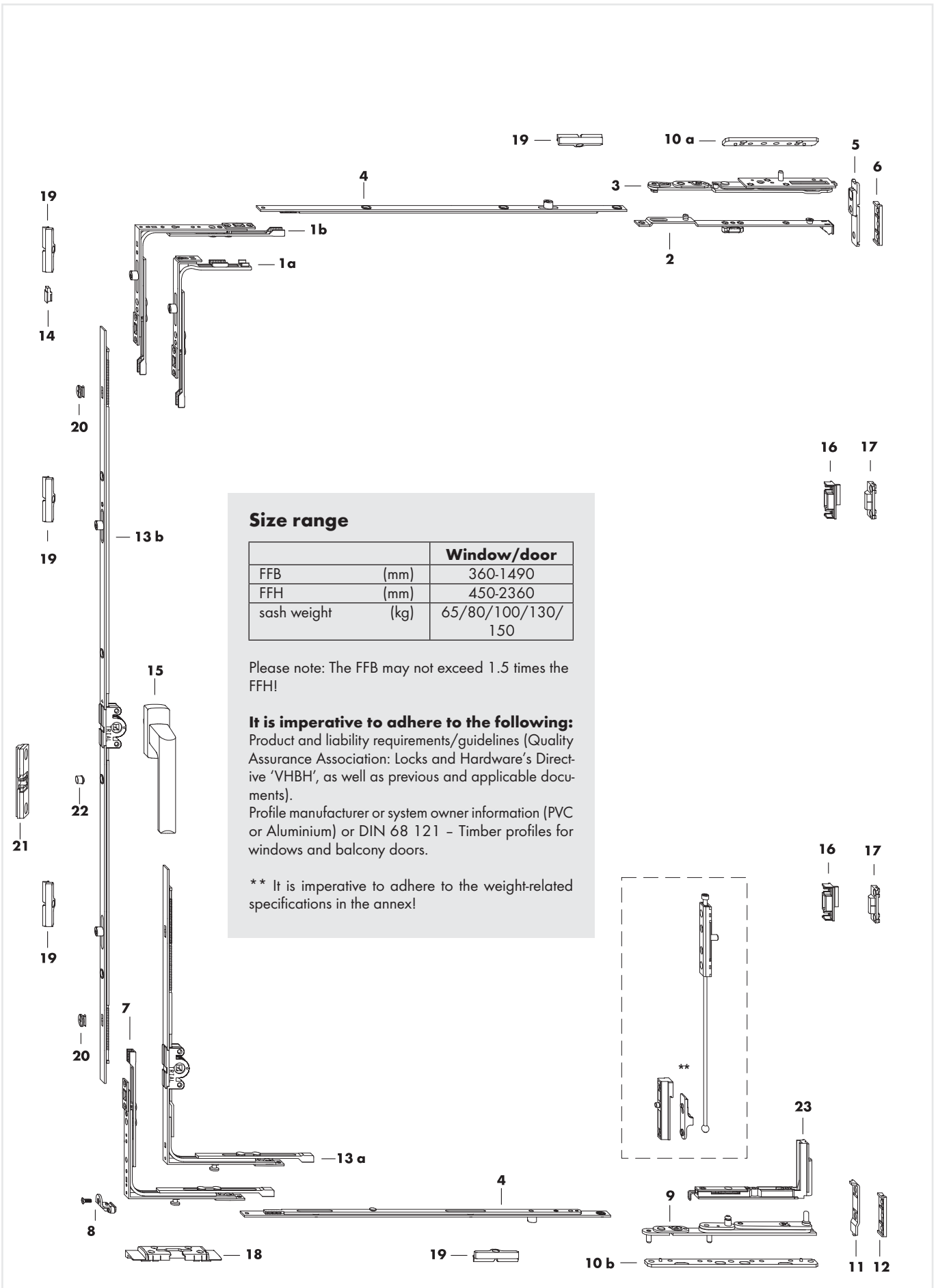
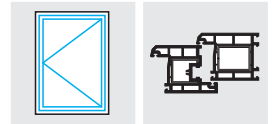


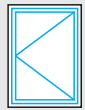
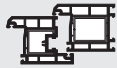
1-sash square turn
PVC
basic security
centre handle pos. (variable)
Hinge side V-V
surface TS
backset 16 mm

Hardware set configuration

<i>Stay side</i>	<i>two-piece stay</i>
<i>Bottom</i>	<i>loose sash lift</i>

This document was compiled using the SIEGENIA hardware software (BEO).





List of fittings

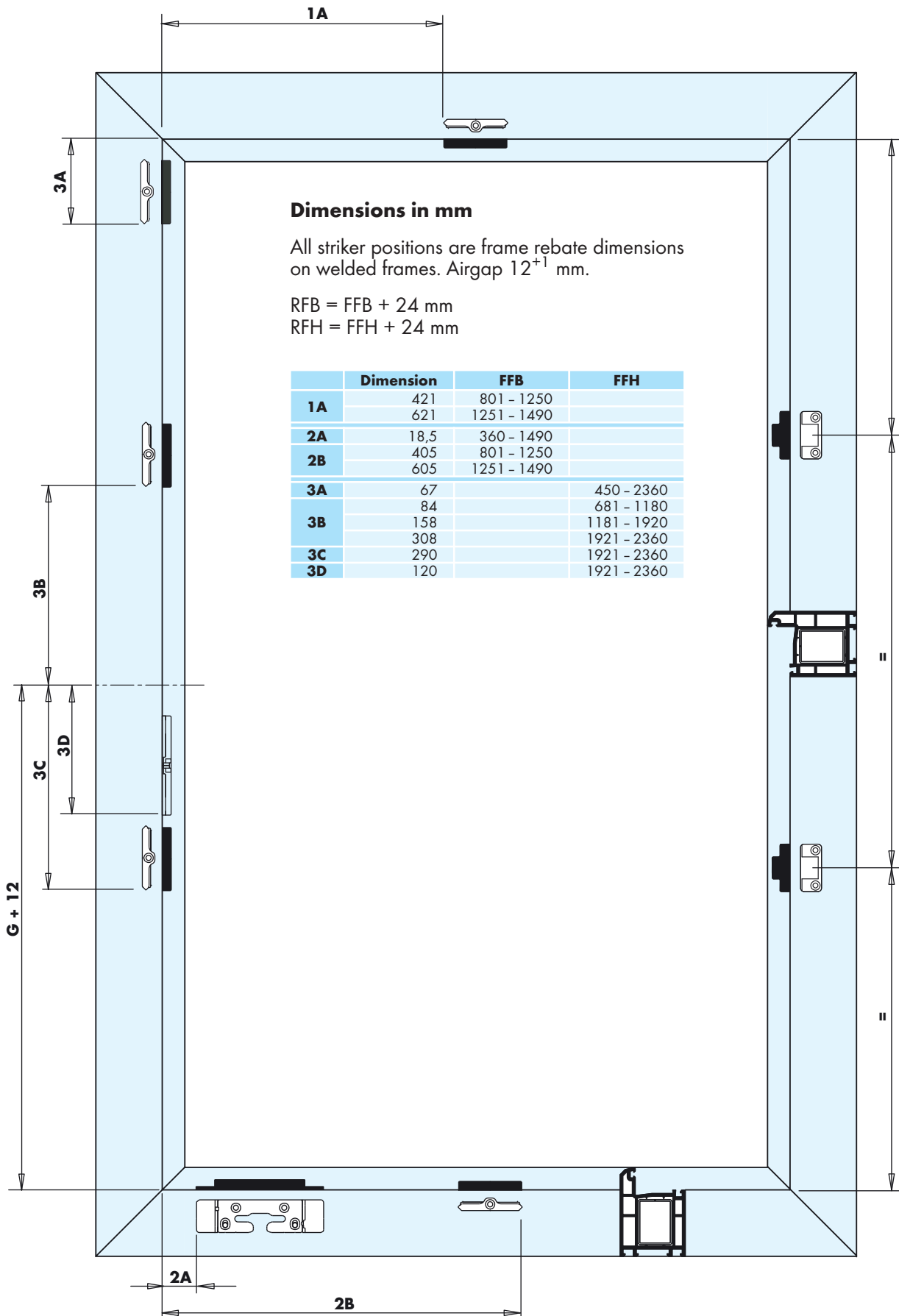
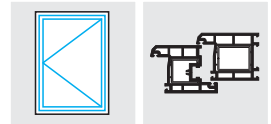
1-sash square turn
PVC GM Hinge side V-V

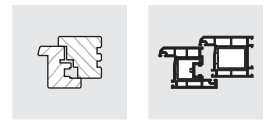
FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							18	19
1a	corn.drive narrow VSO	702925	1	360 - 480				1
1b	corn.drive VSO ..	FEUL0230- ...	1	481 - 1490				1
2	stay sash part V-V DF	TSSV0160- ...	1	360 - 1490				
3	stay arm V-V DF	Ref. PDB, TSAV06	1	360 - 1490				
4	centre lock sz 50	700969	2	801 - 1250				2
	centre lock sz 70	700976		1251 - 1490				2
5	striker V-V BSO	TRZV0010- ...	1	360 - 1490				
6	packer RB/FPS	Ref. PDB, FRUPO2	1	360 - 1490				
7	corn.drive VS S-ES	FEUL0090- ...	1	360 - 1490	481 - 2360		1	
8	sash lift S-ES	Ref. PDB, FMFH	1	360 - 1490				
9	bot.hinge V-V with stop	Ref. PDB, TMEV01	1	360 - 1490				
10	accessories V-V	Ref. PDB, TMZV	1	360 - 1490				
11	hinge support V-V	Ref. PDB, TRZK01	1	360 - 1490				
12	packer hinge support V-V	Ref. PDB, TRUV01	1	360 - 1490				
13a	gear 23 S-ES sz 50/G190	FGKK3160- ...	1		450 - 480	190	1	
13b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...		681 - 1180	340 - 590		1	
	gear 3 sz 2 MV	FGMK3080- ...		1181 - 1460	590 - 730		1	
	gear 3 sz 3 MV	FGMK3090- ...		1461 - 1920	730 - 960		1	
	gear 3 sz 4 TL	FGMK3100- ...		1921 - 2360	960 - 1180		2	
14	travel restriction S-ES	891124	1		450 - 2360			
15	handle Si-line	Ref.access. ZHSS	1		450 - 2360			
16	sash part one-piece MV-W	Ref. PDB, ZFMV03	1		801 - 1600			
	sash part one-piece MV-W	Ref. PDB, ZFMV03	2		1601 - 2360			
17	frame part MV-W	Ref. PDB, ZRZM02	1		801 - 1600			
	frame part MV-W	Ref. PDB, ZRZM02	2		1601 - 2360			
18	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
19	striker plate S 56	Ref. PDB, TRSM						
on request								
20	location piece	702543	3					
13b	gear 3 sz 3/2 MV	701805	1		1461 - 1920	730 - 960		2
21	snapper	Ref. PDB, FRZB	1		1921 - 2360			
22	sleeve	Ref. PDB, FFHU	1		1921 - 2360			

Hinge side turning points							
Pos.	Description	Part number	required as per sash weight				
			65 kg	80 kg	100 kg	130 kg	150 kg
23	corner hinge V-V 12/	TBEB0020-1 ...	1	1	1	1	1





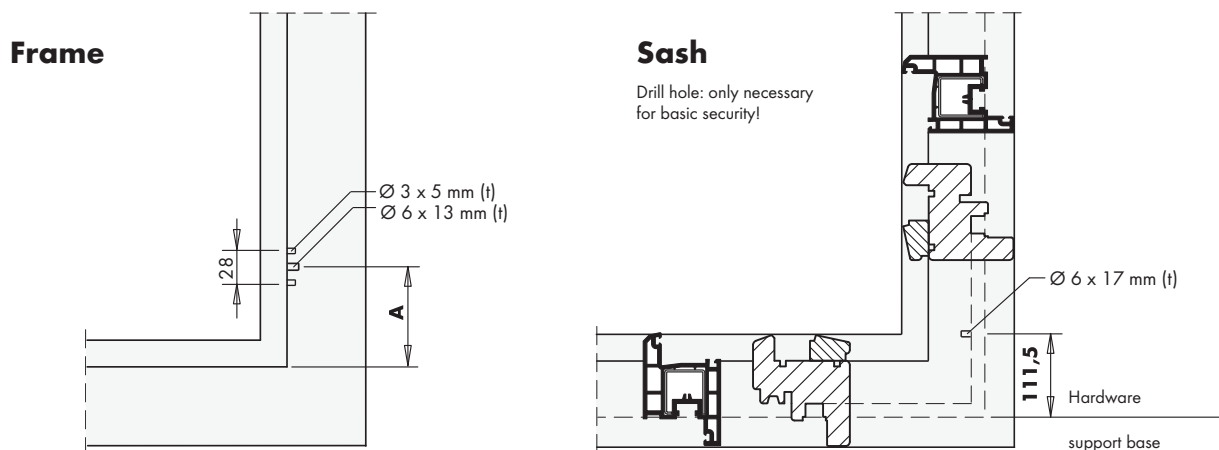
Version	V-V 18 Bottom hinge and stay arm V-V 18	V-V 22 Bottom hinge and stay arm V-V 22 and version A3060	V-V 29 Bottom hinge and stay arm V-V 29 and version A1860
without additional component Corresponding application diagram	65 kg H58.AWD_T_S010	80 kg H58.AWD_T_S013	100 kg H58.AWD_T_S018
with additional component in window format Corresponding application diagram	80 kg H58.AWD_T_S011	100 kg H58.AWD_T_S014	
with additional component in door format Corresponding application diagram	100 kg H58.AWD_T_S012	130 kg H58.AWD_T_S017	150 kg H58.AWD_T_S015

Basic security			
FFH/FFB (mm)	Part number	Description	Drilling position Dimension A
Requirements of SRH (mm)			
1001-3000	TBAV0030-_____	Top hinge V-V heavy-duty	
	TFFS0010-_____	Filling piece V-V heavy-duty	
	TBAV0020-_____	Additional component V-V heavy-duty size 2	350 mm
Requirements of SRW (mm)			
650-1050	TFKB0040-_____	*) Tilt restrictor V-V size .2-4	
1051-1250	TFKB0050-_____	*) Tilt restrictor V-V size 5	

RC1 and RC2			
FFH/FFB (mm)	Part number	Description	Drilling position Dimension A
Requirements of SRH (mm)			
1001-3000	TBAV0030-_____	Top hinge V-V heavy-duty	
	TBAV0020-_____	Additional component V-V heavy-duty size 2	540 mm
Requirements of SRW (mm)			
650-1050	TFKB0040-_____	*) Tilt restrictor V-V size .2-4	
1051-1250	TFKB0050-_____	*) Tilt restrictor V-V size 5	

Jig			
FFH/FFB (mm)	Part number	Description	
	TABL0250-_____	Jig additional component V-V heavy-duty	
	TABL0080-_____	Jig V-V heavy-duty sash	

*) When using the tilt restrictor V-V, a separate mishandling device is required!



Please observe:

Guidelines/information on the product and on liability (VHBH directive as well as the other applicable documents listed - Directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Timber profiles for windows and French windows"

Additional components heavy-duty



Part number TBAV0030-.....
 Top hinge V-V heavy-duty with clamping spring
 The clamping spring is required only with RC1 and RC2
 in combination with TVSL...



Part number TFFS0010-.....
 Filling piece V-V heavy-duty
 (is only used for basic security)



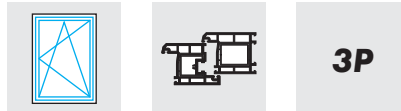
Part number
 TBAV0020-..... size 2
 Additional component V-V heavy-duty



Part number
 TFKB0040-..... size 2-4
 TFKB0050-..... size 5
 Tilt restrictor V-V

FAVORIT

Installation instructions



1-sash square tilt-turn

PVC

3-point security

centre handle pos. (variable)

Hinge side Si-line

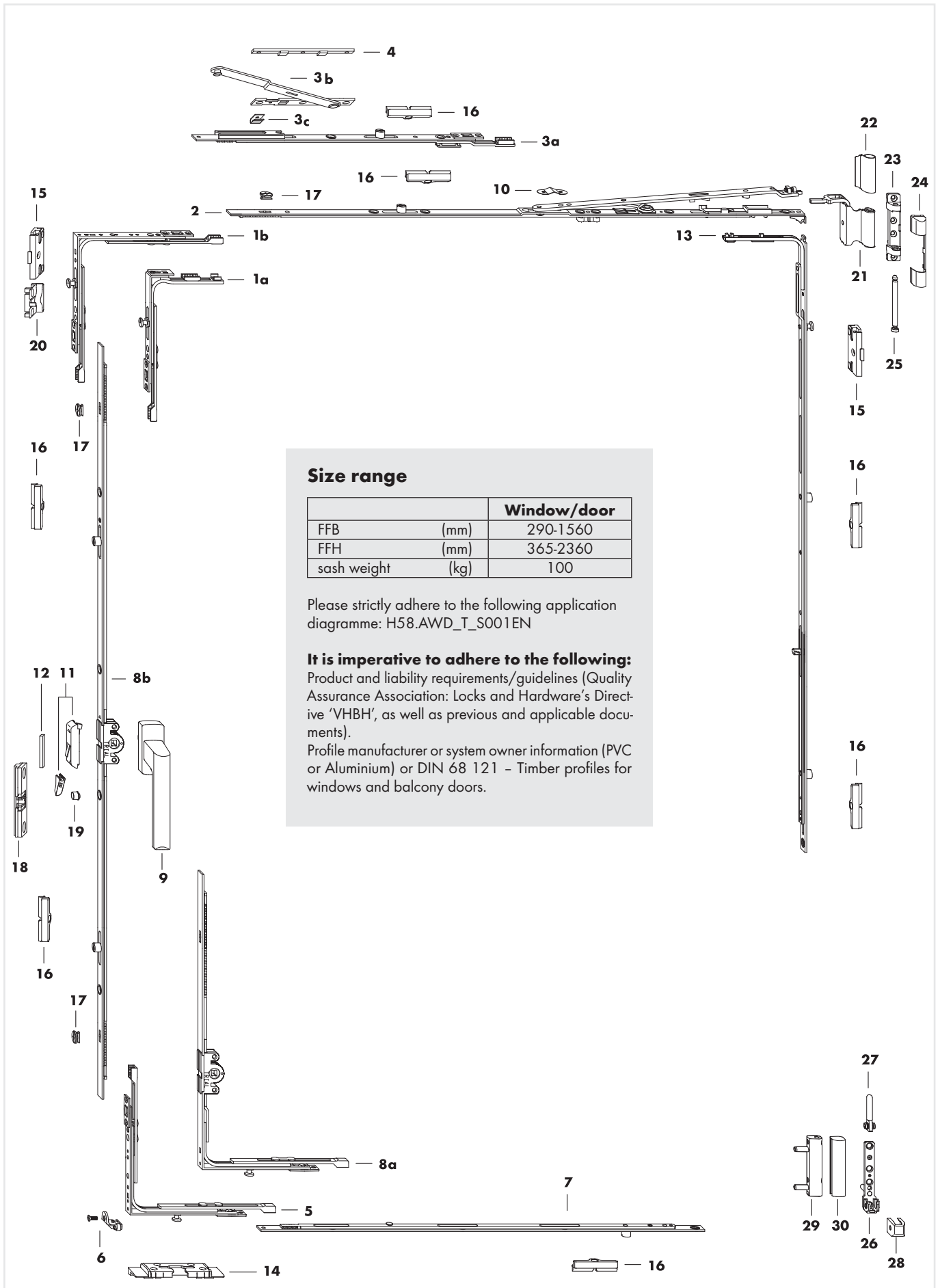
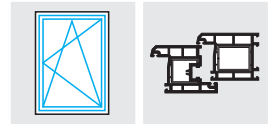
surface TS

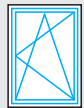
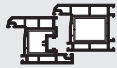
backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).





List of fittings

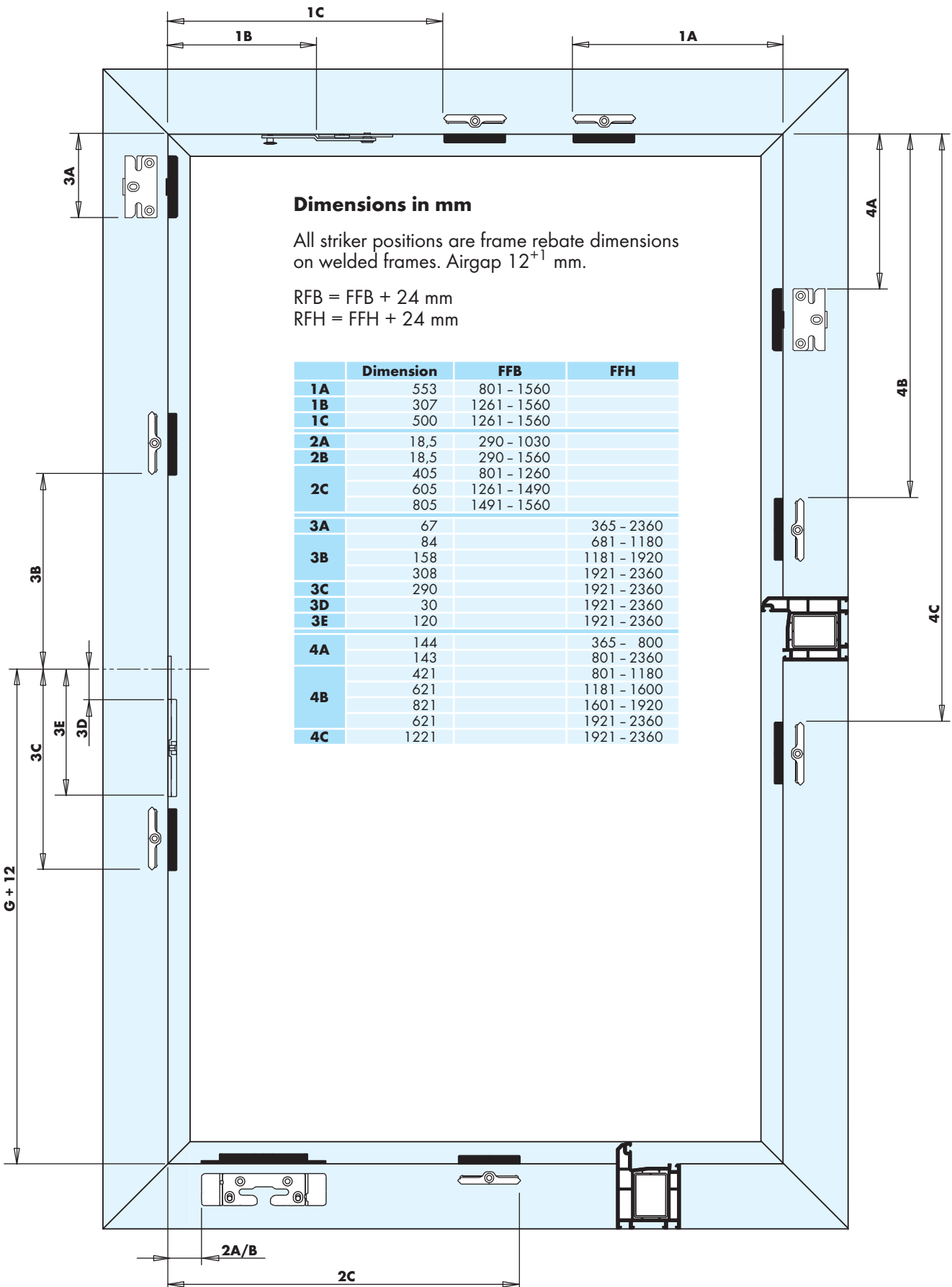
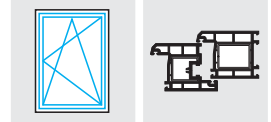
1-sash square tilt-turn
PVC GM Hinge side Si-line

FAVORIT

3P

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.		
							14	15	16
1a	corn.drive narrow VS S-ES	703038	1	290 - 410				1	
1b	corn.drive VS S-ES	FEUL0090- ...	1	411 - 1560				1	
2	stay 7 sz 30	707302	1	290 - 620					
	stay 7 sz 35 MV	707319		621 - 800					
	stay 7 sz 50 MV	707326		801 - 1030					1
	stay 7 sz 55 MV	707333		1031 - 1260					1
	stay 7 sz 50 MV	707326		1261 - 1490					1
	stay 7 sz 55 MV	707333		1491 - 1560					1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560					1
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560					
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	481 - 2360		1		
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560					
7	centre lock sz 50	700969	1	801 - 1260					1
	centre lock sz 70	700976		1261 - 1490					1
	centre lock sz 90	700983		1491 - 1560					1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1		
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 480	190	1		
8b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340			
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1180	340 - 590			1
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730			1
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960			1
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180			2
9	handle Si-line	Ref.access. ZHSS	1		365 - 2360				
10	tilt restrictor	805701	1		365 - 750				
11	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360				
12	stop	Ref. PDB, FRZF01	1		1921 - 2360				
13	corn.drive BS sz 20 1S	FEUL2100- ...	1		365 - 800			1	
	corn.drive BS sz 50 1S 1V	FEUL2110- ...			801 - 1180			1	1
	corn.drive BS sz 70 1S 1V	FEUL2120- ...			1181 - 1600			1	1
	corn.drive BS sz 90 1S 1V	FEUL2130- ...			1601 - 1920			1	1
	corn.drive BS sz 130 1S 2V	FEUL2140- ...			1921 - 2360			1	2
14	tilt lock bear. S-ES FH	Ref. PDB, FRKA							
15	striker plate S-RS	Ref. PDB, TRSK							
16	striker plate S 56	Ref. PDB, TRSM							
on request									
17	location piece	702543	3						
8b	gear 3 sz 3/2 MV	701805	1		1461 - 1920	730 - 960			2
18	snapper	Ref. PDB, FRZB	1		1921 - 2360				
19	sleeve	Ref. PDB, FFHU	1		1921 - 2360				
20	frame part SP-S	Ref. PDB, FRZL01	1						

Hinge side turning points						
Pos.	Description	Part number	required as per sash weight			
			surface TS	RAL9003	RAL8019	100 kg
21	stay hinge	Ref. PDB, FBWB				1
22	cover cap W PVC			FKWB0010-002 ...	836200	1
23	top hinge	Ref. PDB, FBSL01				1
24	cover cap S			FKSL0010-002 ...	FKSL0010-011 ...	1
25	top hinge pin diam.6	FBSB0010-1 ...				1
26	bottom hinge	Ref. PDB, FBEL01				1
27	bottom hinge pin diam.7	FBLB0060-1 ...				1
28	cover cap EL U			FKEU0010-002 ...	FKEU0010-011 ...	1
29	corner hinge PVC diam.6x16/16	FBEB0010-1 ...				1
30	cover cap EB			FKEB0020-002 ...	887547	1



Dimensions in mm

All striker positions are frame rebate dimensions on welded frames. Airgap 12⁺¹ mm.

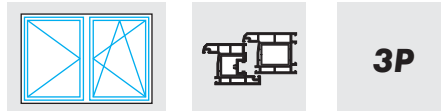
RFB = FFB + 24 mm

RFH = FFH + 24 mm

Dimension	FFB	FFH
1A	553	801 - 1560
1B	307	1261 - 1560
1C	500	1261 - 1560
2A	18,5	290 - 1030
2B	18,5	290 - 1560
2C	405	801 - 1260
	605	1261 - 1490
3A	805	1491 - 1560
	67	365 - 2360
3B	84	681 - 1180
	158	1181 - 1920
3C	308	1921 - 2360
3D	290	1921 - 2360
3E	30	1921 - 2360
4A	120	1921 - 2360
	144	365 - 800
4B	143	801 - 2360
	421	801 - 1180
4C	621	1181 - 1600
	821	1601 - 1920
	621	1921 - 2360
	1221	1921 - 2360

FAVORIT

Installation instructions



2-sash square tilt-turn/turn DSG gear

PVC

3-point security

centre handle pos. (variable)

Hinge side Si-line

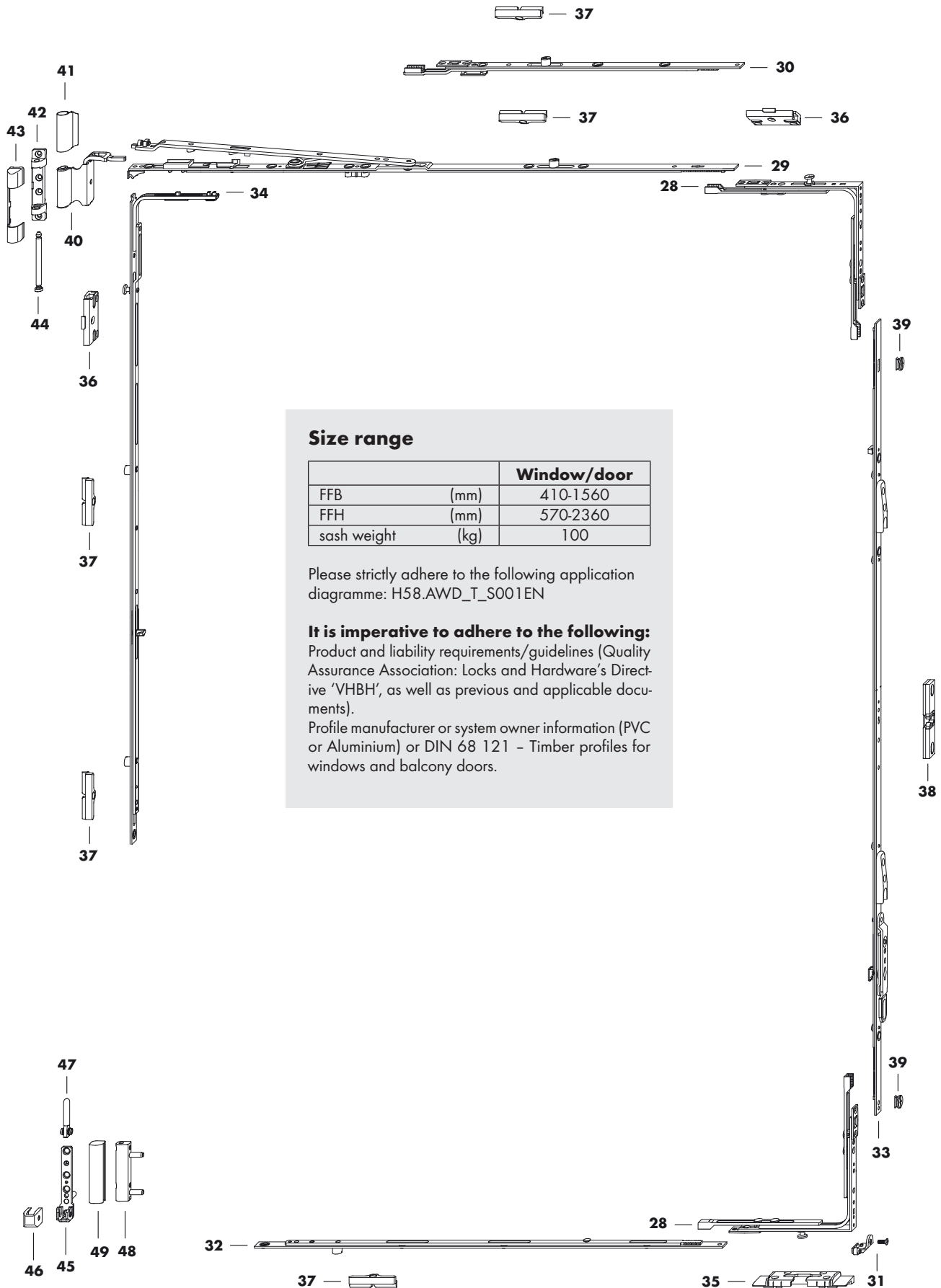
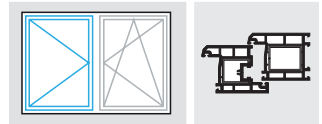
surface TS

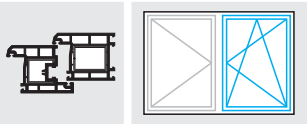
backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point; double hinge with DK-bolt</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).



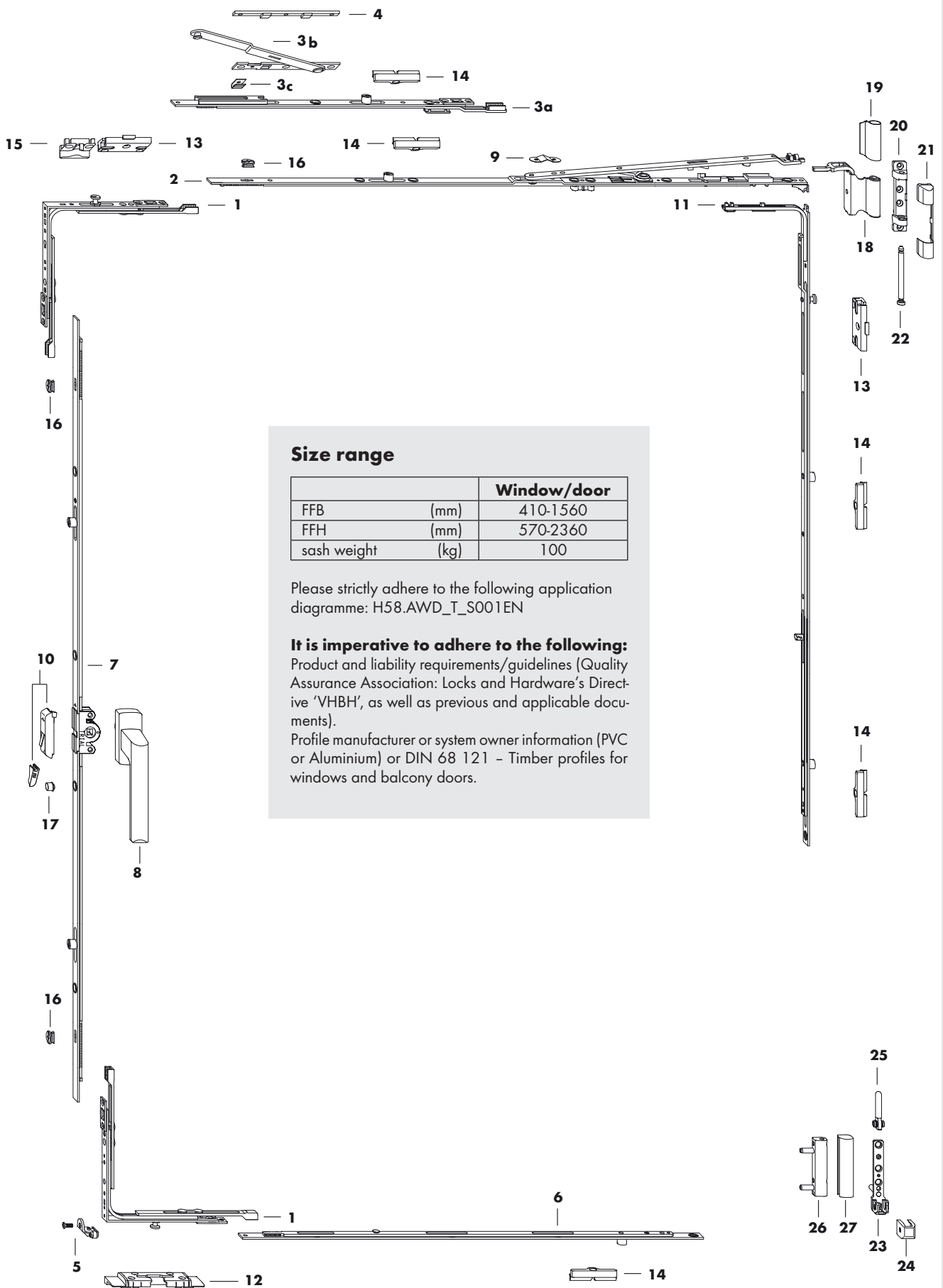


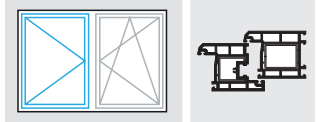
hardware layout main sash

2-sash square tilt-turn/turn DSG gear
PVC GM Hinge side Si-line

FAVORIT

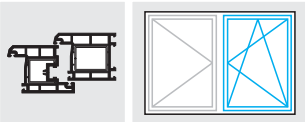
3P





Pos.	Description	Part number	QTY	FFB	FFH	Dimension G In the main sash	Number of frame parts / Pos.		
							35	36	37
28	corn.drive VS S-ES	FEUL0090- ...	2	410 - 1560			1	1	
29	stay 7 sz 30	707302	1	410 - 620					
	stay 7 sz 35 MV	707319		621 - 800					
	stay 7 sz 50 MV	707326		801 - 1030					1
	stay 7 sz 55 MV	707333		1031 - 1260					1
	stay 7 sz 50 MV	707326		1261 - 1490					1
	stay 7 sz 55 MV	707333		1491 - 1560					1
30	linkage sz 460 MV	713266	1	1261 - 1560					1
31	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560					
32	centre lock sz 50	700969	1	801 - 1260					1
	centre lock sz 70	700976		1261 - 1490					1
	centre lock sz 90	700983		1491 - 1560					1
33	sec.sash gear 16 FAV sz 60	FGKS1010- ...	1		570 - 680	285 - 340			
	sec.sash gear 16 FAV sz 70 1SB	FGMS1010- ...			681 - 1180	340 - 590			
	sec.sash gear 16 FAV sz 100 1SB	FGMS1020- ...			1181 - 1460	590 - 730			
	sec.sash gear 16 FAV sz 150 1SB	FGMS1040- ...			1461 - 1920	730 - 960			
	sec.sash gear 16 FAV sz 200 2SB	FGMS1060- ...			1921 - 2360	960 - 1180			
34	corn.drive BS sz 20 1S	FEUL2100- ...	1		570 - 800			1	
	corn.drive BS sz 50 1S 1V	FEUL2110- ...			801 - 1180			1	1
	corn.drive BS sz 70 1S 1V	FEUL2120- ...			1181 - 1600			1	1
	corn.drive BS sz 90 1S 1V	FEUL2130- ...			1601 - 1920			1	1
	corn.drive BS sz 130 1S 2V	FEUL2140- ...			1921 - 2360			1	2
35	tilt lock bear. S-ES FH	Ref. PDB, FRKA							
36	striker plate S-RS	Ref. PDB, TRSK							
37	striker plate S 56	Ref. PDB, TRSM							
on request									
38	snapper	Ref. PDB, FRZB02	1		1921 - 2360				
39	location piece	702543	2						

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
40	stay hinge	Ref. PDB, FBWB			1
41	cover cap W PVC		FKWB0010-002 ...	836200	1
42	top hinge	Ref. PDB, FBLS01			1
43	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
44	top hinge pin diam.6	FBSB0010-1 ...			1
45	bottom hinge	Ref. PDB, FBEL01			1
46	bottom hinge pin diam.7	FBLB0060-1 ...			1
47	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
48	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
49	cover cap EB		FKEB0020-002 ...	887547	1



List of fittings main sash

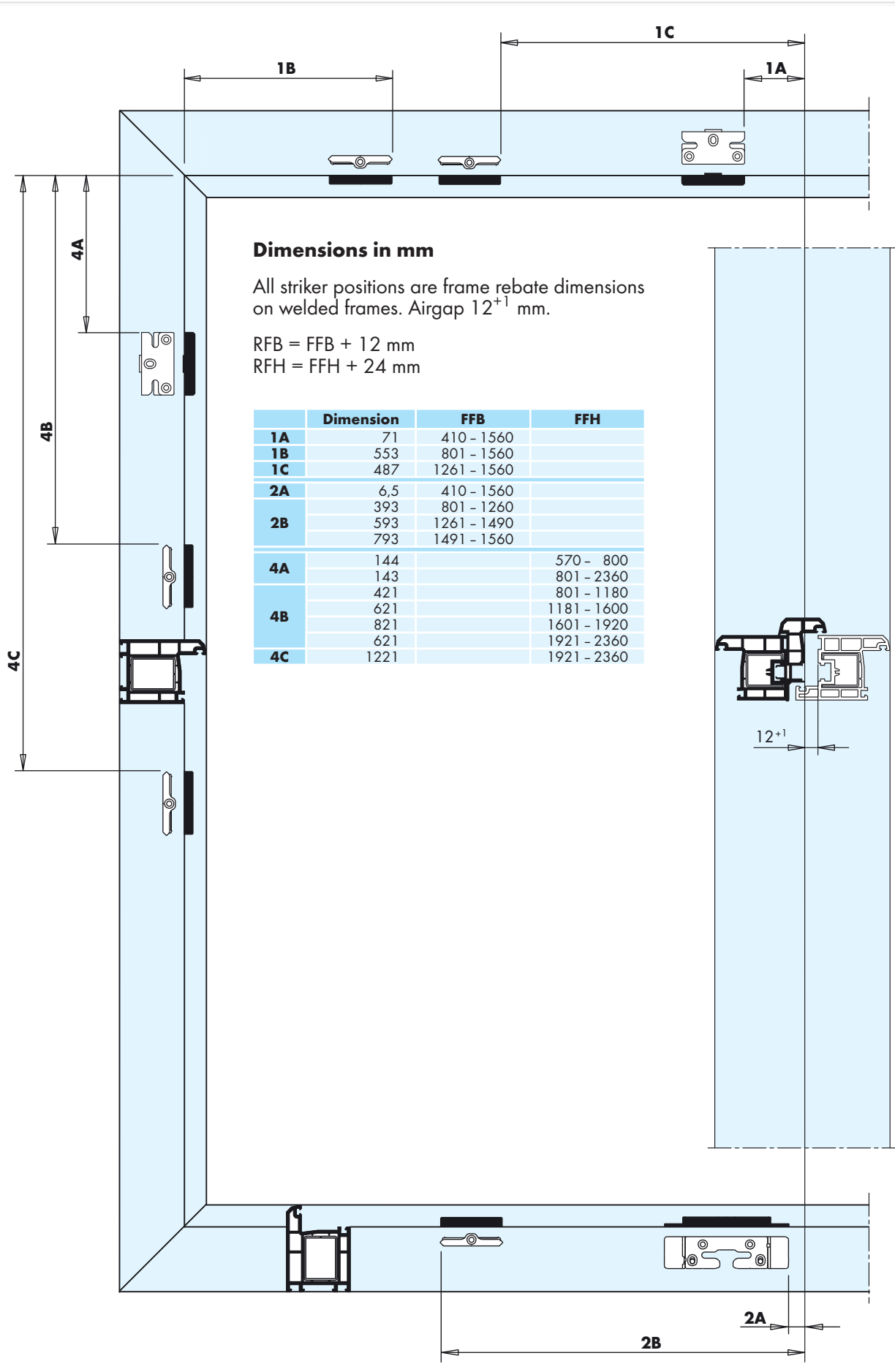
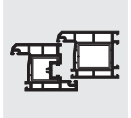
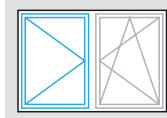
2-sash square tilt-turn/turn DSG gear
PVC GM Hinge side Si-line

FAVORIT

3P

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.		
							12	13	14
1	corn.drive VS S-ES	FEUL0090- ...	2	410 - 1560			1	1	
2	stay 7 sz 30	707302	1	410 - 620					
	stay 7 sz 35 MV	707319		621 - 800					
	stay 7 sz 50 MV	707326		801 - 1030					1
	stay 7 sz 55 MV	707333		1031 - 1260					1
	stay 7 sz 50 MV	707326		1261 - 1490					1
	stay 7 sz 55 MV	707333		1491 - 1560					1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560					1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560					
5	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560					
6	centre lock sz 50	700969	1	801 - 1260					1
	centre lock sz 70	700976		1261 - 1490					1
	centre lock sz 90	700983		1491 - 1560					1
7	gear 3 sz 0	FGMK3050- ...	1		570 - 680	285 - 340			
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1180	340 - 590			
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730			
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960			
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180			
8	handle Si-line	Ref.access. ZHSS	1		570 - 2360				
9	tilt restrictor	805701	1		570 - 750				
10	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360				
11	corn.drive BS sz 20 1S	FEUL2100- ...	1		570 - 800			1	
	corn.drive BS sz 50 1S 1V	FEUL2110- ...			801 - 1180			1	1
	corn.drive BS sz 70 1S 1V	FEUL2120- ...			1181 - 1600			1	1
	corn.drive BS sz 90 1S 1V	FEUL2130- ...			1601 - 1920			1	1
	corn.drive BS sz 130 1S 2V	FEUL2140- ...			1921 - 2360			1	2
12	tilt lock bear. S-ES FH	Ref. PDB, FRKA							
13	striker plate S-RS	Ref. PDB, TRSK							
14	striker plate S 56	Ref. PDB, TRSM							
on request									
15	frame part SP-S	Ref. PDB, FRZL01	1						
16	location piece	702543	3						
17	sleeve DSG	Ref. PDB, FFHU02	1		1921 - 2360				

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
18	stay hinge	Ref. PDB, FBWB			1
19	cover cap W PVC		FKWB0010-002 ...	836200	1
20	top hinge	Ref. PDB, FBLS01			1
21	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
22	top hinge pin diam.6	FBSB0010-1 ...			1
23	bottom hinge	Ref. PDB, FBEL01			1
24	bottom hinge pin diam.7	FBLB0060-1 ...			1
25	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
26	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
27	cover cap EB		FKEB0020-002 ...	887547	1

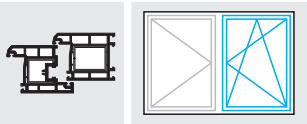


Dimensions in mm

All striker positions are frame rebate dimensions on welded frames. Airgap 12⁺¹ mm.

RFB = FFB + 12 mm
RFH = FFH + 24 mm

Dimension	FFB	FFH
1A	71	410 - 1560
1B	553	801 - 1560
1C	487	1261 - 1560
2A	6,5	410 - 1560
2B	393	801 - 1260
	593	1261 - 1490
4A	144	570 - 800
	143	801 - 2360
4B	421	801 - 1180
	621	1181 - 1600
	821	1601 - 1920
4C	621	1921 - 2360
	1221	1921 - 2360

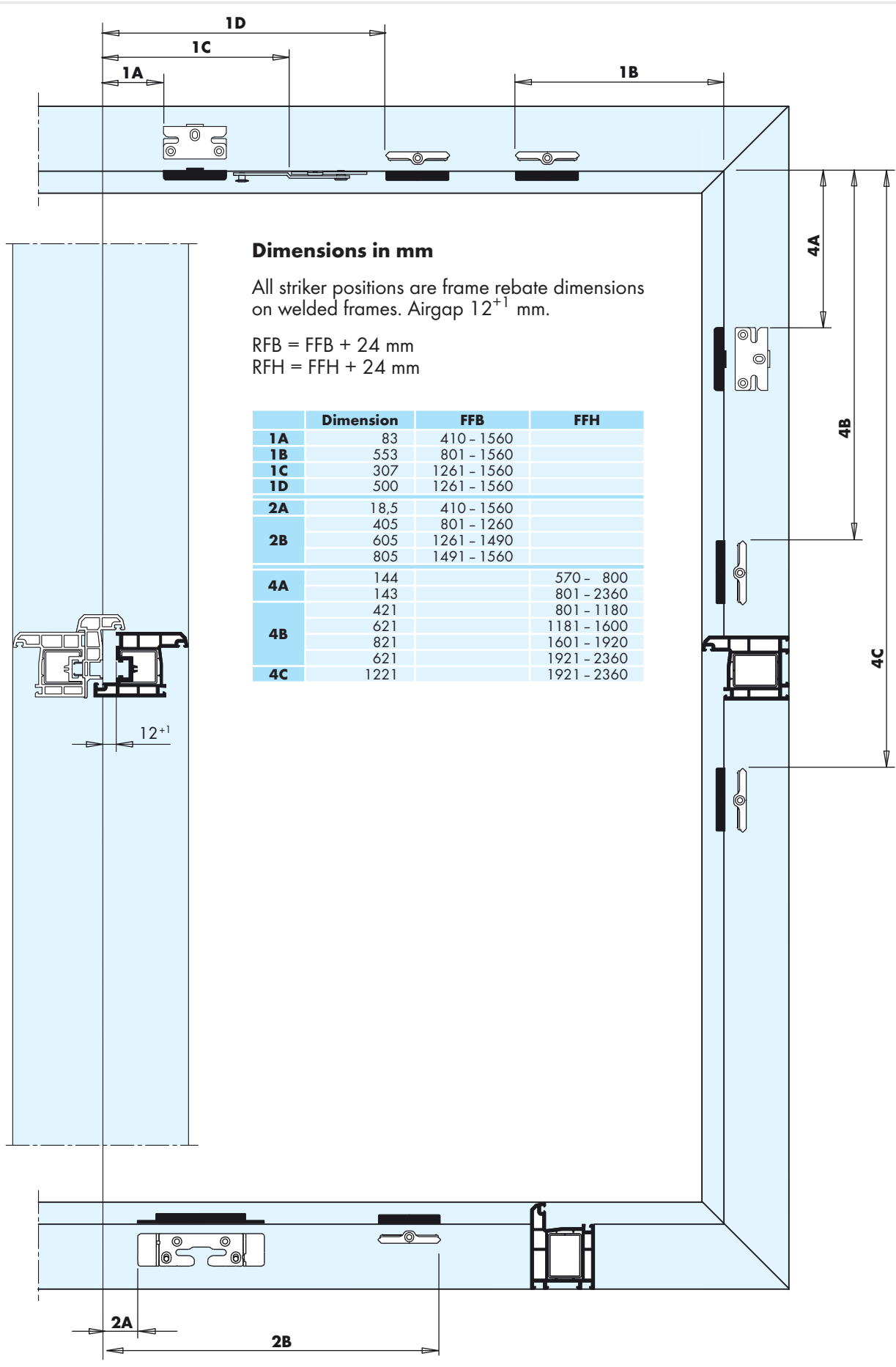


Frame dimensions main sash

2-sash square tilt-turn/turn DSG gear
PVC GM Hinge side Si-line

FAVORIT

3P



Dimensions in mm

All striker positions are frame rebate dimensions on welded frames. Airgap 12⁺¹ mm.

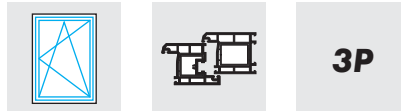
RFB = FFB + 24 mm

RFH = FFH + 24 mm

	Dimension	FFB	FFH
1A	83	410 - 1560	
1B	553	801 - 1560	
1C	307	1261 - 1560	
1D	500	1261 - 1560	
2A	18,5	410 - 1560	
	405	801 - 1260	
2B	605	1261 - 1490	
	805	1491 - 1560	
4A	144		570 - 800
	143		801 - 2360
	421		801 - 1180
4B	621		1181 - 1600
	821		1601 - 1920
	621		1921 - 2360
4C	1221		1921 - 2360

FAVORIT

Installation instructions



1-sash square tilt before turn (TBT)

PVC

3-point security

centre handle pos. (variable)

Hinge side Si-line

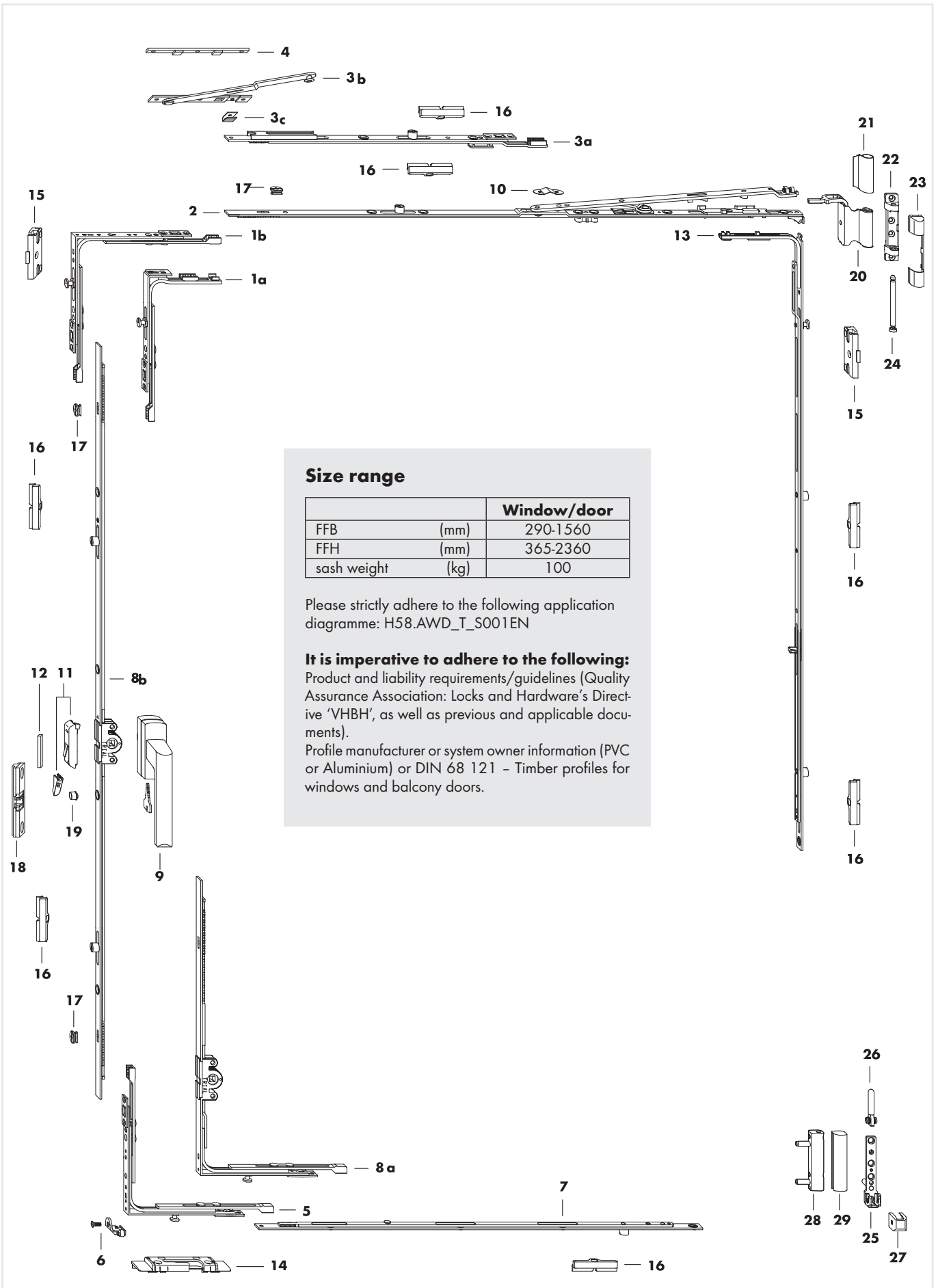
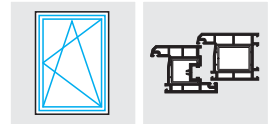
surface TS

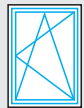
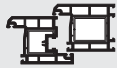
backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).





List of fittings

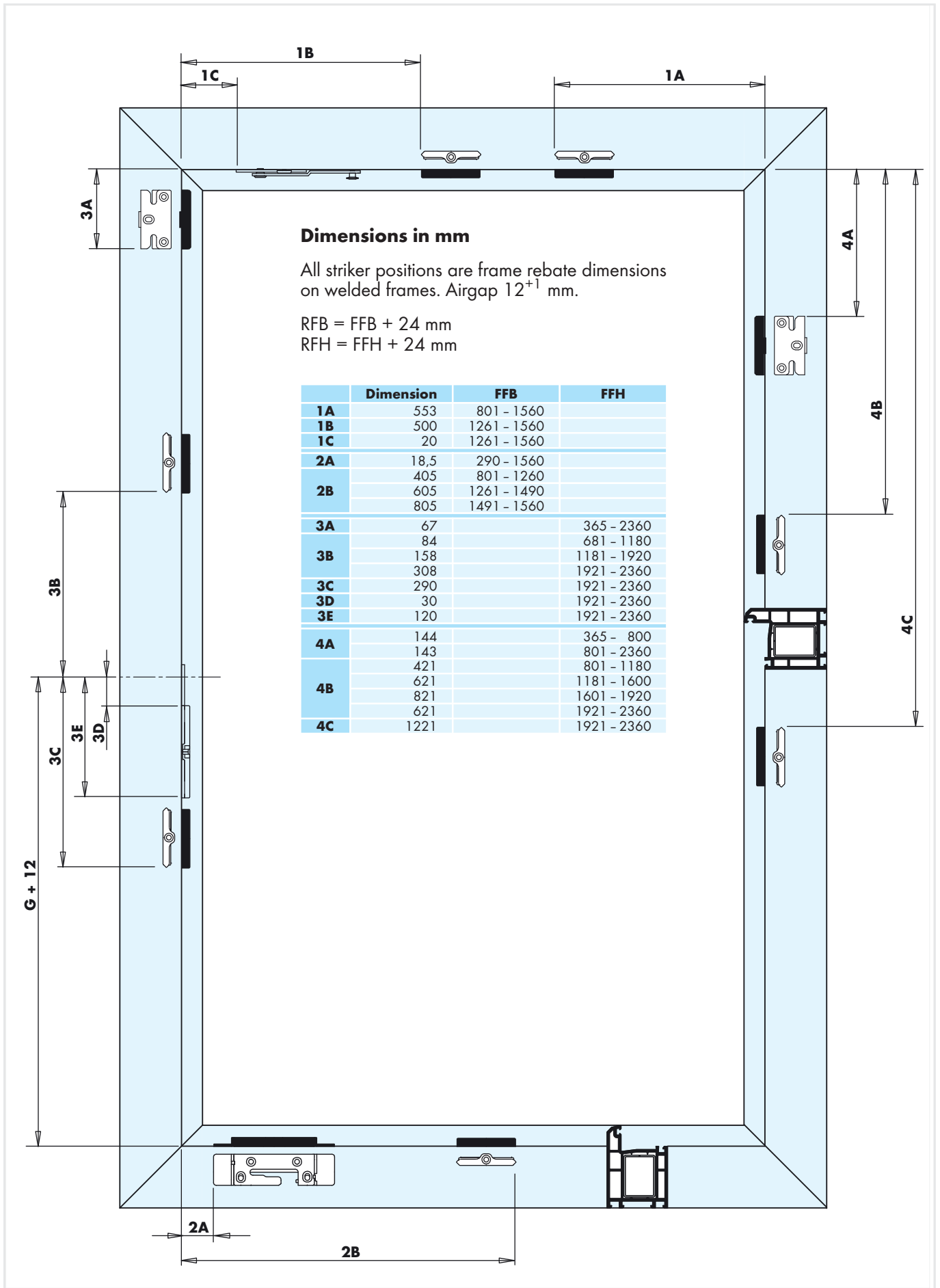
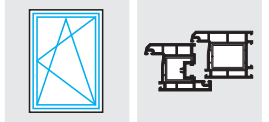
1-sash square tilt before turn (TBT)
PVC GM Hinge side Si-line

FAVORIT

3P

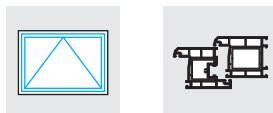
Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.		
							14	15	16
1a	corn.drive narrow VS S-ES	703038	1	290 - 410				1	
1b	corn.drive VS S-ES	FEUL0090- ...	1	411 - 1560				1	
2	stay 7 TBT sz 30	707357	1	290 - 620					
	stay 7 TBT sz 35 MV	707364		621 - 800					
	stay 7 TBT sz 50 MV	707371		801 - 1030					1
	stay 7 TBT sz 55 MV	707388		1031 - 1260					1
	stay 7 TBT sz 50 MV	707371		1261 - 1490					1
	stay 7 TBT sz 55 MV	707388		1491 - 1560					1
3	crt.additional stay TBT	Ref. PDB, FMZS02	1	1261 - 1560					1
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560					
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	481 - 2360		1		
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560					
7	centre lock sz 50	700969	1	801 - 1260					1
	centre lock sz 70	700976		1261 - 1490					1
	centre lock sz 90	700983		1491 - 1560					1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1		
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 480	190	1		
8b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340			
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1180	340 - 590			1
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730			1
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960			1
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180			2
9	handle Si-line TBT lockable	Ref.access. ZHST	1		365 - 2360				
10	tilt restrictor	805701	1		365 - 750				
11	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360				
12	stop	Ref. PDB, FRZF01	1		1921 - 2360				
13	corn.drive BS sz 20 1S	FEUL2100- ...	1		365 - 800			1	
	corn.drive BS sz 50 1S 1V	FEUL2110- ...			801 - 1180			1	1
	corn.drive BS sz 70 1S 1V	FEUL2120- ...			1181 - 1600			1	1
	corn.drive BS sz 90 1S 1V	FEUL2130- ...			1601 - 1920			1	1
	corn.drive BS sz 130 1S 2V	FEUL2140- ...			1921 - 2360			1	2
14	tilt lock bear. S-ES FH TBT	Ref. PDB, FRKB							
15	striker plate S-RS	Ref. PDB, TRSK							
16	striker plate S 56	Ref. PDB, TRSM							
on request									
17	location piece	702543	3						
8b	gear 3 sz 3/2 MV	701805	1		1461 - 1920	730 - 960			2
18	snapper	Ref. PDB, FRZB	1		1921 - 2360				
19	sleeve	Ref. PDB, FFHU	1		1921 - 2360				

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
20	stay hinge	Ref. PDB, FBWB			1
21	cover cap W PVC		FKWB0010-002 ...	836200	1
22	top hinge	Ref. PDB, FBLS01			1
23	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
24	top hinge pin diam.6	FBSB0010-1 ...			1
25	bottom hinge	Ref. PDB, FBEL01			1
26	bottom hinge pin diam.7	FBLB0060-1 ...			1
27	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
28	corner hinge PVC diam.6x16/16	FBEB0010-1 ...			1
29	cover cap EB		FKEB0020-002 ...	887547	1



FAVORIT

Installation instructions



for 1-sash square-tilt-elements

PVC

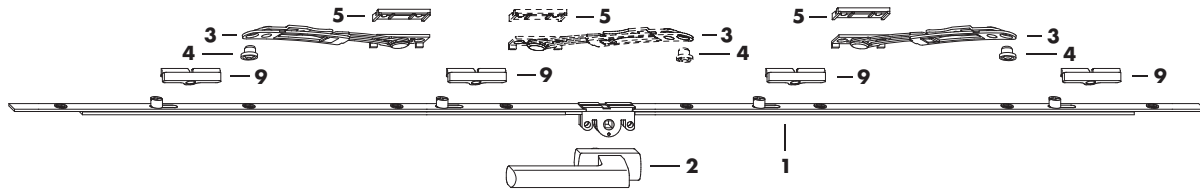
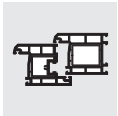
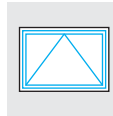
basic security

handle height centre/variable

hinge side Si-line

surface TS

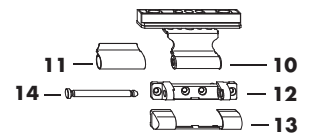
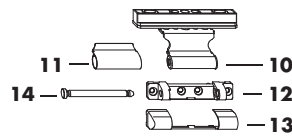
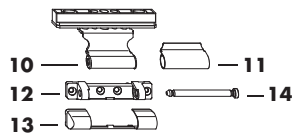
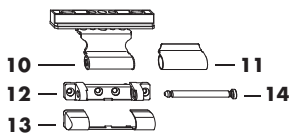
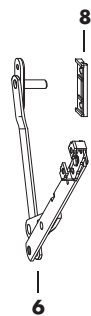
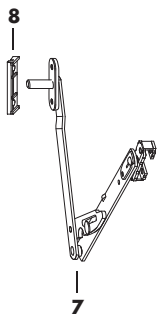
backset 16 mm

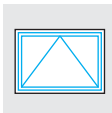
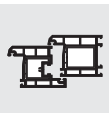


Size range

		Window
FFB	(mm)	400 - 2360
FFH	(mm)	350 - 800
sash weight	(kg)	50

It is imperative to adhere to the following:
Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's directive 'VHBH', as well as previous and applicable documents). Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.





List of fittings

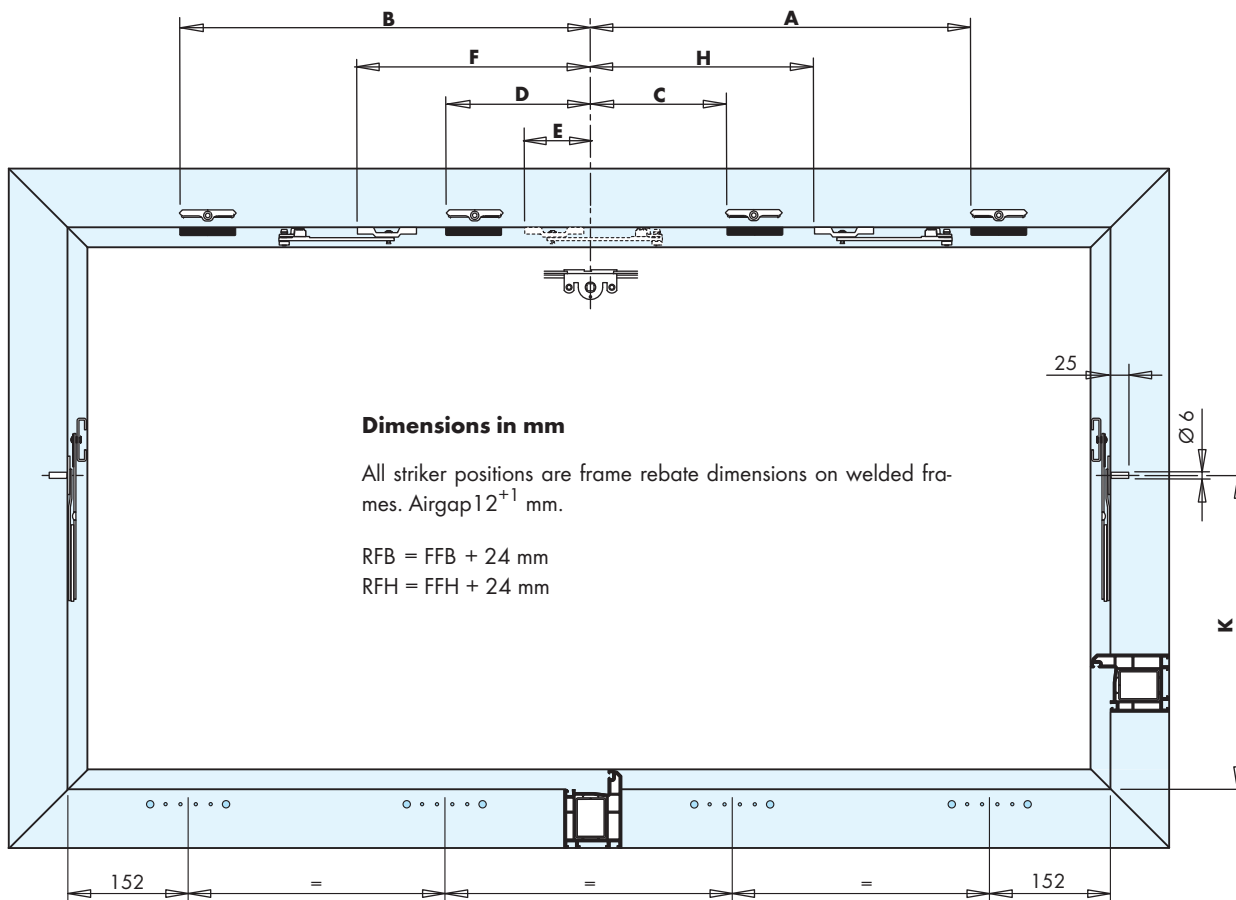
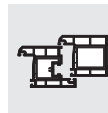
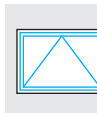
for 1-sash square-tilt-elements
PVC GM hinge side Si-line

FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts
							Pos. 9
1	gear DF 3 sz 60	701225	1	400 - 600		200 - 300	2
	gear DF 3 sz 80	701232		601 - 800		300 - 400	2
	gear DF 3 sz 100	701249		801 - 1000		400 - 500	2
	gear DF 3 sz 120 MV	701256		1001 - 1200		500 - 600	3
	gear DF 3 sz 140 MV	701263		1201 - 1400		600 - 700	3
	gear DF 3 sz 160 MV	701270		1401 - 1600		700 - 800	3
	gear DF 3 sz 180 MV	701287		1601 - 1800		800 - 900	3
	gear DF 3 sz 200 MV	701294		1801 - 2000		900 - 1000	3
	gear DF 3 sz 220 TL	701300		2001 - 2200		1000 - 1100	4
gear DF 3 sz 240 TL	701317	2201 - 2360		1100 - 1180	4		
2	handle Si-line	Ref. access., ZHSS	1	400 - 2360			
3	tilt only stay with telescope	TSKF0020- - - - -	1	400 - 1000			
			2	1001 - 2360			
4	locking bolt for ring lowering	TFZB0050- - - - -	1	400 - 1000			
			2	1001 - 2360			
5	packer RB/FPS A...	Ref. PDB, FRUP02	1	400 - 1000			
			2	1001 - 2360			
6	tilt only safety stay sz 1 rh	ASFP0011- - - - -	1		350 - 500		
	tilt only safety stay sz 2 rh	ASFP0021- - - - -			501 - 800		
7	tilt only safety stay sz 1 lh	ASFP0012- - - - -	1		350 - 500		
	tilt only safety stay sz 2 lh	ASFP0022- - - - -			501 - 800		
8	packer RB/FPS A...	Ref. PDB, FRUP02	2		350 - 800		
9	striker plate 56 A...	Ref. PDB, TRSM					

Hinge side turning points								
Pos.	Description	Surface TS	Part number			required as per FFB		
			RAL9003	RAL8019		400 - 800	801 - 1800	1801 - 2360
10	tilt sash hinge PVC 12/...	Ref. PDB, FBKF				2	3	4
11	cover cap W PVC		FKWB0010- 002 ___	836200		2	3	4
12	top hinge DH PVC	Ref. PDB, FBSLO1				2	3	4
13	cover cap S		FKSLO010- 002 ___	834855		2	3	4
14	top hinge pin Ø6	FBSB0010- - - - -				2	3	4



	Dim.	FFB
A	144	401 - 600
	194	601 - 800
	294	801 - 1000
	394	1001 - 1200
	494	1201 - 1400
	594	1401 - 1600
	694	1601 - 1800
	794	1801 - 2000
	894	2001 - 2200
	994	2201 - 2360
B	126	401 - 600
	176	601 - 800
	276	801 - 1000
	376	1001 - 1200
	476	1201 - 1400
	576	1401 - 1600
	676	1601 - 1800
	776	1801 - 2000
C	876	2001 - 2200
	976	2201 - 2360
	159	1001 - 2000
	309	2001 - 2360
D	289	2001 - 2360

	Dim.	FFB	FFH
E	54	401 - 1200	-
F	142	1001 - 1200	-
	187	1201 - 1400	-
	287	1401 - 1600	-
	387	1601 - 1800	-
	487	1801 - 2000	-
	652	2001 - 2200	-
	637	2201 - 2360	-
H	291	1201 - 1400	-
	391	1401 - 1600	-
	491	1601 - 1800	-
	591	1801 - 2000	-
	691	2001 - 2200	-
K	791	2201 - 2360	-
	230	-	350 - 500
	370	-	501 - 800



4 - Directory

Installation instructions timber 12 mm

Fixed handle position

FAVORIT

Vertical tilt point

Basic security

1-sash square tilt-turn	H48.FAVH2KOS001EN	4 - 3
2-sash square tilt-turn/turn shoot bolt	H48.FAVH2KOS002EN	4 - 7

Horizontal tilt point

Basic security

1-sash square tilt-turn	H48.FAVH2KOS003EN	4 - 15
2-sash square tilt-turn/turn DS 16	H48.FAVH2KOS013EN	4 - 19
2-sash square tilt-turn/turn shoot bolt	H48.FAVH2KOS006EN	4 - 27

Tilt before turn (TBT)

1-sash square tilt before turn (TBT)	H48.FAVH2KOS009EN	4 - 35
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Turn only sash

1-sash square turn, Gear DF	H48.FAVH2KOS012EN	4 - 39
1-sash square turn, Gear DK	H48.FAVH2KOS011EN	4 - 43

3P

1-sash square tilt-turn	H48.FAVH2KOS007EN	4 - 47
2-sash square tilt-turn/turn DS 16	H48.FAVH2KOS015EN	4 - 51

Tilt before turn (TBT)

1-sash square tilt before turn (TBT)	H48.FAVH2KOS010EN	4 - 59
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FAVORIT

Installation instructions



1-sash square tilt-turn

timber 12 mm

none

fixed handle position

Hinge side Si-line

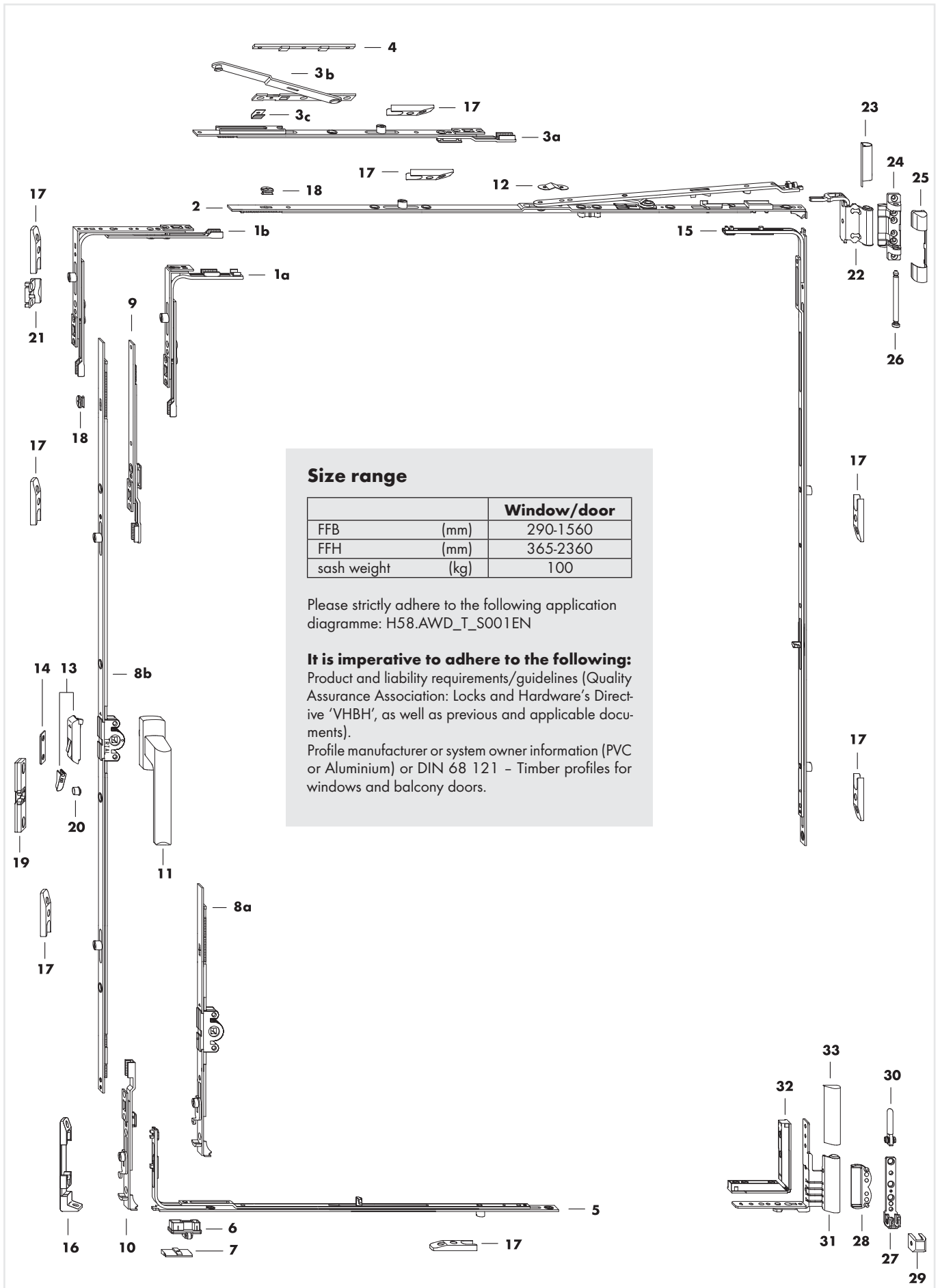
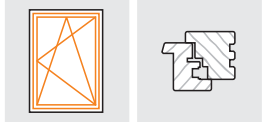
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>vertical tilt point</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).





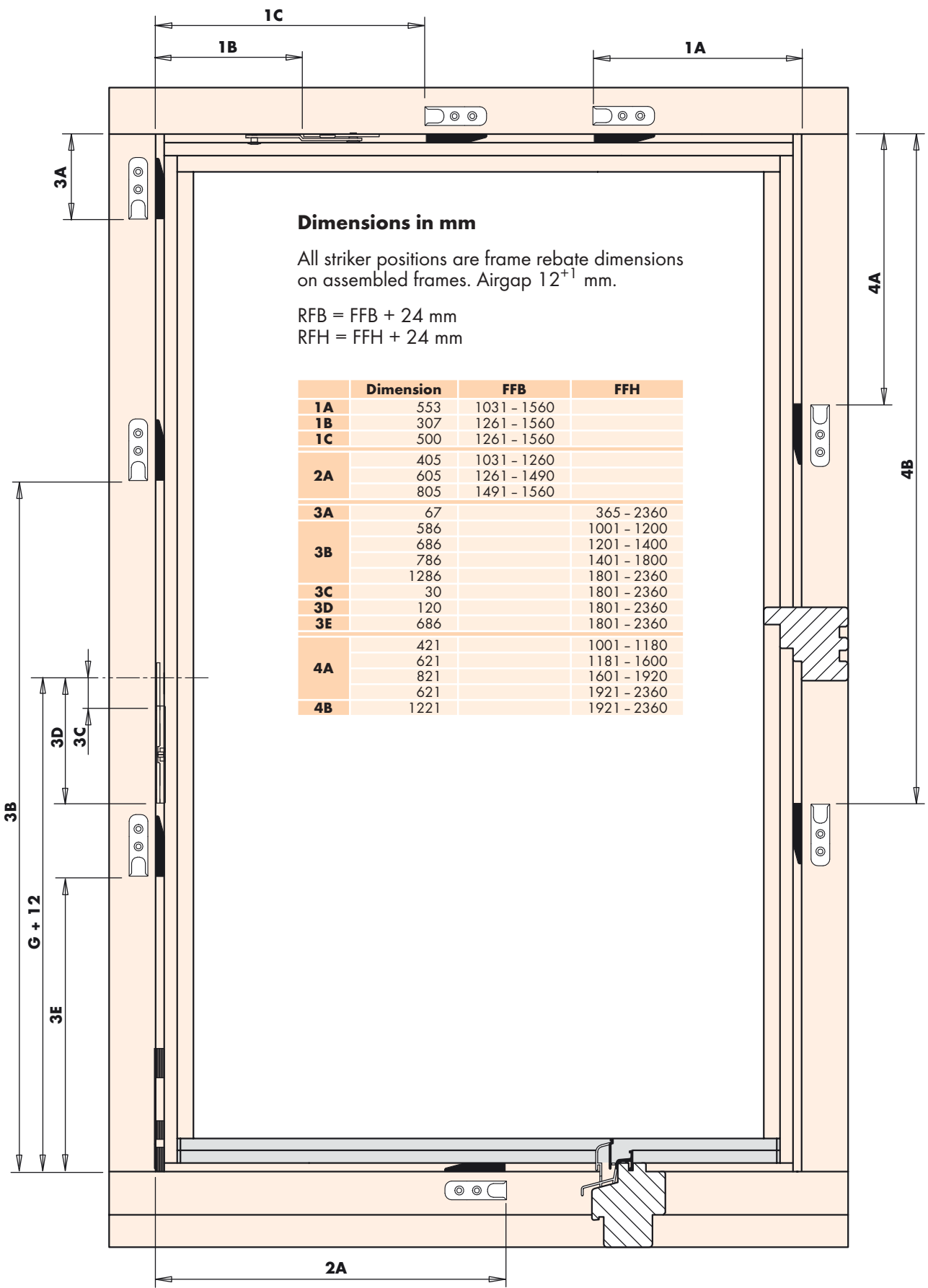
List of fittings

1-sash square tilt-turn
H12 GK Hinge side Si-line

FAVORIT

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							16	17
1a	corn.drive narrow VSO	702925	1	290 - 410				1
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				1
2	stay 7 sz 30	707302	1	290 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560				
5	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1	1031 - 1260				1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1261 - 1490				1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1491 - 1560				1
6	sash lift .. A2000	TFFH0010- ...	1	290 - 1030				
7	run-up FH/TiP	Ref. PDB, TRAL	1	290 - 1030				
8a	gear 23 sz 40/G125	707050	1		365 - 430	125	1	
	gear 23 sz 50/G190	707067			431 - 600	190	1	
8b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290		
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390		
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		1
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		1
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		1
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		1
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		2
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090		2
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
10	tilt lock element	701072	1		601 - 2360		1	
11	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
12	tilt restrictor	805701	1		365 - 750			
13	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360			
14	stop	Ref. PDB, FRZFO1	1		1801 - 2360			
15	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		1001 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
16	tilt striker plate	Ref. PDB, FRKS						
17	striker plate 56	Ref. PDB, FRSB						
on request								
18	location piece	702543	2					
19	snapper	Ref. PDB, FRZB	1		1801 - 2360			
20	sleeve	Ref. PDB, FFHU	1		1801 - 2360			
21	frame part SP-S	Ref. PDB, FRZLO1	1					

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
22	stay hinge	Ref. PDB, FBWB			1
23	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
24	top hinge S	Ref. PDB, FBLS02			1
25	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
26	top hinge pin diam.6	FBSB0010-1 ...			1
27	bottom hinge	Ref. PDB, FBEL01			1
28	filling piece H timber	Ref. PDB, FBFS			1
29	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
30	bottom hinge pin diam.7	FBLB0060-1 ...			1
31	reb.corner hinge H timber	Ref. PDB, FBFE01			1
32	distance piece H timber	Ref. PDB, FBDS			1
33	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



Dimensions in mm

All striker positions are frame rebate dimensions on assembled frames. Airgap 12⁺¹ mm.

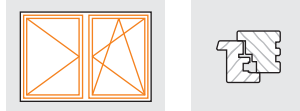
RFB = FFB + 24 mm

RFH = FFH + 24 mm

Dimension	FFB	FFH
1A	553	1031 - 1560
1B	307	1261 - 1560
1C	500	1261 - 1560
2A	405	1031 - 1260
	605	1261 - 1490
	805	1491 - 1560
3A	67	365 - 2360
	586	1001 - 1200
	686	1201 - 1400
3B	786	1401 - 1800
	1286	1801 - 2360
3C	30	1801 - 2360
3D	120	1801 - 2360
3E	686	1801 - 2360
4A	421	1001 - 1180
	621	1181 - 1600
	821	1601 - 1920
	621	1921 - 2360
4B	1221	1921 - 2360

FAVORIT

Installation instructions



2-sash square tilt-turn/turn shoot bolt

timber 12 mm

none

fixed handle position

Hinge side Si-line

surface TS

backset 16 mm

Hardware set configuration

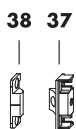
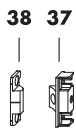
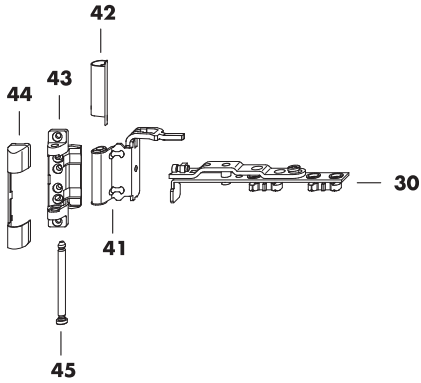
<i>General</i>	<i>vertical tilt point</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).

FAVORIT

hardware layout slave sash

2-sash square tilt-turn/turn shoot bolt
H12 GK Hinge side Si-line



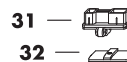
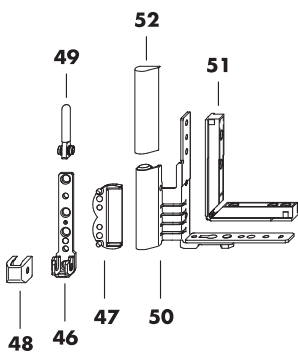
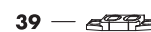
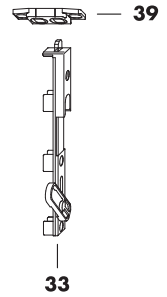
Size range

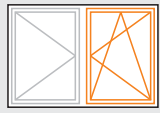
		Window/door
FFB	(mm)	230-1030
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.

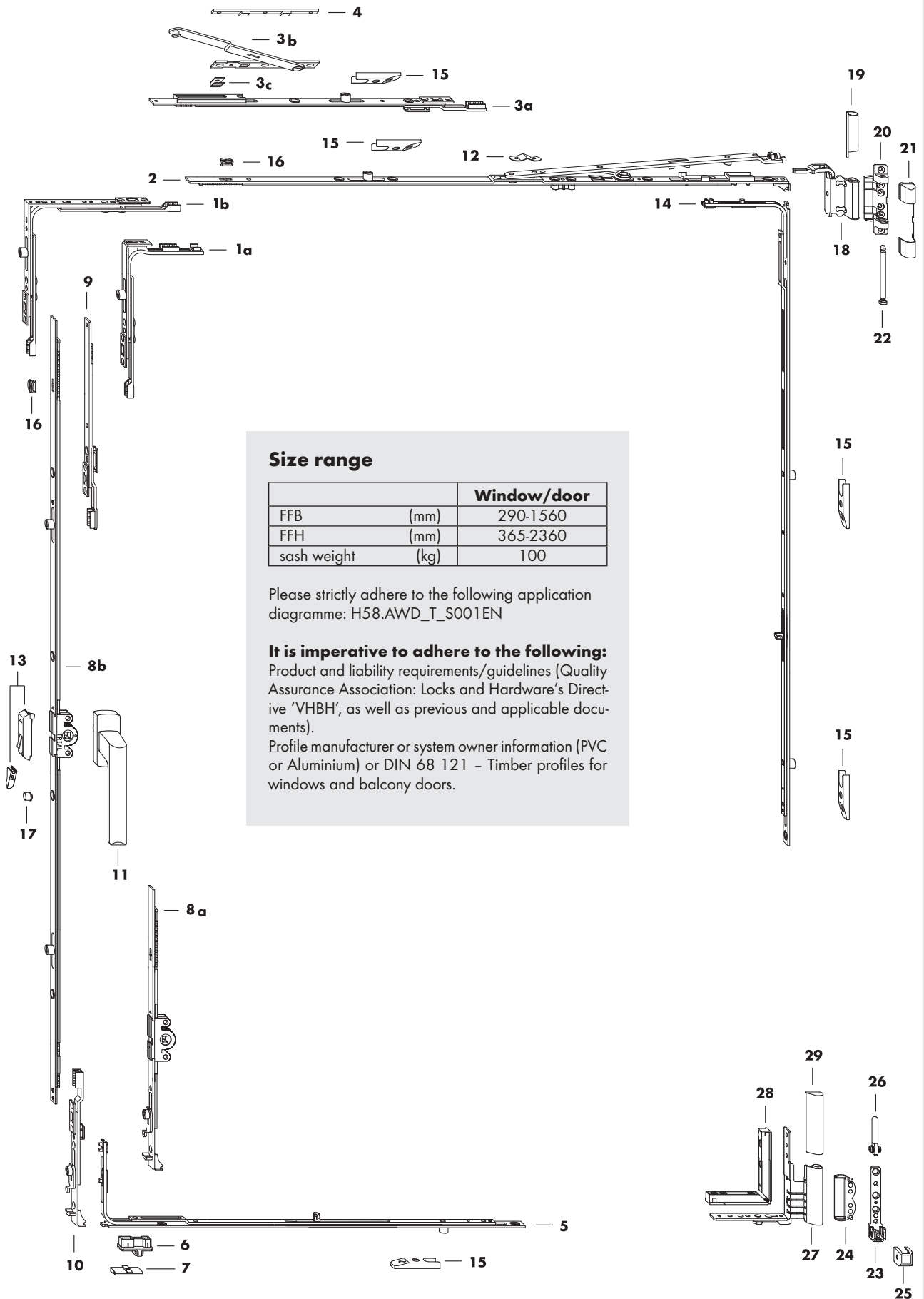


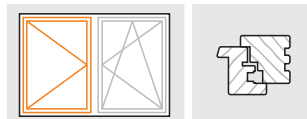


hardware layout main sash

2-sash square tilt-turn/turn shoot bolt
H12 GK Hinge side Si-line

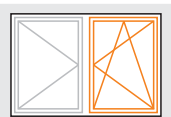
FAVORIT





Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.
						In the main sash	
30	stay 7 DF	707340	1	230 - 1030			
31	sash lift .. A2000	TFFH0010- ...	1	230 - 1030			
32	run-up FH/TiP	Ref. PDB, TRAL	1	230 - 1030			
33	shoot bolt VSO A2000	701195	1		365 - 2360		1
34	shoot bolt VSU A2000	701126	1		365 - 2360		1
35	striker plate 56 A2000	TRSB0030- ...	1		1001 - 1200	490	
	striker plate 56 A2000	TRSB0030- ...			1201 - 1400	590	
	striker plate 56 A2000	TRSB0030- ...			1401 - 1800	690	
	striker plate 56 A2000	TRSB0030- ...	2		1801 - 2360	1090	
36	stop	Ref. PDB, FRZF04	1		1801 - 2360		
37	sash part MV	Ref. PDB, ZFMV01	1		1001 - 1600		
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360		
38	frame part MV	Ref. PDB, ZRZM01	1		1001 - 1600		
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360		
39	striker V	Ref. PDB, FRZV01					
on request							
40	snapper A2000	709313	1		1801 - 2360		

Hinge side turning points						
Pos.	Description	Ref. PDB	Part number			required as per sash weight 100 kg
			surface TS	RAL9003	RAL8019	
41	stay hinge	Ref. PDB, FBWB				1
42	cover cap W timber			FKWB0020-002 ...	FKWB0020-011 ...	1
43	top hinge S	Ref. PDB, FBLS02				1
44	cover cap S			FKSL0010-002 ...	FKSL0010-011 ...	1
45	top hinge pin diam.6	FBSB0010-1 ...				1
46	bottom hinge	Ref. PDB, FBEL01				1
47	filling piece H timber	Ref. PDB, FBFS				1
48	cover cap EL U			FKEU0010-002 ...	FKEU0010-011 ...	1
49	bottom hinge pin diam.7	FBLB0060-1 ...				1
50	reb.corner hinge H timber	Ref. PDB, FBFE01				1
51	distance piece H timber	Ref. PDB, FBDS				1
52	cover cap FEB rh.			FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.			FKFE0012-002 ...	FKFE0012-011 ...	1



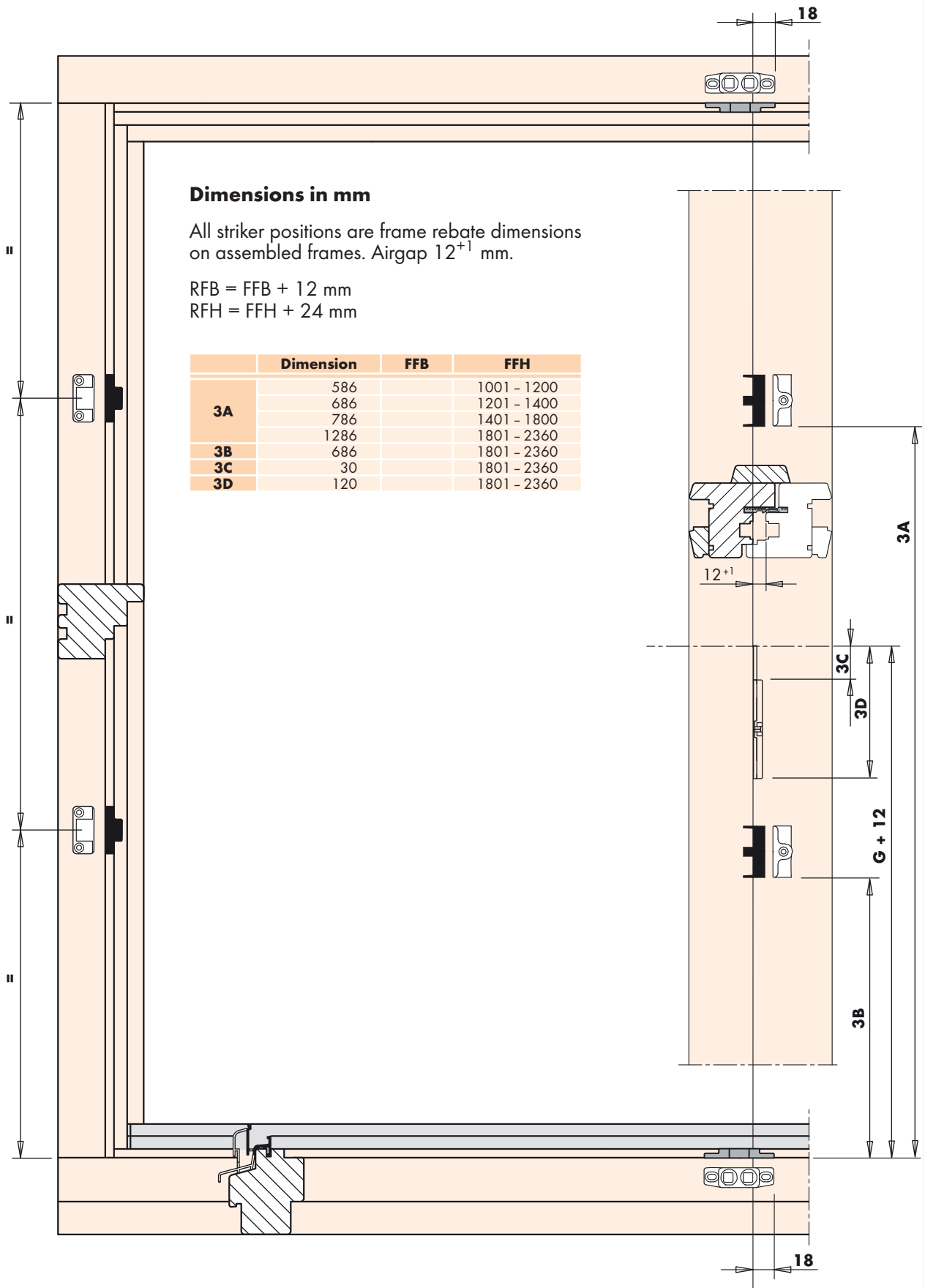
List of fittings main sash

2-sash square tilt-turn/turn shoot bolt
H12 GK Hinge side Si-line

FAVORIT

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							15	
1a	corn.drive narrow VSO	702925	1	290 - 410				
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				
2	stay 7 sz 30	707302	1	290 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560				
5	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1	1031 - 1260				1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1261 - 1490				1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1491 - 1560				1
6	sash lift .. A2000	TFFH0010- ...	1	290 - 1030				
7	run-up FH/TiP	Ref. PDB, TRAL	1	290 - 1030				
8a	gear 23 sz 40/G125	707050	1		365 - 430	125		
	gear 23 sz 50/G190	707067			431 - 600	190		
8b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290		
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390		
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090		
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
10	tilt lock element	701072	1		601 - 2360			
11	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
12	tilt restrictor	805701	1		365 - 750			
13	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360			
14	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		1001 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
15	striker plate 56	Ref. PDB, FRSB						
on request								
16	location piece	702543	2					
17	sleeve KRL	Ref. PDB, FFHU01	1		1801 - 2360			

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
18	stay hinge	Ref. PDB, FBWB			1
19	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
20	top hinge S	Ref. PDB, FBLS02			1
21	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
22	top hinge pin diam.6	FBSB0010-1 ...			1
23	bottom hinge	Ref. PDB, FBEL01			1
24	filling piece H timber	Ref. PDB, FBFS			1
25	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
26	bottom hinge pin diam.7	FBLB0060-1 ...			1
27	reb.corner hinge H timber	Ref. PDB, FBFE01			1
28	distance piece H timber	Ref. PDB, FBDS			1
29	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



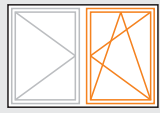
Dimensions in mm

All striker positions are frame rebate dimensions on assembled frames. Airgap 12⁺¹ mm.

RFB = FFB + 12 mm

RFH = FFH + 24 mm

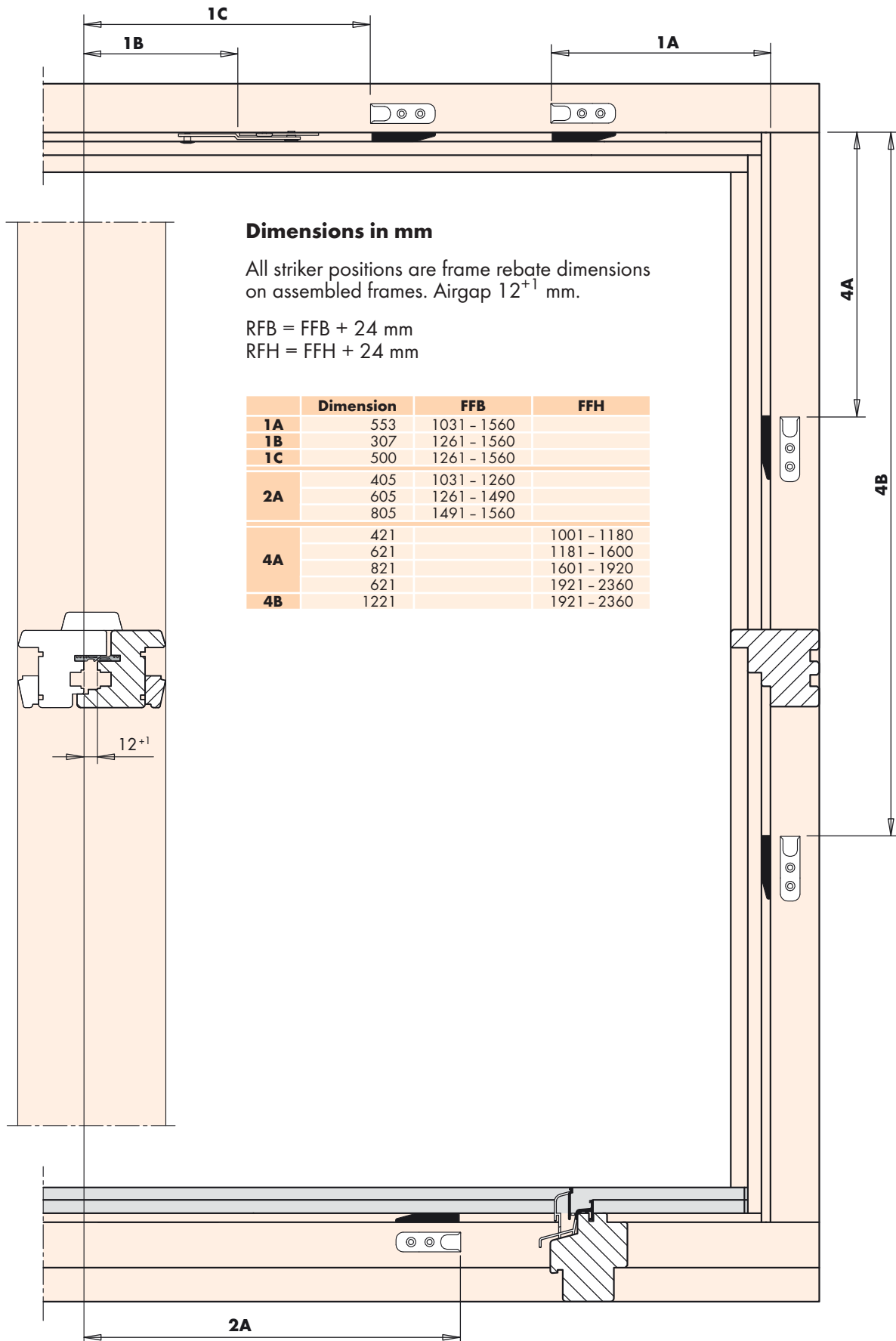
	Dimension	FFB	FFH
3A	586		1001 - 1200
	686		1201 - 1400
	786		1401 - 1800
	1286		1801 - 2360
3B	686		1801 - 2360
3C	30		1801 - 2360
3D	120		1801 - 2360



Frame dimensions main sash

2-sash square tilt-turn/turn shoot bolt
H12 GK Hinge side Si-line

FAVORIT



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Installation instructions



1-sash square tilt-turn

timber 12 mm

basic security

fixed handle position

Hinge side Si-line

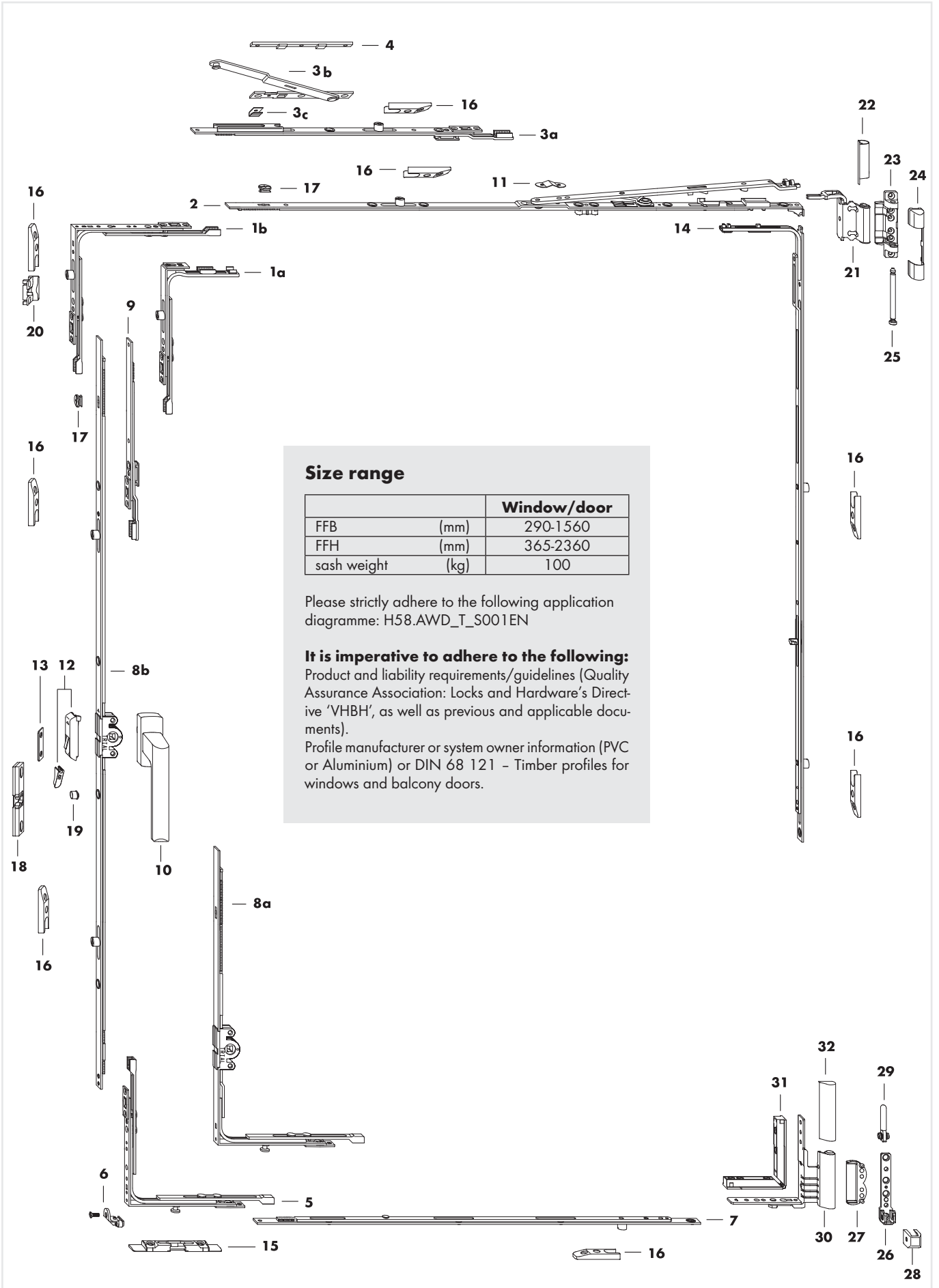
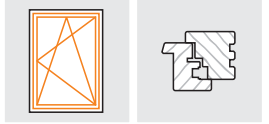
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).



Size range

		Window/door
FFB	(mm)	290-1560
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

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List of fittings

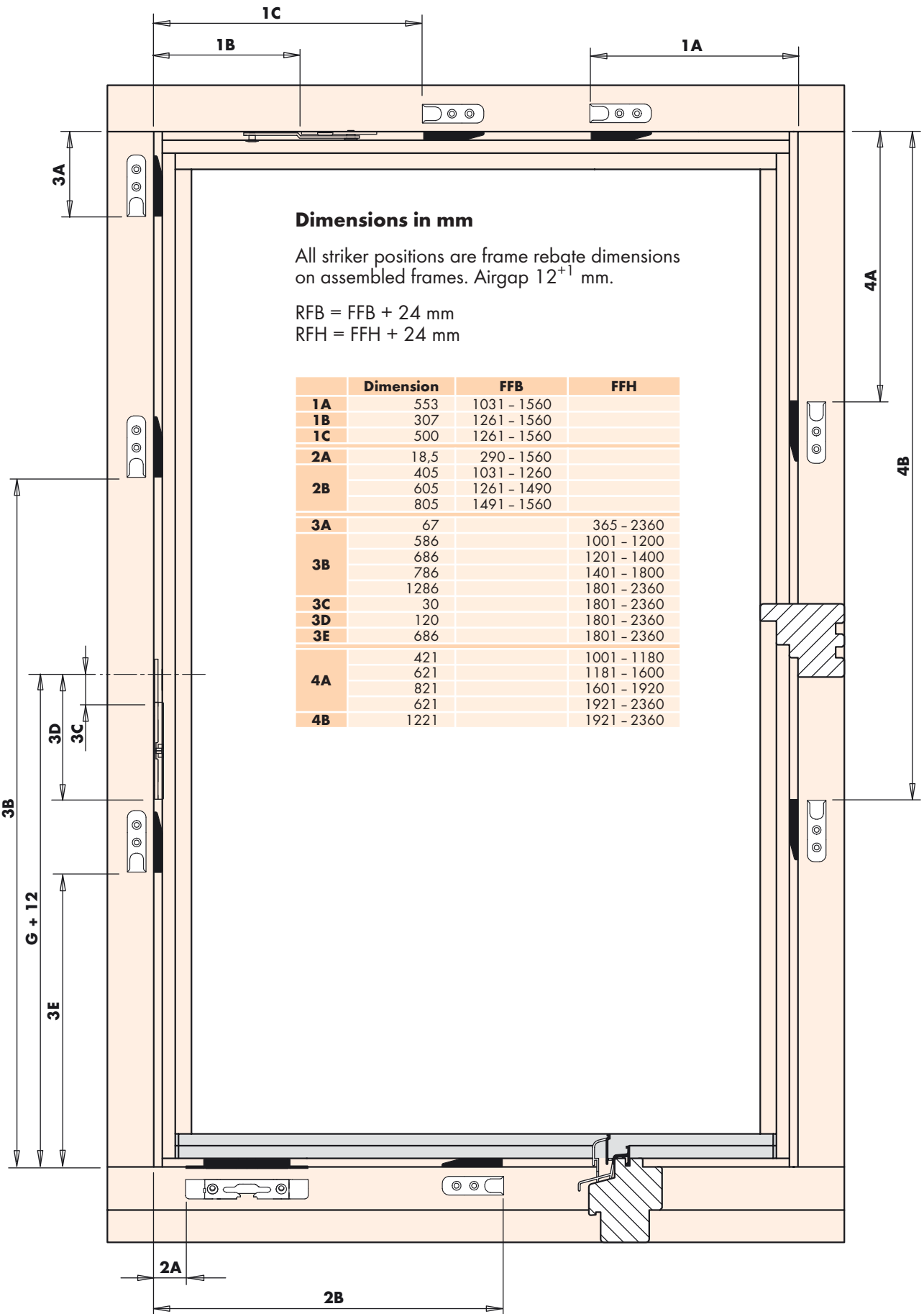
1-sash square tilt-turn
H12 GK Hinge side Si-line

FAVORIT

GS

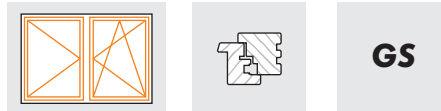
Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							15	16
1a	corn.drive narrow VSO	702925	1	290 - 410				1
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				1
2	stay 7 sz 30	707302	1	290 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	601 - 2360		1	
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560				
7	centre lock sz 50	700969	1	1031 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 600	190	1	
8b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290		
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390		
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		1
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		1
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		1
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		1
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		2
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090		2
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
10	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
11	felt restrictor	805701	1		365 - 750			
12	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360			
13	stop	Ref. PDB, FRZF01	1		1801 - 2360			
14	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		1001 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
15	felt lock bear. S-ES FH	Ref. PDB, FRKA						
16	striker plate 56	Ref. PDB, FRSB						
on request								
17	location piece	702543	2					
18	snapper	Ref. PDB, FRZB	1		1801 - 2360			
19	sleeve	Ref. PDB, FFHU	1		1801 - 2360			
20	frame part SP-S	Ref. PDB, FRZL01	1					

Hinge side turning points					
Pos.	Description	Part number	Part number		required as per sash weight 100 kg
			surface TS	RAL9003	
21	stay hinge	Ref. PDB, FBWB			1
22	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
23	top hinge S	Ref. PDB, FBLS02			1
24	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
25	top hinge pin diam.6	FBSB0010-1 ...			1
26	bottom hinge	Ref. PDB, FBEL01			1
27	filling piece H timber	Ref. PDB, FBFS			1
28	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
29	bottom hinge pin diam.7	FBLB0060-1 ...			1
30	reb.corner hinge H timber	Ref. PDB, FBFE01			1
31	distance piece H timber	Ref. PDB, FBDS			1
32	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



FAVORIT

Installation instructions



2-sash square tilt-turn/turn DSG gear

timber 12 mm

basic security

fixed handle position

Hinge side Si-line

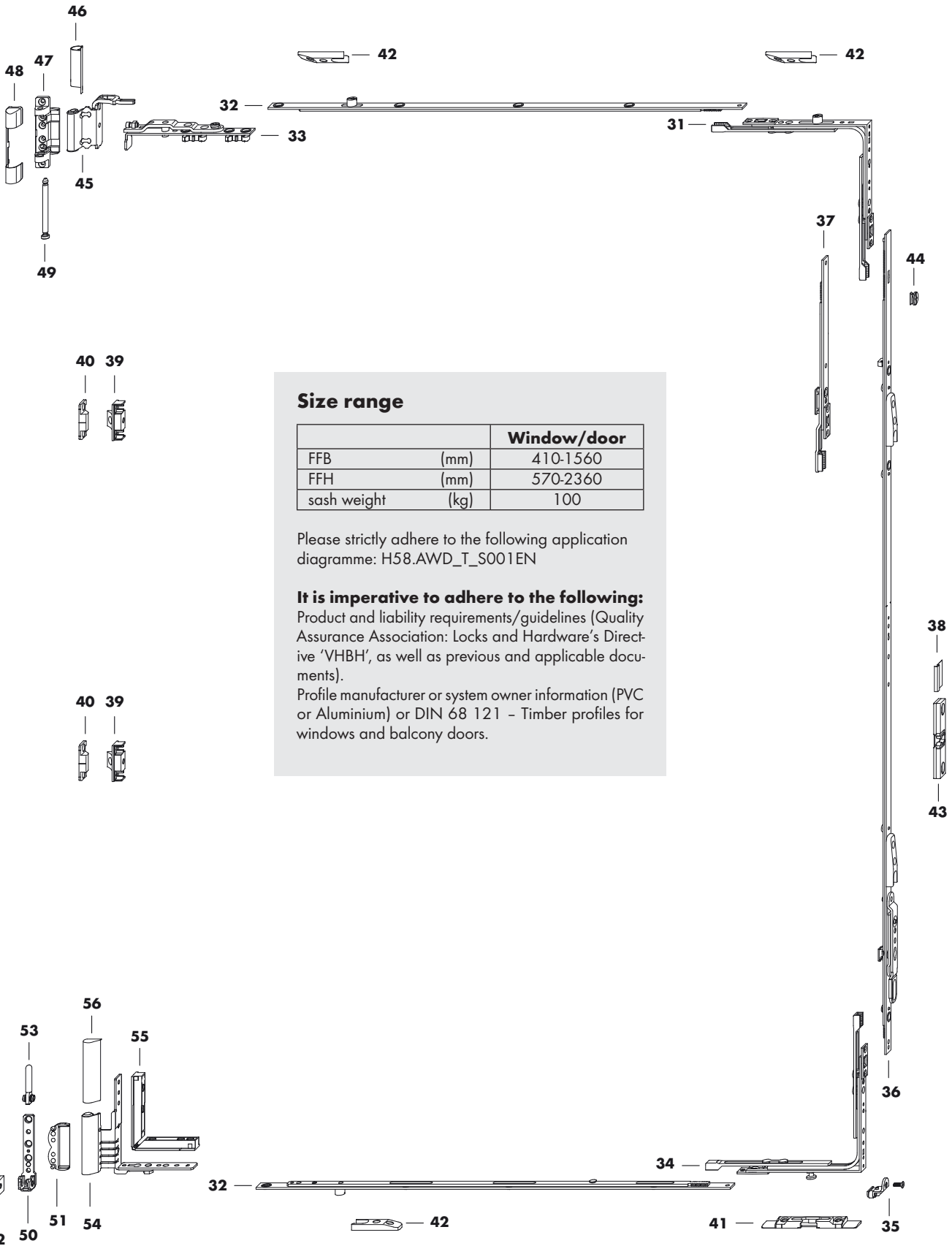
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).



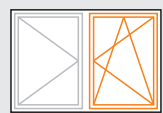
Size range

		Window/door
FFB	(mm)	410-1560
FFH	(mm)	570-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.

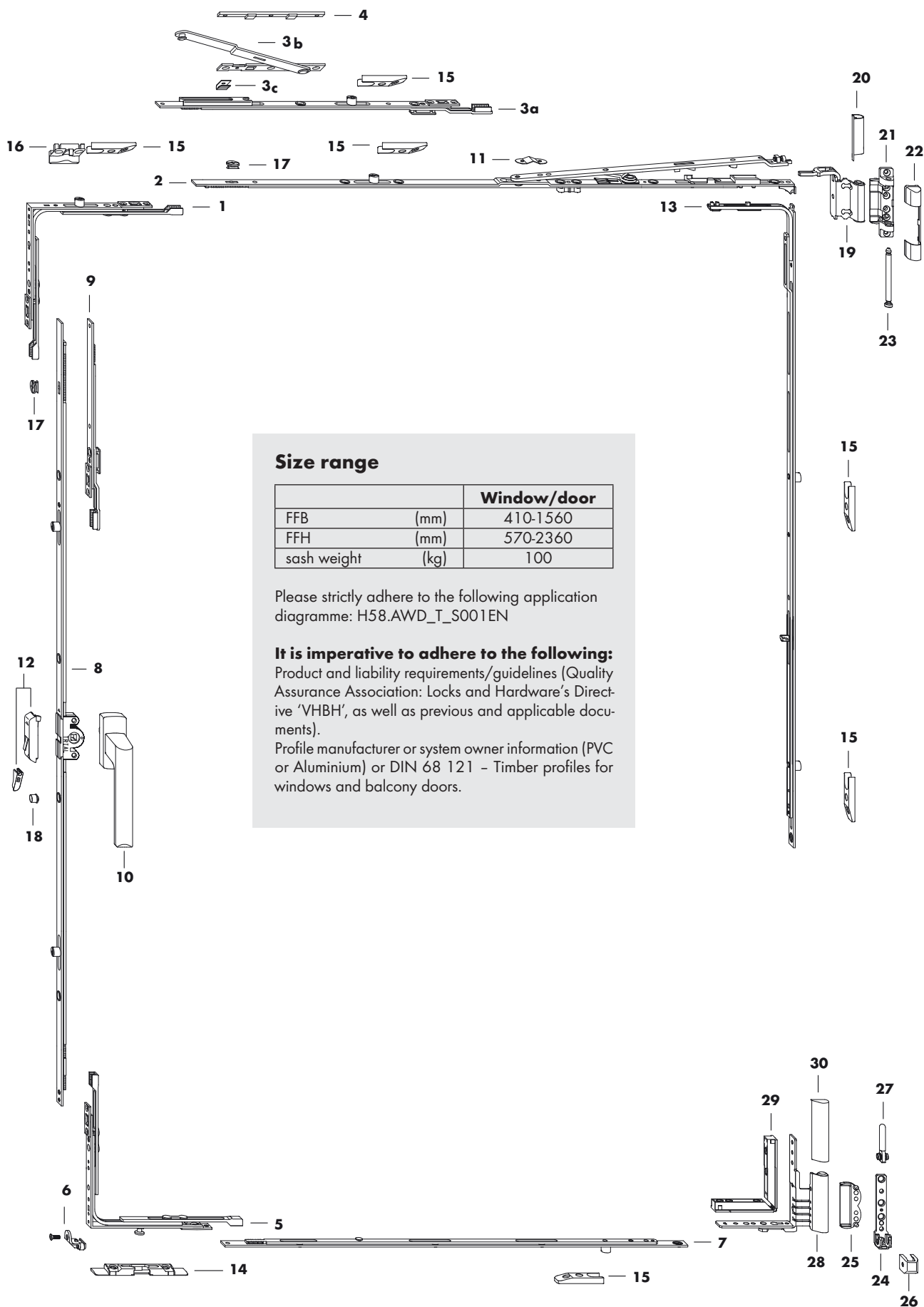


hardware layout main sash

2-sash square tilt-turn/turn DSG gear
H12 GK Hinge side Si-line

FAVORIT

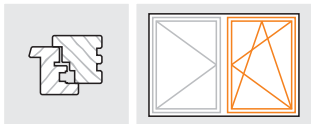
GS





Pos.	Description	Part number	QTY	FFB	FFH	Dimension G In the main sash	Number of frame parts / Pos.	
							41	42
31	corn.drive VSO ..	FEUL0230- ...	1	410 - 1560				1
32	centre lock sz 50	700969	2	1031 - 1260				2
	centre lock sz 70	700976		1261 - 1490				2
	centre lock sz 90	700983		1491 - 1560				2
33	stay 7 DF	707340	1	410 - 1560				
34	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560			1	
35	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560				
36	sec.sash gear 16 FAV sz 60	FGKS1010- ...	1		570 - 800	290		
	sec.sash gear 16 FAV sz .80 1SB	FGKS1020- ...			801 - 1000	390		
	sec.sash gear 16 FAV sz 100 1SB	FGKS1030- ...			1001 - 1200	490		
	sec.sash gear 16 FAV sz 120 1SB	FGKS1040- ...			1201 - 1400	590		
	sec.sash gear 16 FAV sz 140 1SB	FGKS1050- ...			1401 - 1600	690		
	sec.sash gear 16 FAV sz 160 1SB	FGKS1060- ...			1601 - 1800	690		
	sec.sash gear 16 FAV sz 180 2SB	FGKS1070- ...			1801 - 2000	1090		
sec.sash gear 16 FAV sz 200 2SB	FGKS1080- ...		2001 - 2360	1090				
37	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
38	stop	Ref. PDB, FRZF04	1		1801 - 2360			
39	sash part MV	Ref. PDB, ZFMV01	1		1001 - 1600			
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360			
40	frame part MV	Ref. PDB, ZRZM01	1		1001 - 1600			
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360			
41	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
42	striker plate 56	Ref. PDB, FRSB						
on request								
43	snapper	Ref. PDB, FRZB02	1		1801 - 2360			
44	location piece	702543	1					

Hinge side turning points					
Pos.	Description	Part number	required as per sash weight		
			surface TS	RAL9003	RAL8019
45	stay hinge	Ref. PDB, FBWB			100 kg
46	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
47	top hinge S	Ref. PDB, FBSL02			1
48	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
49	top hinge pin diam.6	FBSB0010-1 ...			1
50	bottom hinge	Ref. PDB, FBEL01			1
51	filling piece H timber	Ref. PDB, FBFS			1
52	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
53	bottom hinge pin diam.7	FBLB0060-1 ...			1
54	reb.corner hinge H timber	Ref. PDB, FBFE01			1
55	distance piece H timber	Ref. PDB, FBDS			1
56	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



List of fittings main sash

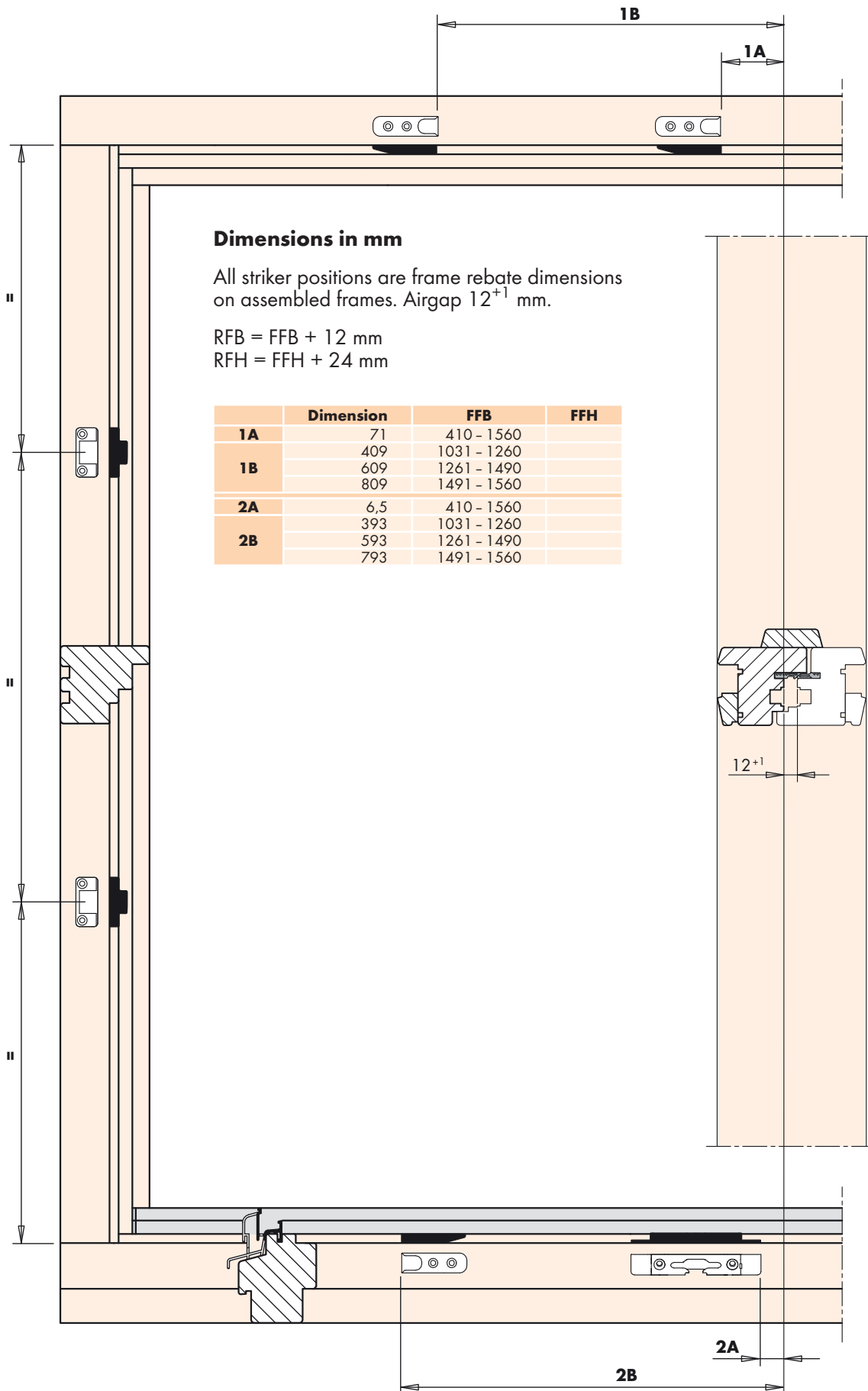
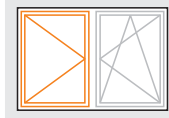
2-sash square tilt-turn/turn DSG gear
H12 GK Hinge side Si-line

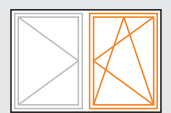
FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							14	15
1	corn.drive VSO ..	FEUL0230- ...	1	410 - 1560				1
2	stay 7 sz 30	707302	1	410 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560	601 - 2360		1	
6	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560				
7	centre lock sz 50	700969	1	1031 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8	gear 23 sz 60/G290 A0089	707159	1		570 - 800	290		
	gear 23 sz 80/G390 MV A0089	702314		801 - 1000	390			
	gear 23 sz 100/G490 MV A0089	702345		1001 - 1200	490			
	gear 23 sz 120/G590 MV A0089	702376		1201 - 1400	590			
	gear 23 sz 140/G690 MV A0089	702406		1401 - 1600	690			
	gear 23 sz 160/G690 MV A0089	702413		1601 - 1800	690			
	gear 23 sz 180/G1090 TL A0089	702437		1801 - 2000	1090			
gear 23 sz 200/G1090 TL A0089	702444	2001 - 2360	1090					
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
10	handle Si-line	Ref.access. ZHSS	1		570 - 2360			
11	tilt restrictor	805701	1		570 - 750			
12	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360			
13	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		1001 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1181 - 1600			1	
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1601 - 1920			1	
	corn.drive BS sz 130	703045		1921 - 2360			2	
14	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
15	striker plate 56	Ref. PDB, FRSB						
on request								
16	frame part SPS	Ref. PDB, FRZL01	1					
17	location piece	702543	2					
18	sleeve DSG	Ref. PDB, FFHU02	1		1801 - 2360			

Pos.	Description	Part number	Hinge side turning points			required as per sash weight 100 kg
			surface TS	RAL9003	RAL8019	
19	stay hinge	Ref. PDB, FBWB				1
20	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...		1
21	top hinge S	Ref. PDB, FBLS02				1
22	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...		1
23	top hinge pin diam.6	FBSB0010-1 ...				1
24	bottom hinge	Ref. PDB, FBEL01				1
25	filling piece H timber	Ref. PDB, FBFS				1
26	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...		1
27	bottom hinge pin diam.7	FBLB0060-1 ...				1
28	reb.corner hinge H timber	Ref. PDB, FBFE01				1
29	distance piece H timber	Ref. PDB, FBDS				1
30	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...		1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...		1



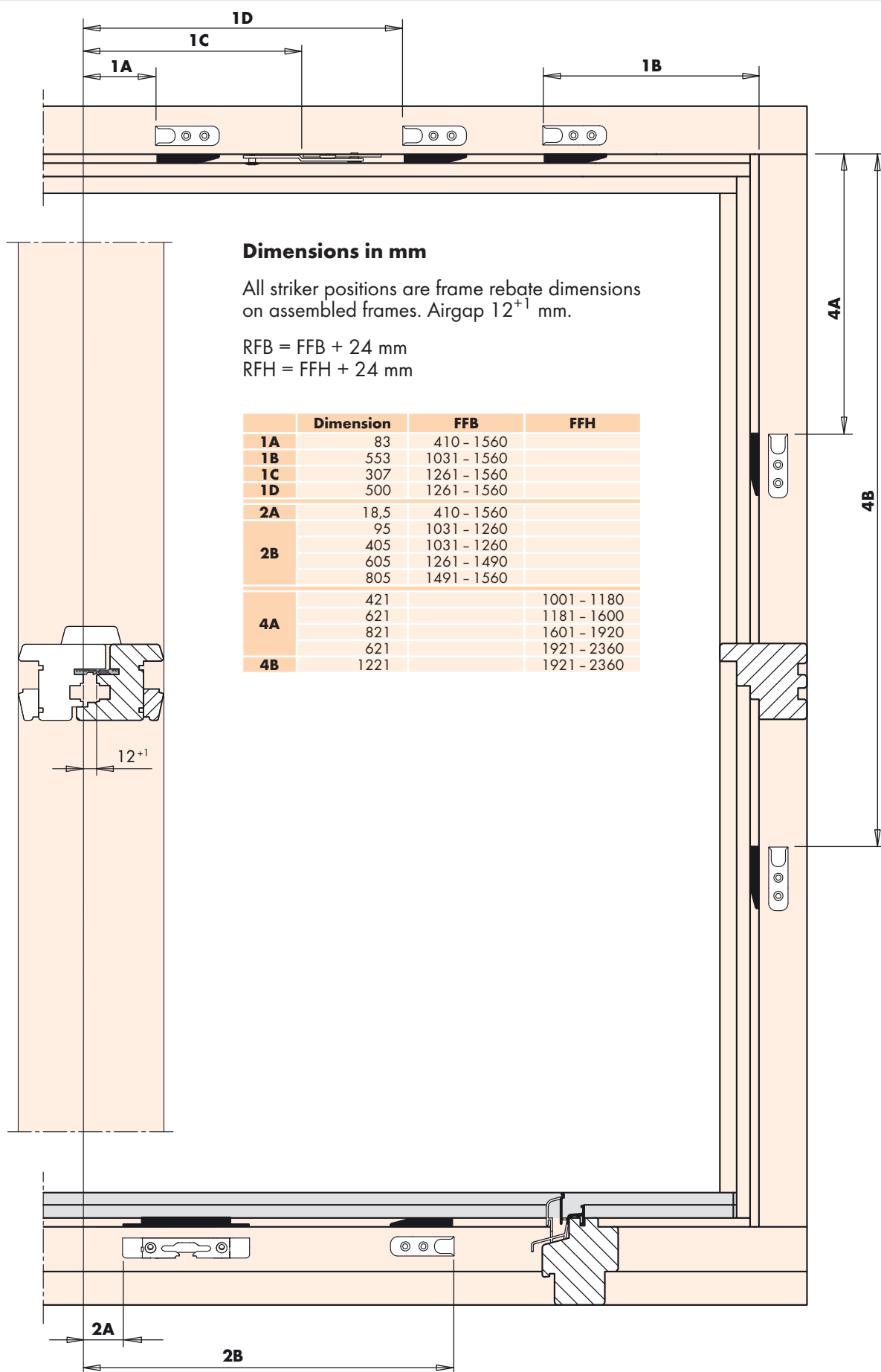


Frame dimensions main sash

2-sash square tilt-turn/turn DSG gear
H12 GK Hinge side Si-line

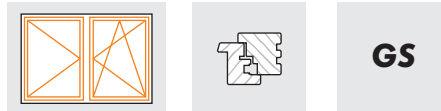
FAVORIT

GS



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Installation instructions



2-sash square tilt-turn/turn shoot bolt

timber 12 mm

basic security

fixed handle position

Hinge side Si-line

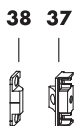
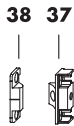
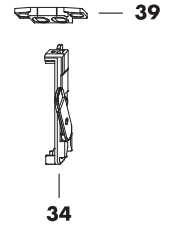
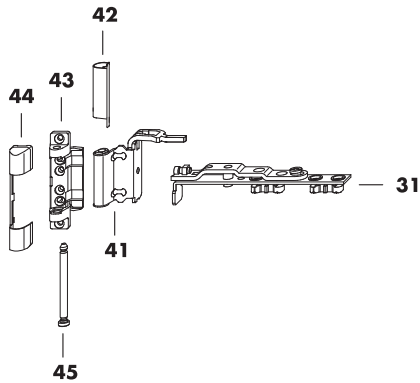
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

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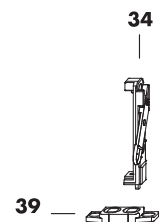
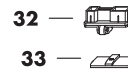
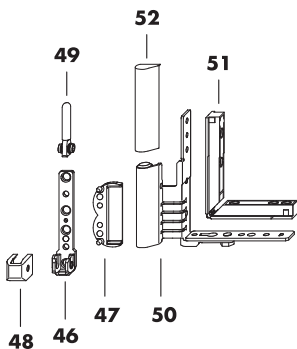
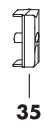
Size range

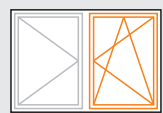
		Window/door
FFB	(mm)	230-1030
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

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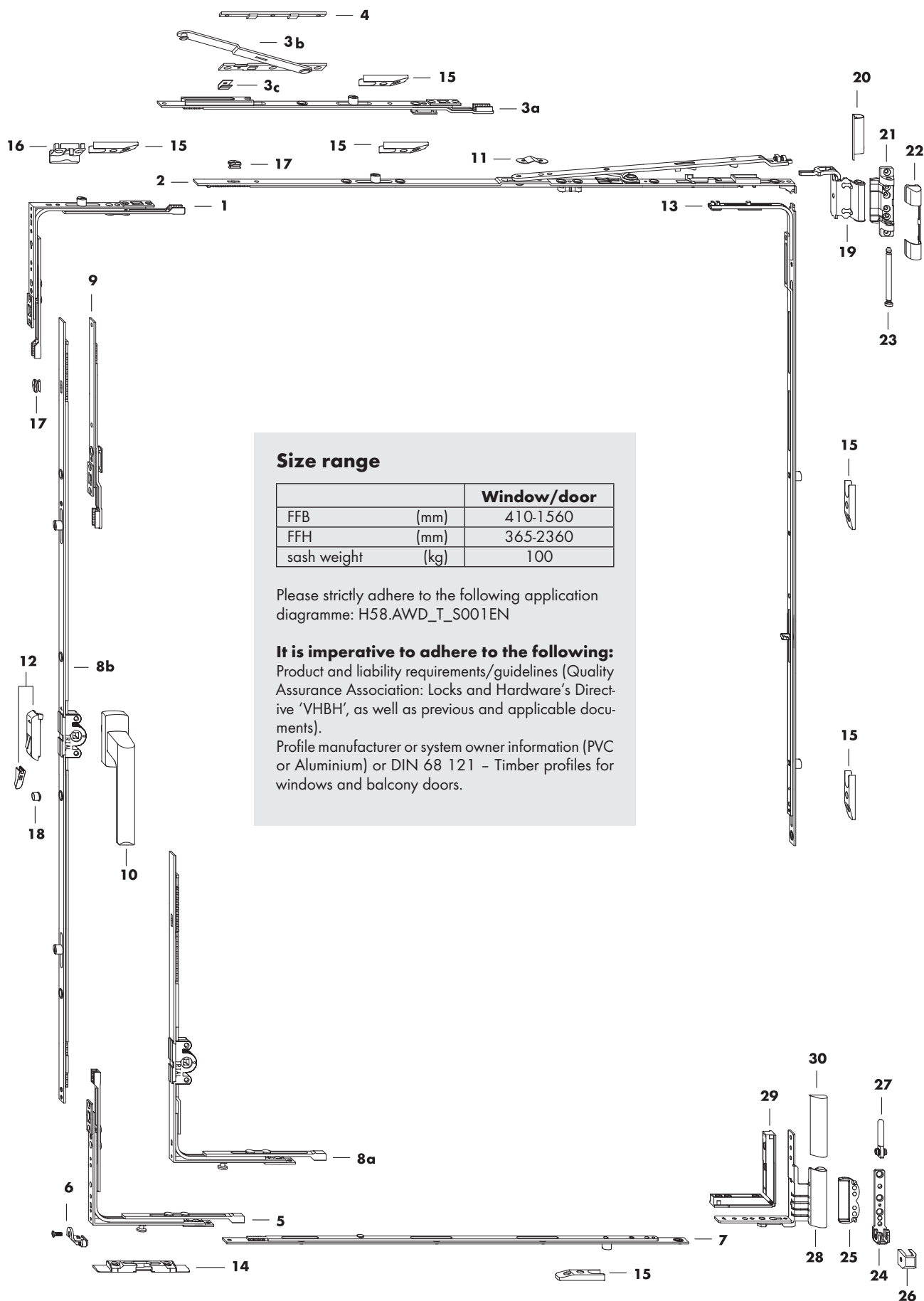


hardware layout main sash

2-sash square tilt-turn/turn shoot bolt
H12 GK Hinge side Si-line

FAVORIT

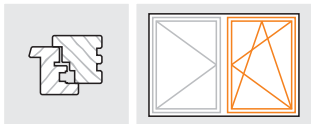
GS





Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.
						In the main sash	
31	stay 7 DF	707340	1	230 - 1030			
32	sash lift .. A2000	TFFH0010- ...	1	230 - 1030			
33	run-up FH/TiP	Ref. PDB, TRAL	1	230 - 1030			
34	short shoot bolt A2000	716236	2		365 - 2360		2
35	striker plate 56 A2000	TRSB0030- ...	1		1001 - 1200	490	
	striker plate 56 A2000	TRSB0030- ...		1201 - 1400	590		
	striker plate 56 A2000	TRSB0030- ...		1401 - 1800	690		
	striker plate 56 A2000	TRSB0030- ...		1801 - 2360	1090		
36	stop	Ref. PDB, FRZF04	1		1801 - 2360		
37	sash part MV	Ref. PDB, ZFMV01	1		1001 - 1600		
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360		
38	frame part MV	Ref. PDB, ZRZM01	1		1001 - 1600		
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360		
39	striker V	Ref. PDB, FRZV01					
on request							
40	snapper A2000	709313	1		1801 - 2360		

Hinge side turning points						
Pos.	Description	Ref. PDB, FBWB	Part number			required as per sash weight 100 kg
			surface TS	RAL9003	RAL8019	
41	stay hinge	Ref. PDB, FBWB				1
42	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...		1
43	top hinge S	Ref. PDB, FBSL02				1
44	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...		1
45	top hinge pin diam.6	FBSB0010-1 ...				1
46	bottom hinge	Ref. PDB, FBEL01				1
47	filling piece H timber	Ref. PDB, FBFS				1
48	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...		1
49	bottom hinge pin diam.7	FBLB0060-1 ...				1
50	reb.corner hinge H timber	Ref. PDB, FBFE01				1
51	distance piece H timber	Ref. PDB, FBDS				1
52	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...		1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...		1



List of fittings main sash

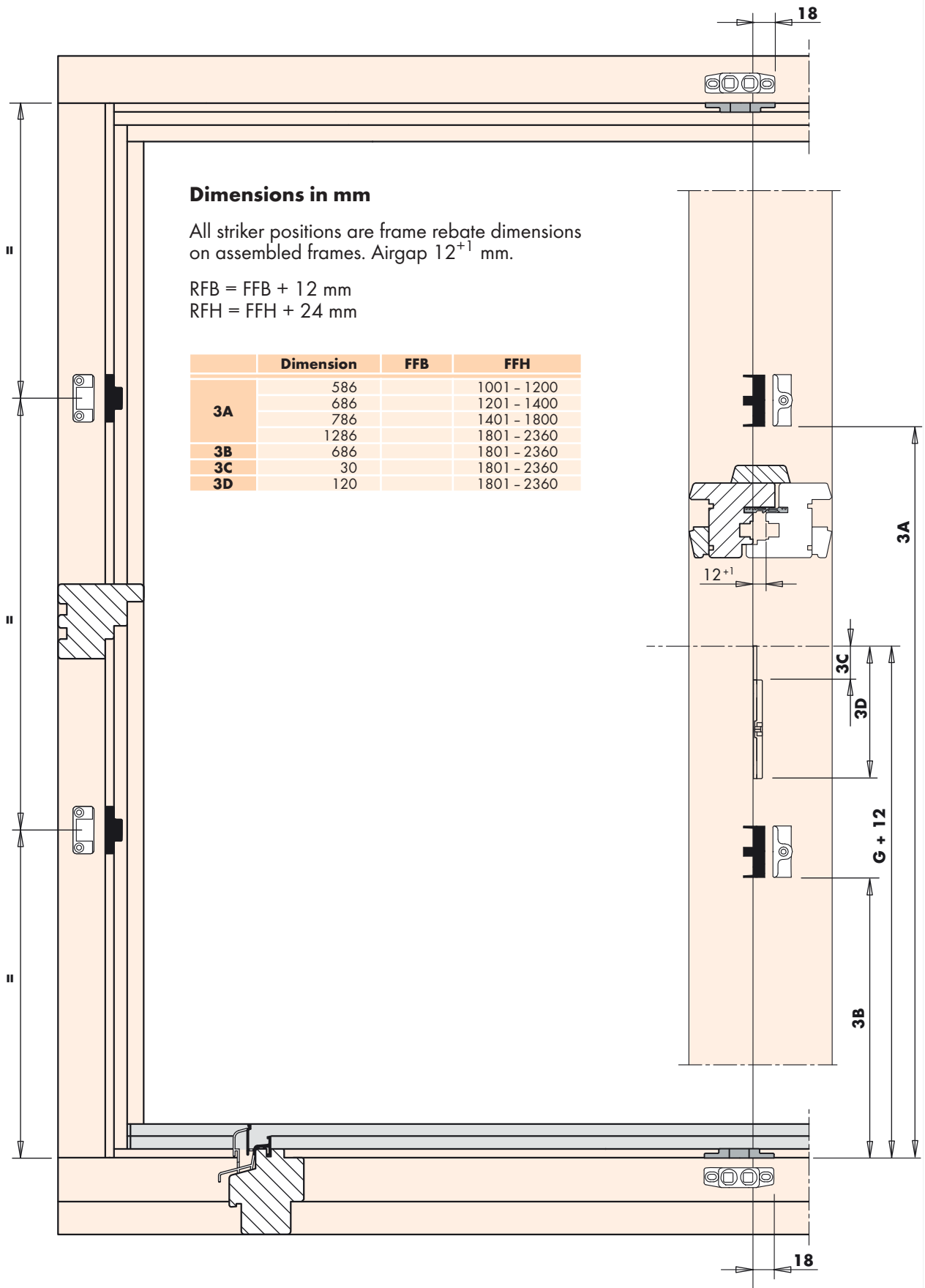
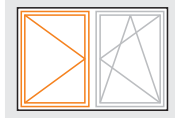
2-sash square tilt-turn/turn shoot bolt
H12 GK Hinge side Si-line

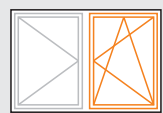
FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							14	15
1	corn.drive VSO ..	FEUL0230- ...	1	410 - 1560				1
2	stay 7 sz 30	707302	1	410 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560	601 - 2360		1	
6	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560				
7	centre lock sz 50	700969	1	1031 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 600	190	1	
8b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290		
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390		
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090		
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
10	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
11	tilt restrictor	805701	1		365 - 750			
12	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360			
13	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		1001 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
14	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
15	striker plate 56	Ref. PDB, FRSB						
on request								
16	frame part SP-S	Ref. PDB, FRZL01	1					
17	location piece	702543	2					
18	sleeve KRL	Ref. PDB, FFHU01	1		1801 - 2360			

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
19	stay hinge	Ref. PDB, FBWB			1
20	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
21	top hinge S	Ref. PDB, FBLSL02			1
22	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
23	top hinge pin diam.6	FBSB0010-1 ...			1
24	bottom hinge	Ref. PDB, FBEL01			1
25	filling piece H timber	Ref. PDB, FBFS			1
26	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
27	bottom hinge pin diam.7	FBLB0060-1 ...			1
28	reb.corner hinge H timber	Ref. PDB, FBFE01			1
29	distance piece H timber	Ref. PDB, FBDS			1
30	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



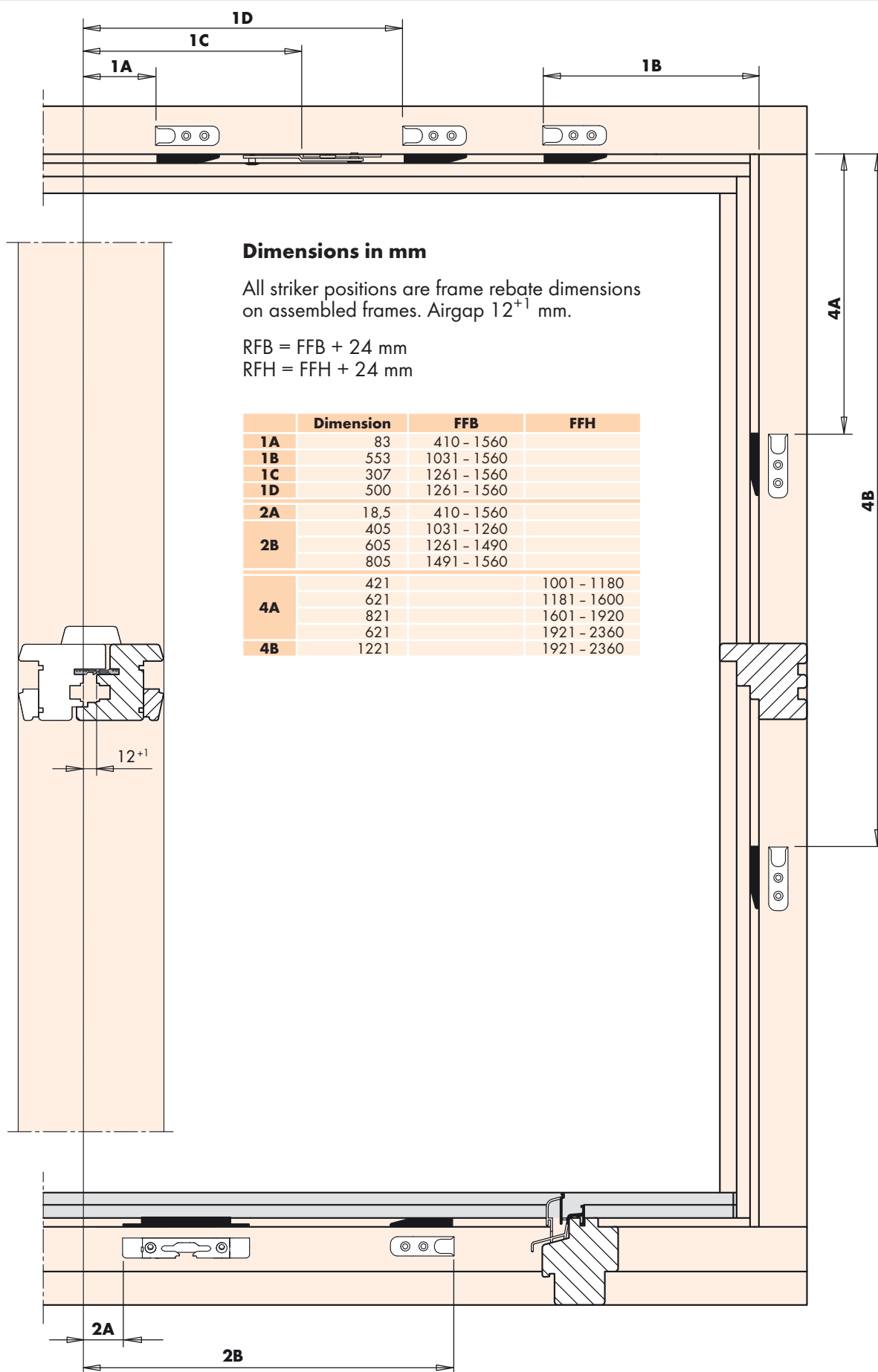


Frame dimensions main sash

2-sash square tilt-turn/turn shoot bolt
H12 GK Hinge side Si-line

FAVORIT

GS



FAVORIT

Installation instructions



1-sash square tilt before turn (TBT)

timber 12 mm

basic security

fixed handle position

Hinge side Si-line

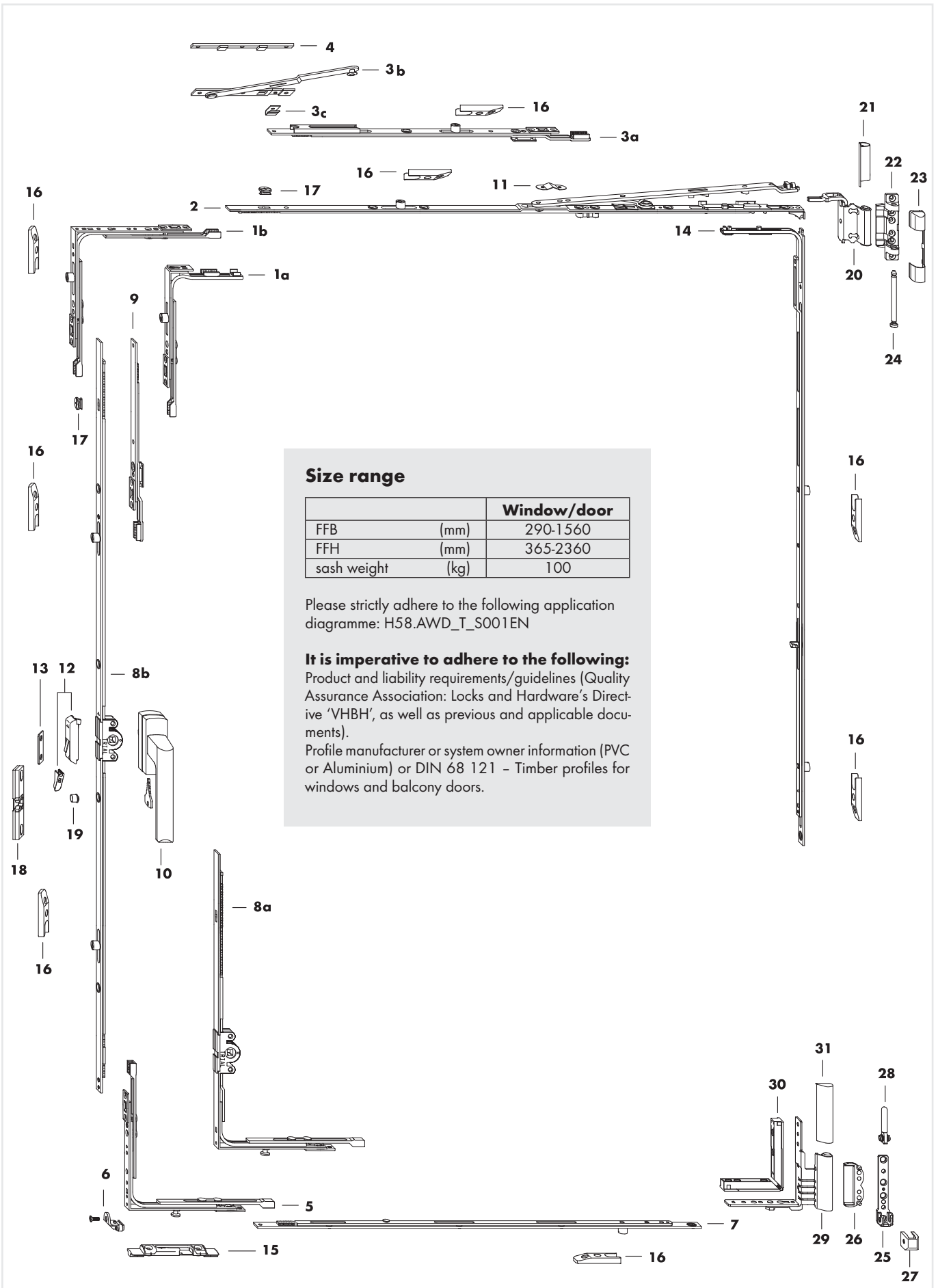
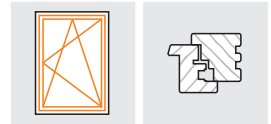
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).





List of fittings

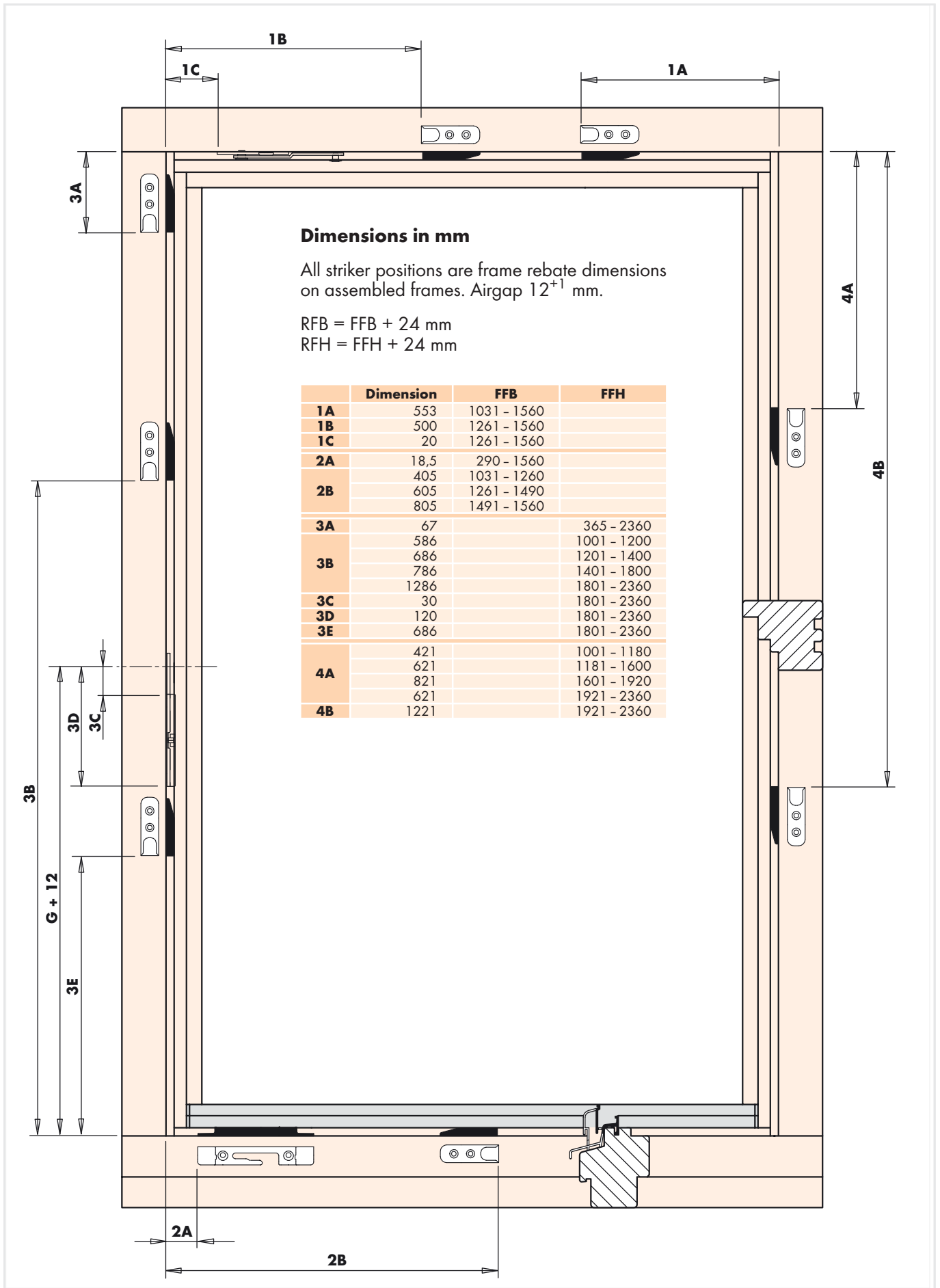
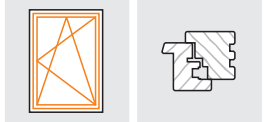
1-sash square tilt before turn (TBT)
H12 GK Hinge side Si-line

FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							15	16
1a	corn.drive narrow VSO	702925	1	290 - 410				1
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				1
2	stay 7 TBT sz 30	707357	1	290 - 620				
	stay 7 TBT sz 35 MV	707364		621 - 800				
	stay 7 TBT sz 50 MV	707371		801 - 1030				
	stay 7 TBT sz 55 MV	707388		1031 - 1260				1
	stay 7 TBT sz 50 MV	707371		1261 - 1490				1
	stay 7 TBT sz 55 MV	707388		1491 - 1560				1
3	crt.additional stay TBT	Ref. PDB, FMZS02	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	601 - 2360		1	
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560				
7	centre lock sz 50	700969	1	1031 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 600	190	1	
8b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290		
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390		
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		1
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		1
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		1
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		1
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		2
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090		2
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
10	handle Si-line TBT lockable	Ref.access. ZHST	1		365 - 2360			
11	felt restrictor	805701	1		365 - 750			
12	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360			
13	stop	Ref. PDB, FRZF01	1		1801 - 2360			
14	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		1001 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
15	felt lock bear. S-ES FH TBT	Ref. PDB, FRKB						
16	striker plate 56	Ref. PDB, FRSB						
on request								
17	location piece	702543	2					
18	snapper	Ref. PDB, FRZB	1		1801 - 2360			
19	sleeve	Ref. PDB, FFHU	1		1801 - 2360			

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
20	stay hinge	Ref. PDB, FBWB			1
21	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
22	top hinge S	Ref. PDB, FBSLO2			1
23	cover cap S		FKSLO010-002 ...	FKSLO010-011 ...	1
24	top hinge pin diam.6	FBSB0010-1 ...			1
25	bottom hinge	Ref. PDB, FBEL01			1
26	filling piece H timber	Ref. PDB, FBFS			1
27	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
28	bottom hinge pin diam.7	FBLB0060-1 ...			1
29	reb.corner hinge H timber	Ref. PDB, FBFE01			1
30	distance piece H timber	Ref. PDB, FBDS			1
31	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



FAVORIT

Installation instructions

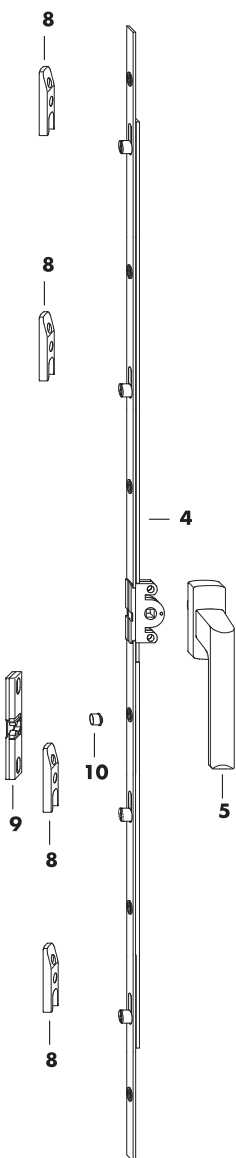
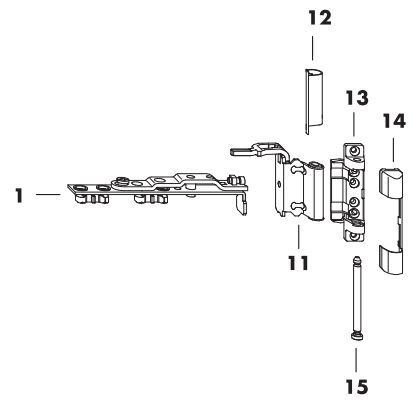
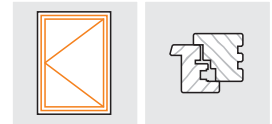


*1-sash square turn
timber 12 mm
basic security
fixed handle position
Hinge side Si-line
surface TS
backset 16 mm*

Hardware set configuration

<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>
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This document was compiled using the SIEGENIA hardware software (BEO).



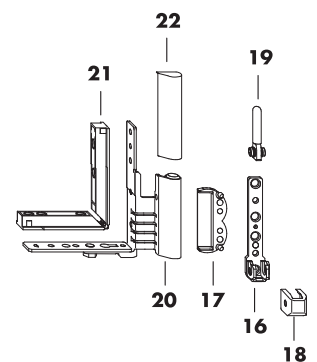
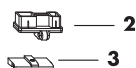
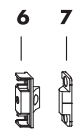
Size range

		Window/door
FFB	(mm)	290-1030
FFH	(mm)	200-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

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List of fittings

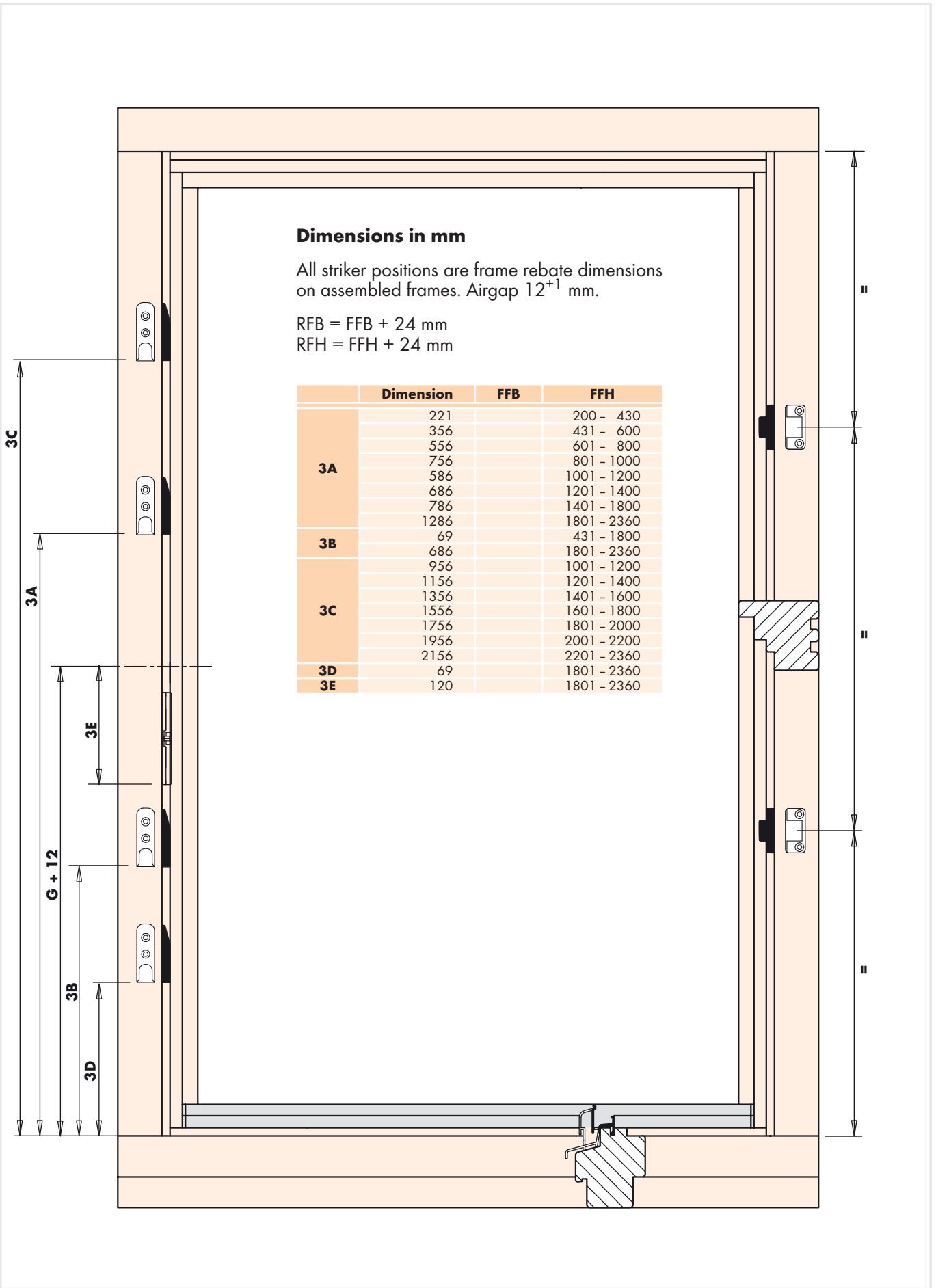
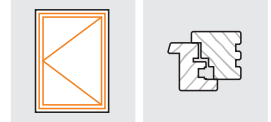
1-sash square turn
H12 GK Hinge side Si-line

FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.
1	stay 7 DF	707340	1	290 - 1030			8
2	sash lift .. A2000	TFFH0010- ...	1	290 - 1030			
3	run-up FH/TiP	Ref. PDB, TRAL	1	290 - 1030			
4	gear DF 23 sz 40	713440	1		200 - 430	125	1
	gear DF 23 sz 50/G190	701522		431 - 600	190	2	
	gear DF 23 sz 60/G290	701539		601 - 800	290	2	
	gear DF 23 sz 80/G390	701553		801 - 1000	390	2	
	gear DF 23 sz 100/G490 MV	701584		1001 - 1200	490	3	
	gear DF 23 sz 120/G590 MV	701614		1201 - 1400	590	3	
	gear DF 23 sz 140/G690 MV	701645		1401 - 1600	690	3	
	gear DF 23 sz 160/G690 MV	713457		1601 - 1800	690	3	
	gear DF 23 sz 180/G1090 TL	701669		1801 - 2000	1090	4	
	gear DF 23 sz 200/G1090 TL	701676		2001 - 2200	1090	4	
gear DF 23 sz 220/G1090 TL	713464	2201 - 2360	1090	4			
5	handle Si-line	Ref.access. ZHSS	1		200 - 2360		
6	sash part MV	Ref. PDB, ZFMV01	1		1001 - 1600		
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360		
7	frame part MV	Ref. PDB, ZRZM01	1		1001 - 1600		
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360		
8	striker plate 56	Ref. PDB, FRSB					
on request							
9	snapper	Ref. PDB, FRZB	1		1801 - 2360		
10	sleeve	Ref. PDB, FFHU	1		1801 - 2360		

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
11	stay hinge	Ref. PDB, FBWB			1
12	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
13	top hinge S	Ref. PDB, FBSL02			1
14	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
15	top hinge pin diam.6	FBSB0010-1 ...			1
16	bottom hinge	Ref. PDB, FBEL01			1
17	filling piece H timber	Ref. PDB, FBFS			1
18	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
19	bottom hinge pin diam.7	FBLB0060-1 ...			1
20	reb.corner hinge H timber	Ref. PDB, FBFE01			1
21	distance piece H timber	Ref. PDB, FBDS			1
22	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



FAVORIT

Installation instructions



1-sash square turn

timber 12 mm

basic security

fixed handle position

Hinge side Si-line

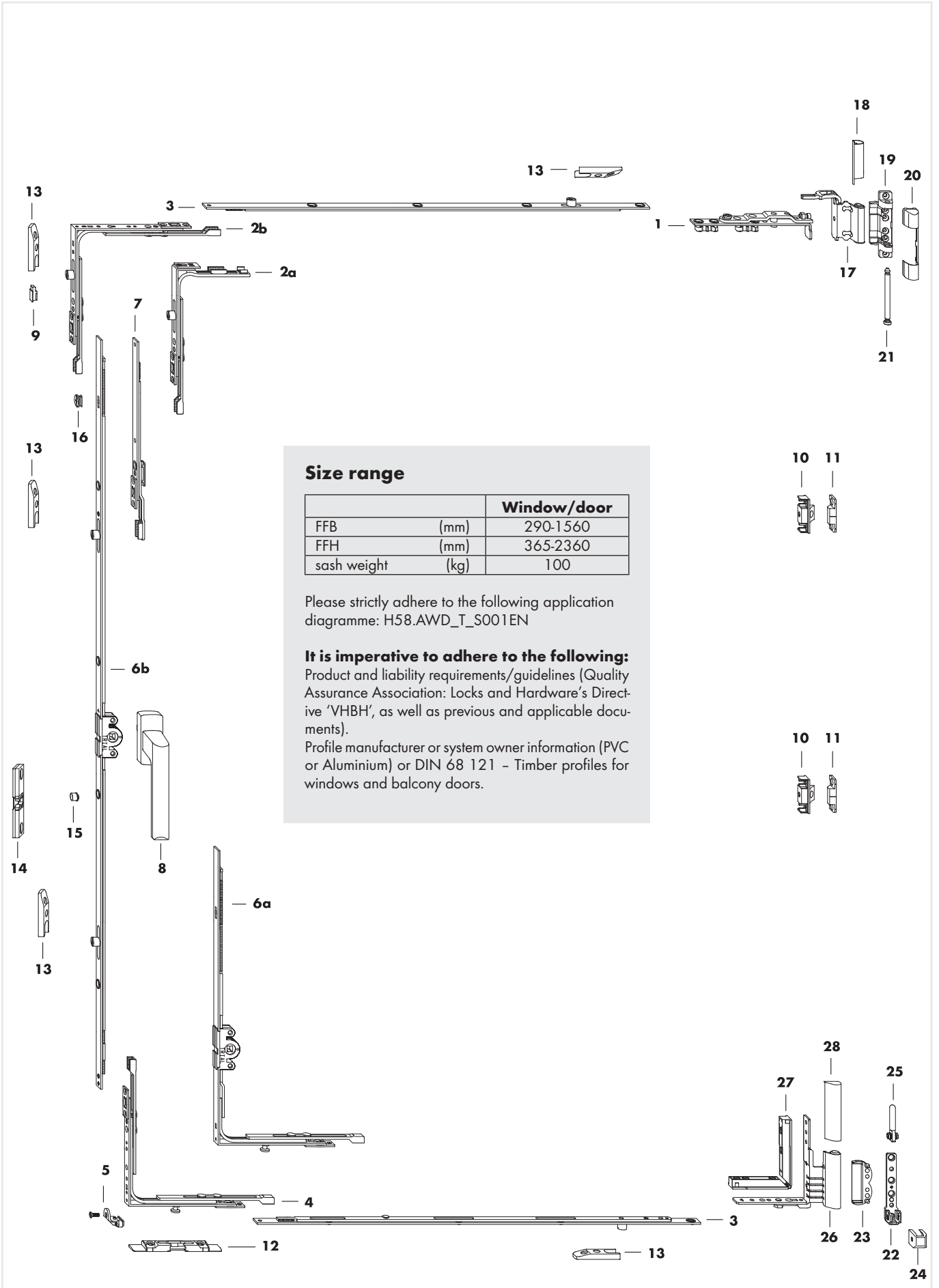
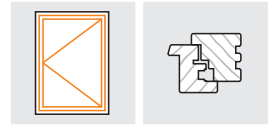
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).



Size range

		Window/door
FFB	(mm)	290-1560
FFH	(mm)	365-2360
sash weight	(kg)	100

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List of fittings

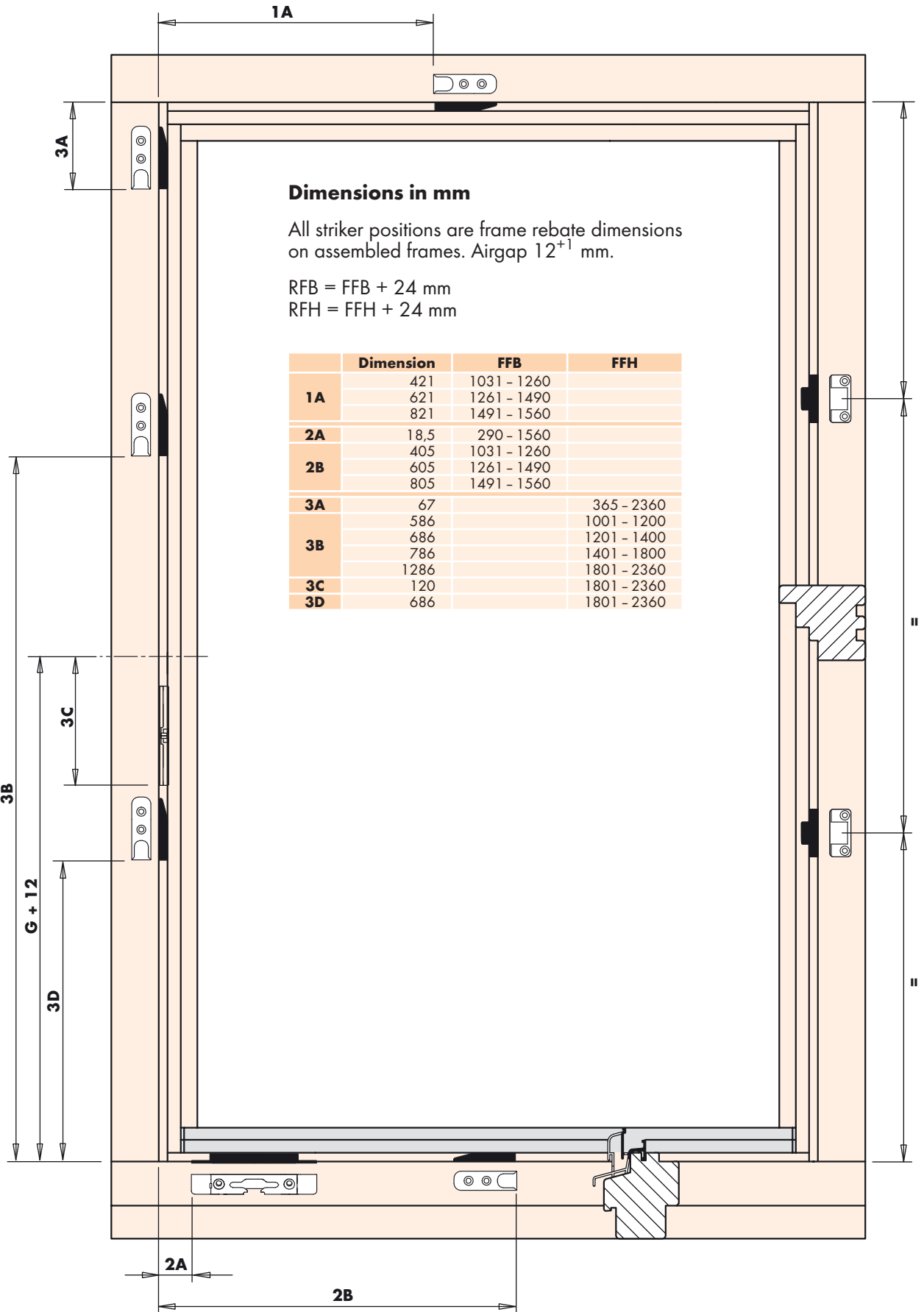
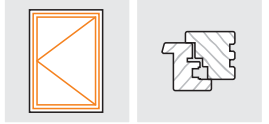
1-sash square turn
H12 GK Hinge side Si-line

FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							12	13
1	stay 7 DF	707340	1	290 - 1560				
2	corn.drive narrow VSO	702925	1	290 - 410				1
	corn.drive VSO ..	FEUL0230- ...		411 - 1560				1
3	centre lock sz 50	700969	2	1031 - 1260				2
	centre lock sz 70	700976		1261 - 1490				2
	centre lock sz 90	700983		1491 - 1560				2
4	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	601 - 2360		1	
5	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560				
6a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 600	190	1	
6b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290		
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390		
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		1
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		1
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		1
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		1
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		2
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090		2
7	linkage sz 230	FZSZ0030- ...	1		2201 - 2360			
8	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
9	travel restriction S-ES	891124	1		365 - 2360			
10	sash part MV	Ref. PDB, ZFMV01	1		1001 - 1600			
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360			
11	frame part MV	Ref. PDB, ZRZM01	1		1001 - 1600			
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360			
12	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
13	striker plate 56	Ref. PDB, FRSB						
on request								
14	snapper	Ref. PDB, FRZB	1		1801 - 2360			
15	sleeve	Ref. PDB, FFHU	1		1801 - 2360			
16	location piece	702543	1					

Pos.	Description	Hinge side turning points			required as per sash weight 100 kg
		Part number			
		surface TS	RAL9003	RAL8019	
17	stay hinge	Ref. PDB, FBWB			1
18	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
19	top hinge S	Ref. PDB, FBLS02			1
20	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
21	top hinge pin diam.6	FBSB0010-1 ...			1
22	bottom hinge	Ref. PDB, FBEL01			1
23	filling piece H timber	Ref. PDB, FBFS			1
24	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
25	bottom hinge pin diam.7	FBLB0060-1 ...			1
26	reb.corner hinge H timber	Ref. PDB, FBFE01			1
27	distance piece H timber	Ref. PDB, FBDS			1
28	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



Dimensions in mm

All striker positions are frame rebate dimensions on assembled frames. Airgap 12⁺¹ mm.

RFB = FFB + 24 mm

RFH = FFH + 24 mm

	Dimension	FFB	FFH
1A	421	1031 - 1260	
	621	1261 - 1490	
	821	1491 - 1560	
2A	18,5	290 - 1560	
	405	1031 - 1260	
2B	605	1261 - 1490	
	805	1491 - 1560	
3A	67		365 - 2360
	586		1001 - 1200
3B	686		1201 - 1400
	786		1401 - 1800
	1286		1801 - 2360
3C	120		1801 - 2360
	686		1801 - 2360

FAVORIT

Installation instructions



1-sash square tilt-turn

timber 12 mm

3-point security

fixed handle position

Hinge side Si-line

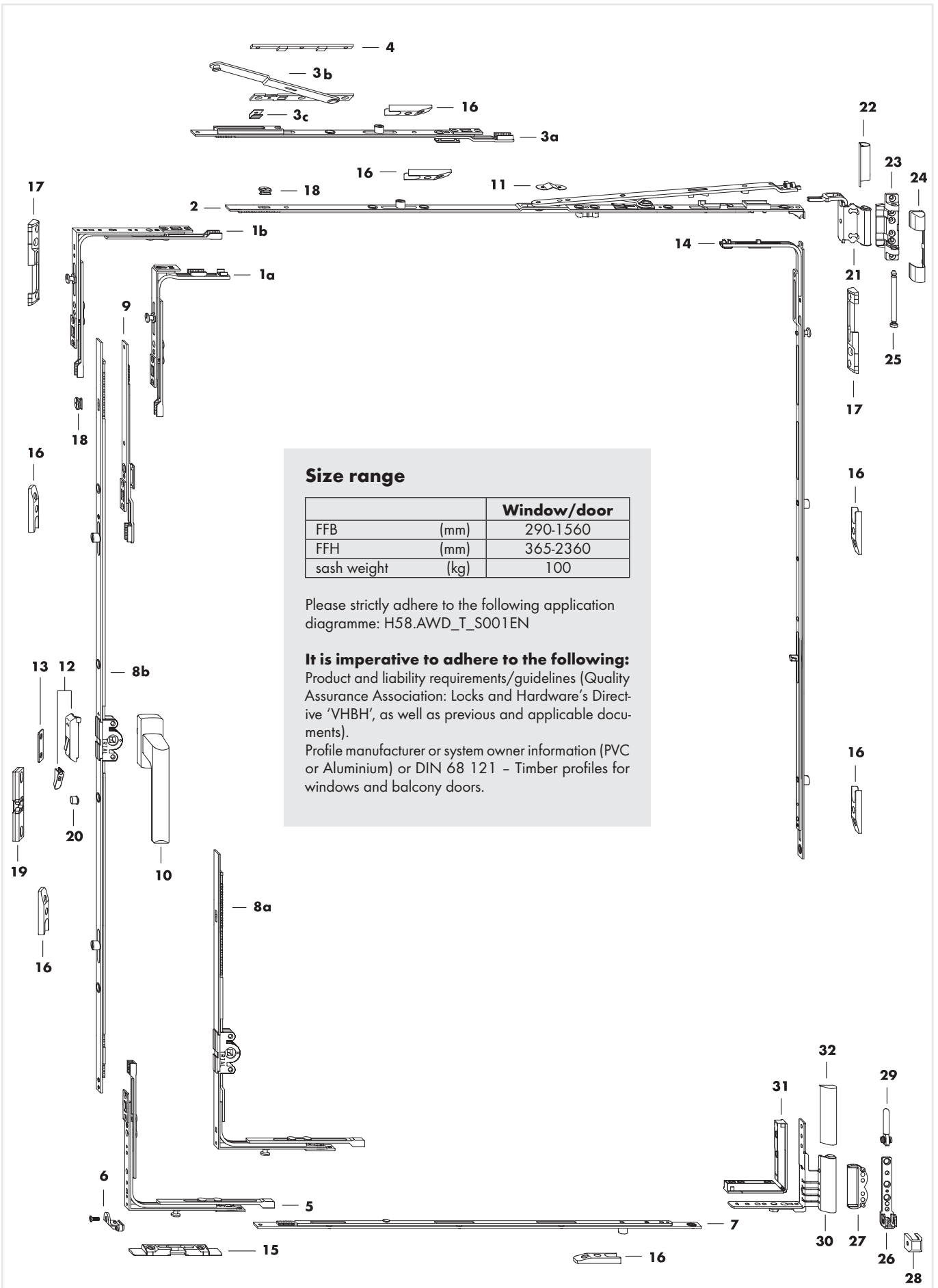
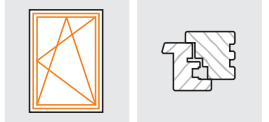
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

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List of fittings

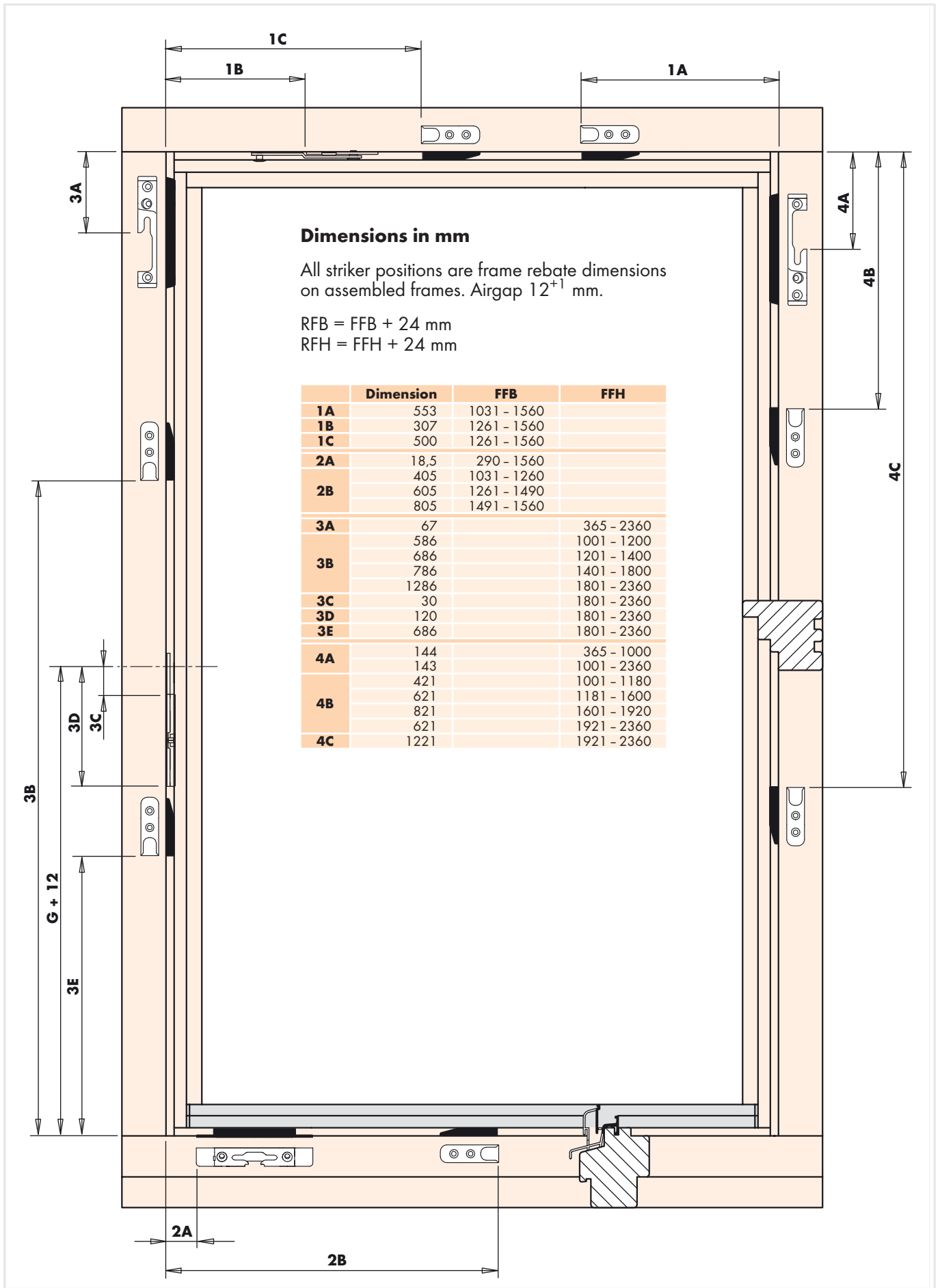
1-sash square tilt-turn
H12 GK Hinge side Si-line

FAVORIT

3P

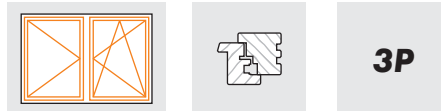
Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.		
							15	16	17
1a	corn.drive narrow VS S-ES	703038	1	290 - 410					1
1b	corn.drive VS S-ES	FEUL0090- ...	1	411 - 1560					1
2	stay 7 sz 30	707302	1	290 - 620					
	stay 7 sz 35 MV	707319		621 - 800					
	stay 7 sz 50 MV	707326		801 - 1030					
	stay 7 sz 55 MV	707333		1031 - 1260				1	
	stay 7 sz 50 MV	707326		1261 - 1490				1	
	stay 7 sz 55 MV	707333		1491 - 1560				1	
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1	
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560					
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	601 - 2360		1		
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560					
7	centre lock sz 50	700969	1	1031 - 1260				1	
	centre lock sz 70	700976		1261 - 1490				1	
	centre lock sz 90	700983		1491 - 1560				1	
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1		
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 600	190	1		
8b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290			
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390			
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		1	
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		1	
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		1	
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		1	
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		2	
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090		2	
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360				
10	handle Si-line	Ref.access. ZHSS	1		365 - 2360				
11	tilt restrictor	805701	1		365 - 750				
12	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360				
13	stop	Ref. PDB, FRZF01	1		1801 - 2360				
14	corn.drive BS sz 20 1S	FEUL2100- ...	1		365 - 1000				1
	corn.drive BS sz 50 1S 1V	FEUL2110- ...			1001 - 1180			1	1
	corn.drive BS sz 70 1S 1V	FEUL2120- ...			1181 - 1600			1	1
	corn.drive BS sz 90 1S 1V	FEUL2130- ...			1601 - 1920			1	1
	corn.drive BS sz 130 1S 2V	FEUL2140- ...			1921 - 2360			2	1
15	tilt lock bear. S-ES FH	Ref. PDB, FRKA							
16	striker plate 56	Ref. PDB, FRSB							
17	striker plate S-ES	Ref. PDB, FRSC							
on request									
18	location piece	702543	2						
19	snapper	Ref. PDB, FRZB	1		1801 - 2360				
20	sleeve	Ref. PDB, FFHU	1		1801 - 2360				

Hinge side turning points						
Pos.	Description	Part number	required as per sash weight			
			surface TS	RAL9003	RAL8019	100 kg
21	stay hinge	Ref. PDB, FBWB				1
22	cover cap W timber			FKWB0020-002 ...	FKWB0020-011 ...	1
23	top hinge S	Ref. PDB, FBSLO2				1
24	cover cap S			FKSLO010-002 ...	FKSLO010-011 ...	1
25	top hinge pin diam.6	FBSB0010-1 ...				1
26	bottom hinge	Ref. PDB, FBEL01				1
27	filling piece H timber	Ref. PDB, FBFS				1
28	cover cap EL U			FKEU0010-002 ...	FKEU0010-011 ...	1
29	bottom hinge pin diam.7	FBLB0060-1 ...				1
30	reb.corner hinge H timber	Ref. PDB, FBFE01				1
31	distance piece H timber	Ref. PDB, FBDS				1
32	cover cap FEB rh.			FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.			FKFE0012-002 ...	FKFE0012-011 ...	1



FAVORIT

Installation instructions



2-sash square tilt-turn/turn DSG gear

timber 12 mm

3-point security

fixed handle position

Hinge side Si-line

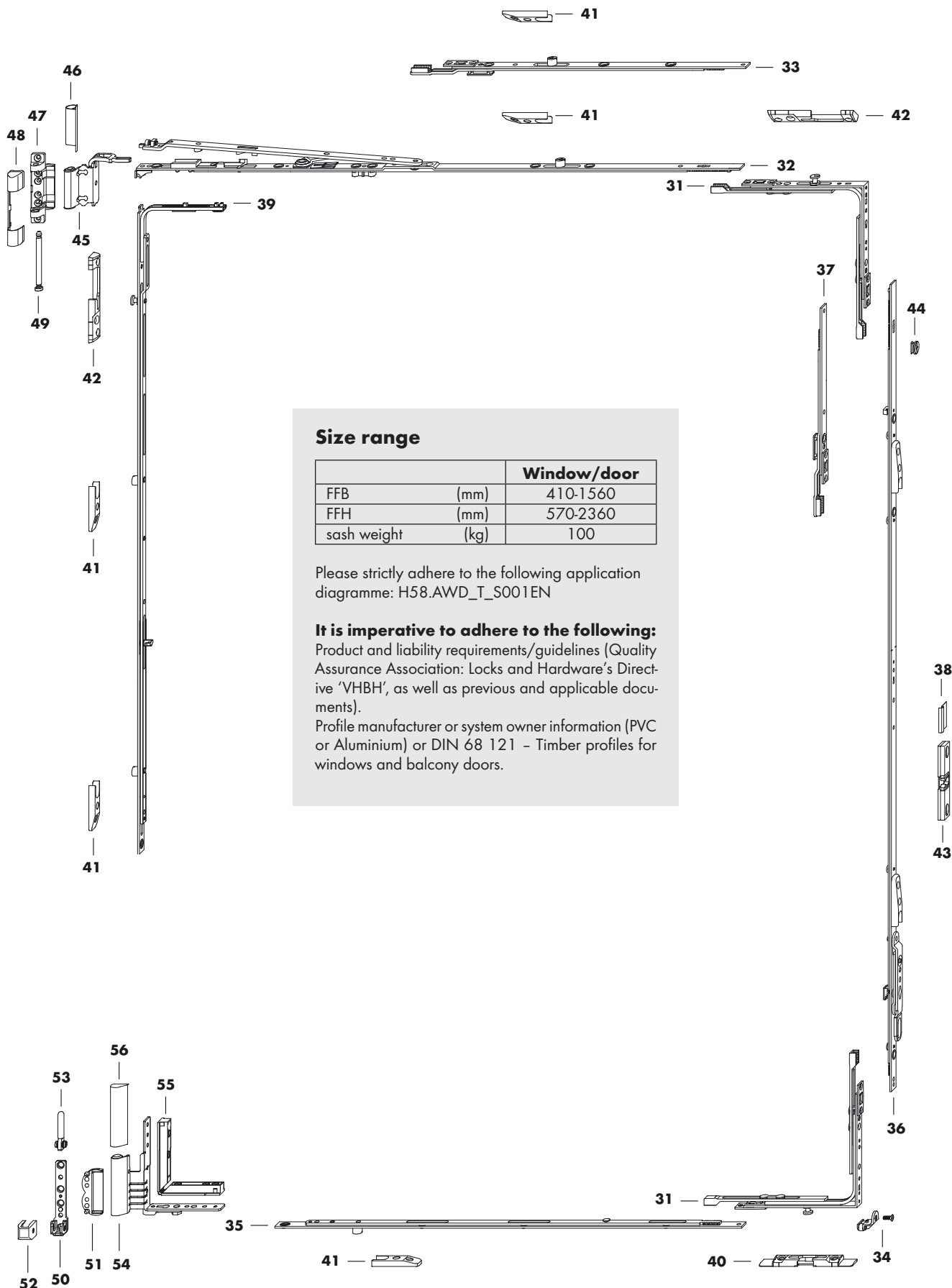
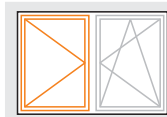
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point; double hinge with DK-bolt</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

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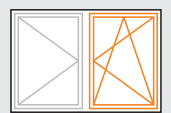
Size range

		Window/door
FFB	(mm)	410-1560
FFH	(mm)	570-2360
sash weight	(kg)	100

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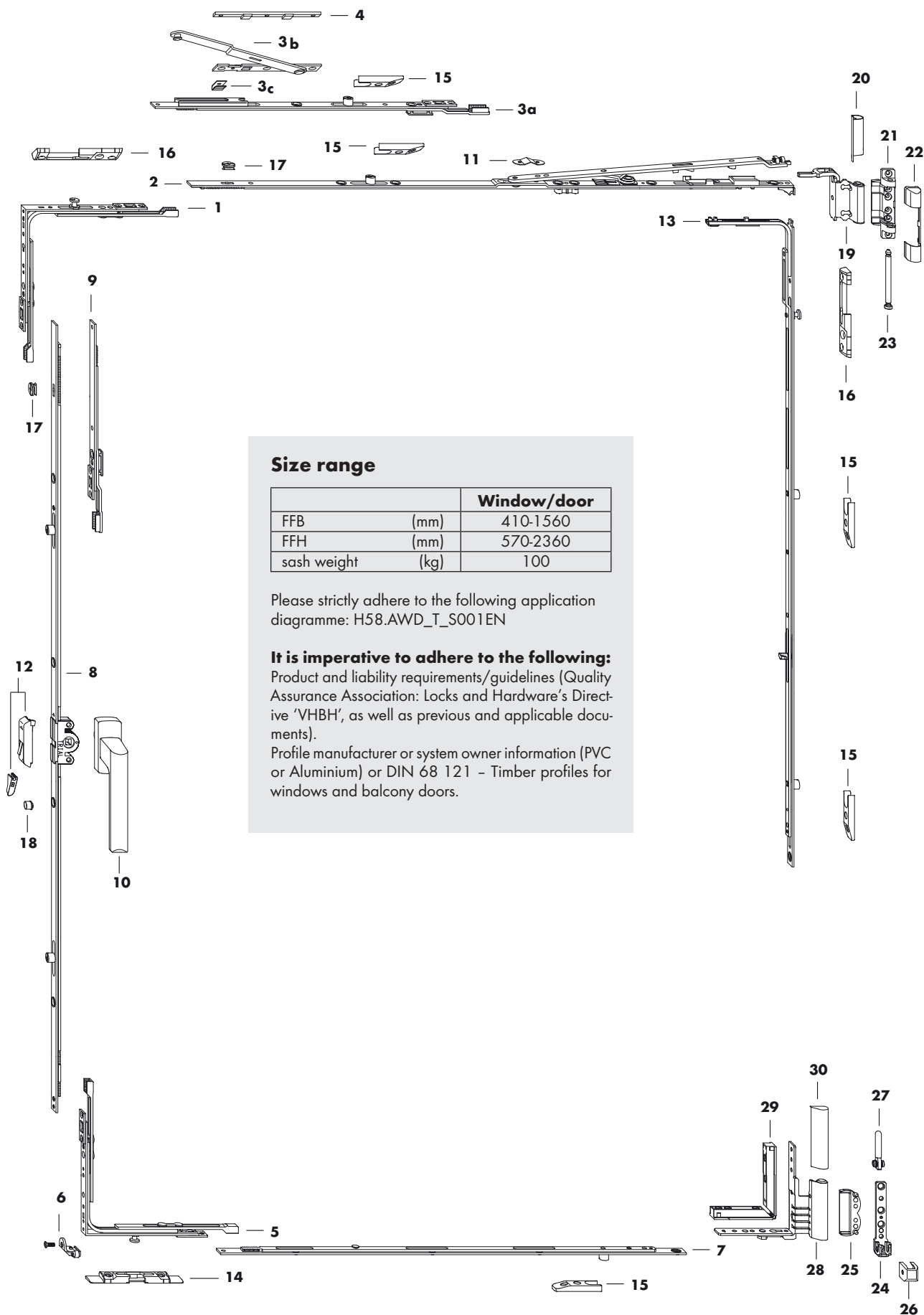


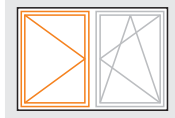
hardware layout main sash

2-sash square tilt-turn/turn DSG gear
H12 GK Hinge side Si-line

FAVORIT

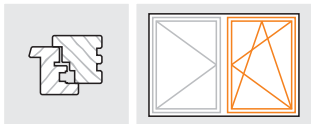
3P





Pos.	Description	Part number	QTY	FFB	FFH	Dimension G In the main sash	Number of frame parts / Pos.		
							40	41	42
31	corn.drive VS S-ES	FEUL0090- ...	2	410 - 1560			1		1
32	stay 7 sz 30	707302	1	410 - 620					
	stay 7 sz 35 MV	707319		621 - 800					
	stay 7 sz 50 MV	707326		801 - 1030					
	stay 7 sz 55 MV	707333		1031 - 1260				1	
	stay 7 sz 50 MV	707326		1261 - 1490				1	
	stay 7 sz 55 MV	707333		1491 - 1560				1	
33	linkage sz 460 MV	713266	1	1261 - 1560				1	
34	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560					
35	centre lock sz 50	700969	1	1031 - 1260				1	
	centre lock sz 70	700976		1261 - 1490				1	
	centre lock sz 90	700983		1491 - 1560				1	
36	sec.sash gear 16 FAV sz 60	FGKS1010- ...	1		570 - 800	290			
	sec.sash gear 16 FAV sz .80 1SB	FGKS1020- ...			801 - 1000	390			
	sec.sash gear 16 FAV sz 100 1SB	FGKS1030- ...			1001 - 1200	490			
	sec.sash gear 16 FAV sz 120 1SB	FGKS1040- ...			1201 - 1400	590			
	sec.sash gear 16 FAV sz 140 1SB	FGKS1050- ...			1401 - 1600	690			
	sec.sash gear 16 FAV sz 160 1SB	FGKS1060- ...			1601 - 1800	690			
	sec.sash gear 16 FAV sz 180 2SB	FGKS1070- ...			1801 - 2000	1090			
sec.sash gear 16 FAV sz 200 2SB	FGKS1080- ...		2001 - 2360	1090					
37	linkage sz 230	FZSZ0030- ...	1		2201 - 2360				
38	stop	Ref. PDB, FRZF04	1		1801 - 2360				
39	corn.drive BS sz 20 1S	FEUL2100- ...	1		570 - 1000			1	
	corn.drive BS sz 50 1S 1V	FEUL2110- ...			1001 - 1180			1	
	corn.drive BS sz 70 1S 1V	FEUL2120- ...			1181 - 1600			1	
	corn.drive BS sz 90 1S 1V	FEUL2130- ...			1601 - 1920			1	
	corn.drive BS sz 130 1S 2V	FEUL2140- ...			1921 - 2360			2	
40	tilt lock bear. S-ES FH	Ref. PDB, FRKA							
41	striker plate 56	Ref. PDB, FRSB							
42	striker plate S-ES	Ref. PDB, FRSC							
on request									
43	snapper	Ref. PDB, FRZB02	1		1801 - 2360				
44	location piece	702543	1						

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
45	stay hinge	Ref. PDB, FBWB			1
46	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
47	top hinge S	Ref. PDB, FBLS02			1
48	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
49	top hinge pin diam.6	FBSB0010-1 ...			1
50	bottom hinge	Ref. PDB, FBEL01			1
51	filling piece H timber	Ref. PDB, FBFS			1
52	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
53	bottom hinge pin diam.7	FBLB0060-1 ...			1
54	reb.corner hinge H timber	Ref. PDB, FBFE01			1
55	distance piece H timber	Ref. PDB, FBDS			1
56	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



List of fittings main sash

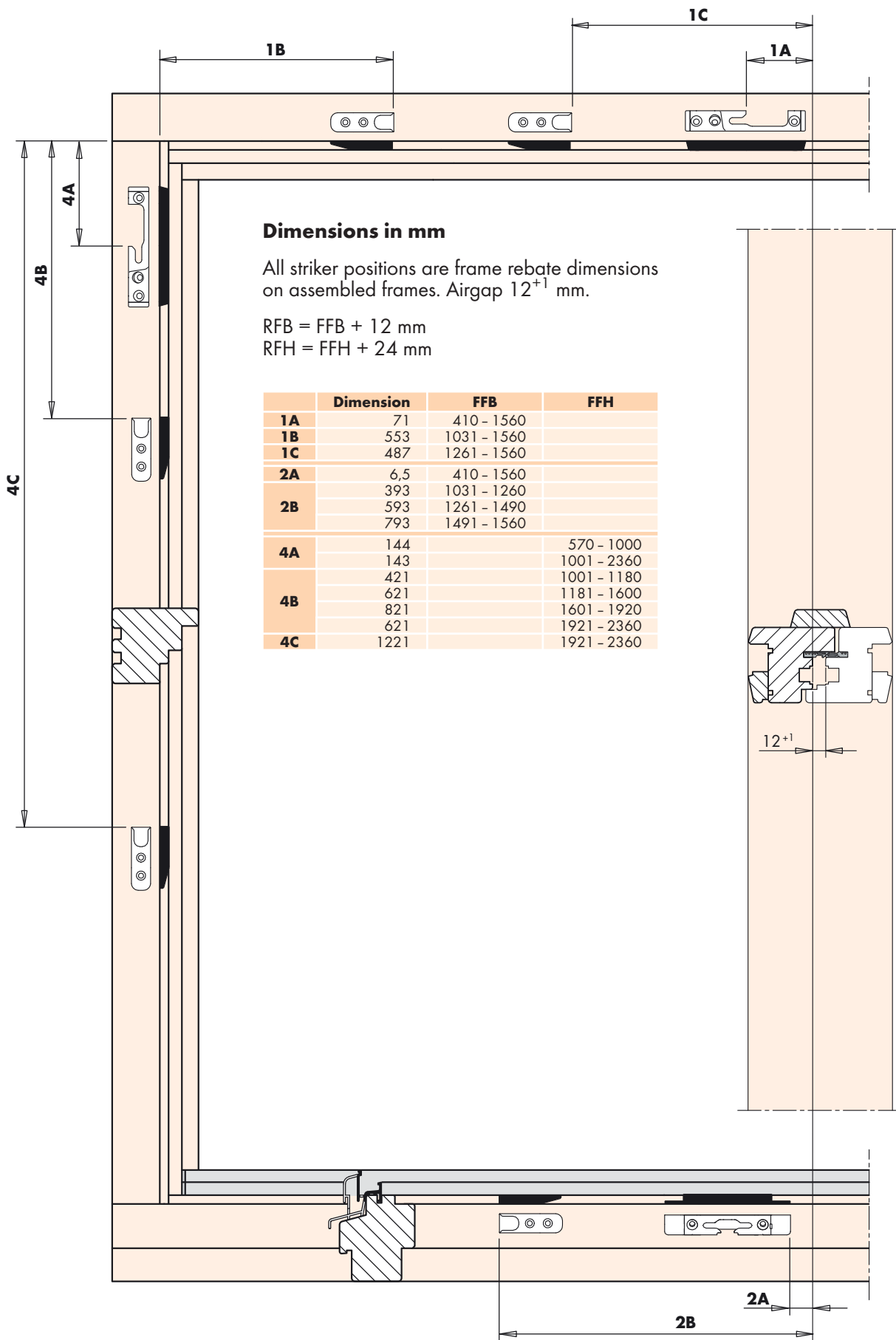
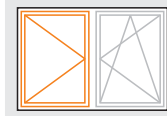
2-sash square tilt-turn/turn DSG gear
H12 GK Hinge side Si-line

FAVORIT

3P

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.		
							14	15	16
1	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560					1
2	stay 7 sz 30	707302	1	410 - 620					
	stay 7 sz 35 MV	707319		621 - 800					
	stay 7 sz 50 MV	707326		801 - 1030					
	stay 7 sz 55 MV	707333		1031 - 1260				1	
	stay 7 sz 50 MV	707326		1261 - 1490				1	
	stay 7 sz 55 MV	707333		1491 - 1560				1	
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1	
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560					
5	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560	601 - 2360		1		
6	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560					
7	centre lock sz 50	700969	1	1031 - 1260				1	
	centre lock sz 70	700976		1261 - 1490				1	
	centre lock sz 90	700983		1491 - 1560				1	
8	gear 23 sz 60/G290 A0089	707159	1		570 - 800	290			
	gear 23 sz 80/G390 MV A0089	702314		801 - 1000	390				
	gear 23 sz 100/G490 MV A0089	702345		1001 - 1200	490				
	gear 23 sz 120/G590 MV A0089	702376		1201 - 1400	590				
	gear 23 sz 140/G690 MV A0089	702406		1401 - 1600	690				
	gear 23 sz 160/G690 MV A0089	702413		1601 - 1800	690				
	gear 23 sz 180/G1090 TL A0089	702437		1801 - 2000	1090				
gear 23 sz 200/G1090 TL A0089	702444	2001 - 2360	1090						
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360				
10	handle Si-line	Ref.access. ZHSS	1		570 - 2360				
11	tilt restrictor	805701	1		570 - 750				
12	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360				
13	corn.drive BS sz 20 1S	FEUL2100- ...	1		570 - 1000				1
	corn.drive BS sz 50 1S 1V	FEUL2110- ...		1001 - 1180			1	1	
	corn.drive BS sz 70 1S 1V	FEUL2120- ...		1181 - 1600			1	1	
	corn.drive BS sz 90 1S 1V	FEUL2130- ...		1601 - 1920			1	1	
	corn.drive BS sz 130 1S 2V	FEUL2140- ...		1921 - 2360			2	1	
14	tilt lock bear. S-ES FH	Ref. PDB, FRKA							
15	striker plate 56	Ref. PDB, FRSB							
16	striker plate S-ES	Ref. PDB, FRSC							
on request									
17	location piece	702543	2						
18	sleeve DSG	Ref. PDB, FFHU02	1		1801 - 2360				

Hinge side turning points					
Pos.	Description	Part number	required as per sash weight 100 kg		
			surface TS	RAL9003	RAL8019
19	stay hinge	Ref. PDB, FBWB			1
20	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
21	top hinge S	Ref. PDB, FBSL02			1
22	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
23	top hinge pin diam.6	FBSB0010-1 ...			1
24	bottom hinge	Ref. PDB, FBEL01			1
25	filling piece H timber	Ref. PDB, FBFS			1
26	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
27	bottom hinge pin diam.7	FBLB0060-1 ...			1
28	reb.corner hinge H timber	Ref. PDB, FBFE01			1
29	distance piece H timber	Ref. PDB, FBDS			1
30	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



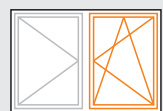
Dimensions in mm

All striker positions are frame rebate dimensions on assembled frames. Airgap 12⁺¹ mm.

RFB = FFB + 12 mm

RFH = FFH + 24 mm

Dimension	FFB	FFH
1A	71	410 - 1560
1B	553	1031 - 1560
1C	487	1261 - 1560
2A	6,5	410 - 1560
2B	393	1031 - 1260
	593	1261 - 1490
4A	793	1491 - 1560
	144	570 - 1000
	143	1001 - 2360
4B	421	1001 - 1180
	621	1181 - 1600
	821	1601 - 1920
4C	621	1921 - 2360
	1221	1921 - 2360

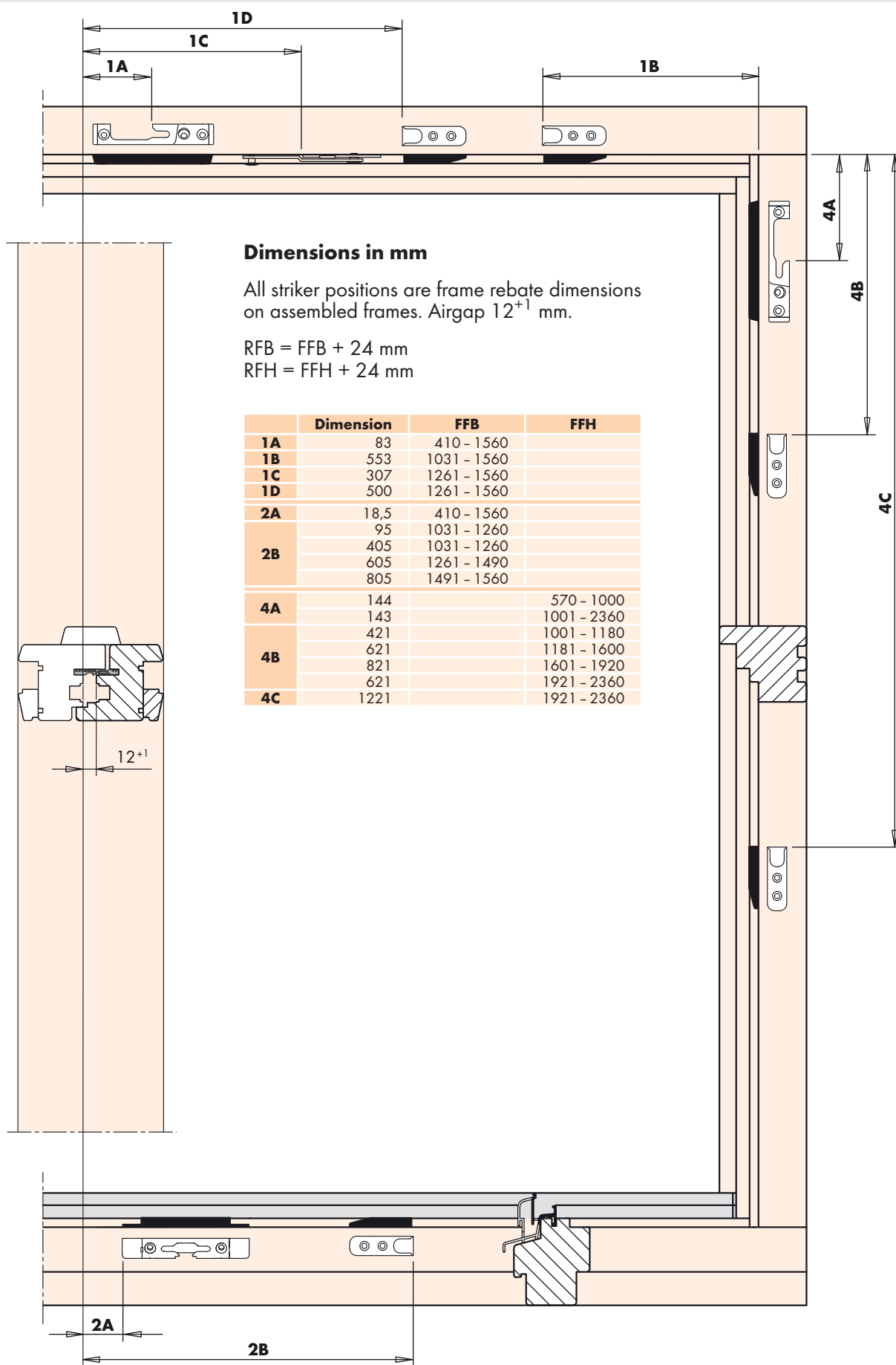


Frame dimensions main sash

2-sash square tilt-turn/turn DSG gear
H12 GK Hinge side Si-line

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3P



FAVORIT

Installation instructions



1-sash square tilt before turn (TBT)

timber 12 mm

3-point security

fixed handle position

Hinge side Si-line

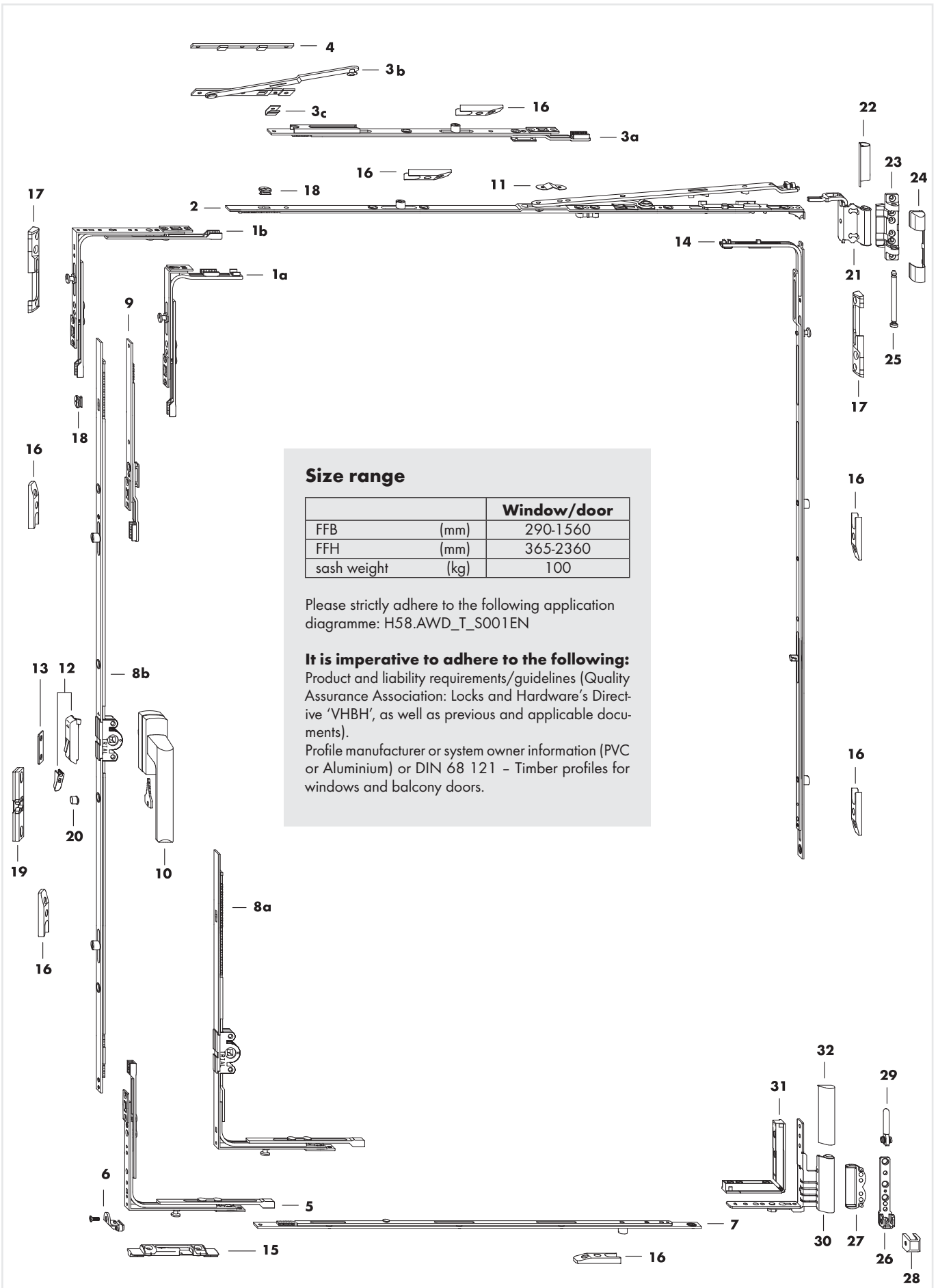
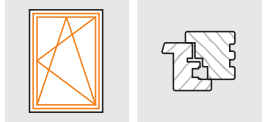
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).



Size range

		Window/door
FFB	(mm)	290-1560
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

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Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



List of fittings

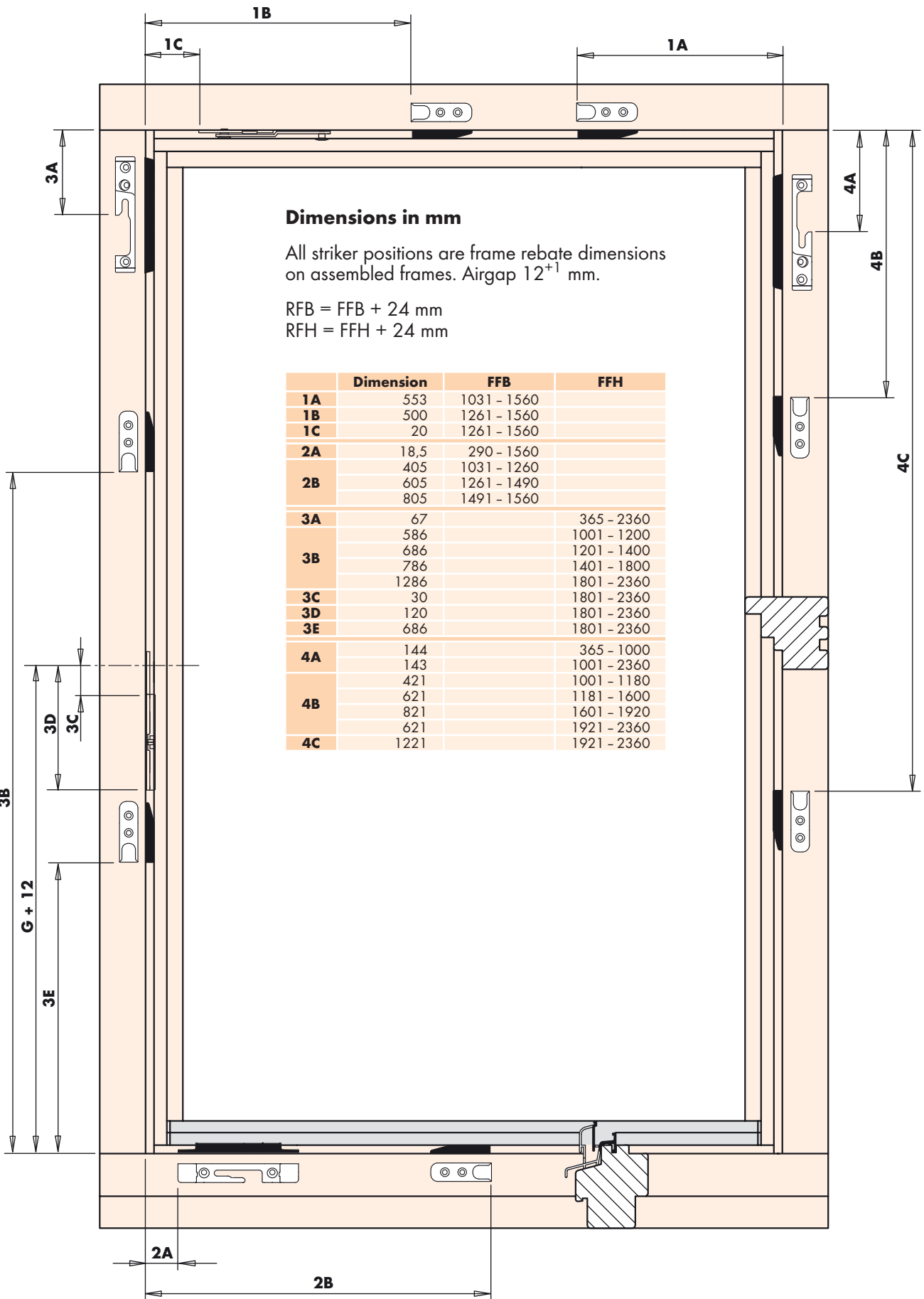
1-sash square tilt before turn (TBT)
H12 GK Hinge side Si-line

FAVORIT

3P

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.		
							15	16	17
1a	corn.drive narrow VS S-ES	703038	1	290 - 410					1
1b	corn.drive VS S-ES	FEUL0090- ...	1	411 - 1560					1
2	stay 7 TBT sz 30	707357	1	290 - 620					
	stay 7 TBT sz 35 MV	707364		621 - 800					
	stay 7 TBT sz 50 MV	707371		801 - 1030					
	stay 7 TBT sz 55 MV	707388		1031 - 1260				1	
	stay 7 TBT sz 50 MV	707371		1261 - 1490				1	
	stay 7 TBT sz 55 MV	707388		1491 - 1560				1	
3	crt.additional stay TBT	Ref. PDB, FMZS02	1	1261 - 1560				1	
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560					
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	601 - 2360		1		
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560					
7	centre lock sz 50	700969	1	1031 - 1260				1	
	centre lock sz 70	700976		1261 - 1490				1	
	centre lock sz 90	700983		1491 - 1560				1	
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1		
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 600	190	1		
8b	gear 23 sz 60/G290 A0089	707159	1		601 - 800	290			
	gear 23 sz 80/G390 MV A0089	702314			801 - 1000	390			
	gear 23 sz 100/G490 MV A0089	702345			1001 - 1200	490		1	
	gear 23 sz 120/G590 MV A0089	702376			1201 - 1400	590		1	
	gear 23 sz 140/G690 MV A0089	702406			1401 - 1600	690		1	
	gear 23 sz 160/G690 MV A0089	702413			1601 - 1800	690		1	
	gear 23 sz 180/G1090 TL A0089	702437			1801 - 2000	1090		2	
	gear 23 sz 200/G1090 TL A0089	702444			2001 - 2360	1090		2	
9	linkage sz 230	FZSZ0030- ...	1		2201 - 2360				
10	handle Si-line TBT lockable	Ref.access. ZHST	1		365 - 2360				
11	tilt restrictor	805701	1		365 - 750				
12	bag mishandling device	Ref. PDB, FMFS01	1		1801 - 2360				
13	stop	Ref. PDB, FRZF01	1		1801 - 2360				
14	corn.drive BS sz 20 1S	FEUL2100- ...	1		365 - 1000				1
	corn.drive BS sz 50 1S 1V	FEUL2110- ...			1001 - 1180			1	1
	corn.drive BS sz 70 1S 1V	FEUL2120- ...			1181 - 1600			1	1
	corn.drive BS sz 90 1S 1V	FEUL2130- ...			1601 - 1920			1	1
	corn.drive BS sz 130 1S 2V	FEUL2140- ...			1921 - 2360			2	1
15	tilt lock bear. S-ES FH TBT	Ref. PDB, FRKB							
16	striker plate 56	Ref. PDB, FRSB							
17	striker plate S-ES	Ref. PDB, FRSC							
on request									
18	location piece	702543	2						
19	snapper	Ref. PDB, FRZB	1		1801 - 2360				
20	sleeve	Ref. PDB, FFHU	1		1801 - 2360				

Hinge side turning points						
Pos.	Description	Part number	required as per sash weight			
			surface TS	RAL9003	RAL8019	100 kg
21	stay hinge	Ref. PDB, FBWB				1
22	cover cap W timber			FKWB0020-002 ...	FKWB0020-011 ...	1
23	top hinge S	Ref. PDB, FBSLO2				1
24	cover cap S			FKSLO010-002 ...	FKSLO010-011 ...	1
25	top hinge pin diam.6	FBSB0010-1 ...				1
26	bottom hinge	Ref. PDB, FBEL01				1
27	filling piece H timber	Ref. PDB, FBFS				1
28	cover cap EL U			FKEU0010-002 ...	FKEU0010-011 ...	1
29	bottom hinge pin diam.7	FBLB0060-1 ...				1
30	reb.corner hinge H timber	Ref. PDB, FBFE01				1
31	distance piece H timber	Ref. PDB, FBDS				1
32	cover cap FEB rh.			FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.			FKFE0012-002 ...	FKFE0012-011 ...	1





5 - Directory

Installation instructions timber 12 mm

Centre handle pos. (variable)

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Vertical tilt point

Basic security

1-sash square tilt-turn	H48.FAVH2MOS001EN	5 - 3
2-sash square tilt-turn/turn shoot bolt	H48.FAVH2MOS002EN	5 - 7

Horizontal tilt point

Basic security

1-sash square tilt-turn	H48.FAVH2MOS003EN	5 - 15
2-sash square tilt-turn/turn DS 16	H48.FAVH2MOS018EN	5 - 19
2-sash square tilt-turn/turn shoot bolt	H48.FAVH2MOS006EN	5 - 27
1-sash square tilt-turn hinge side V-V	H48.FAVH2MOS014EN	5 - 35

Tilt before turn (TBT)

1-sash square tilt before turn (TBT)	H48.FAVH2MOS009EN	5 - 41
1-sash square tilt before turn (TBT) hinge side V-V	H48.FAVH2MOS015EN	5 - 45

Turn only sash

1-sash square turn, Gear DF	H48.FAVH2MOS012EN	5 - 51
1-sash square turn, Gear DK	H48.FAVH2MOS011EN	5 - 55
1-sash square turn, Gear DK hinge side V-V	H48.FAVH2MOS016EN	5 - 59

3P

1-sash square tilt-turn	H48.FAVH2MOS007EN	5 - 65
2-sash square tilt-turn/turn DS 16	H48.FAVH2MOS020EN	5 - 69

Tilt before turn (TBT)

1-sash square tilt before turn (TBT)	H48.FAVH2MOS010EN	5 - 77
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Tilt sash

1-sash square tilt	H48.FAVH2MOS013EN	5 - 81
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FAVORIT

Installation instructions



1-sash square tilt-turn

timber 12 mm

none

centre handle pos. (variable)

Hinge side Si-line

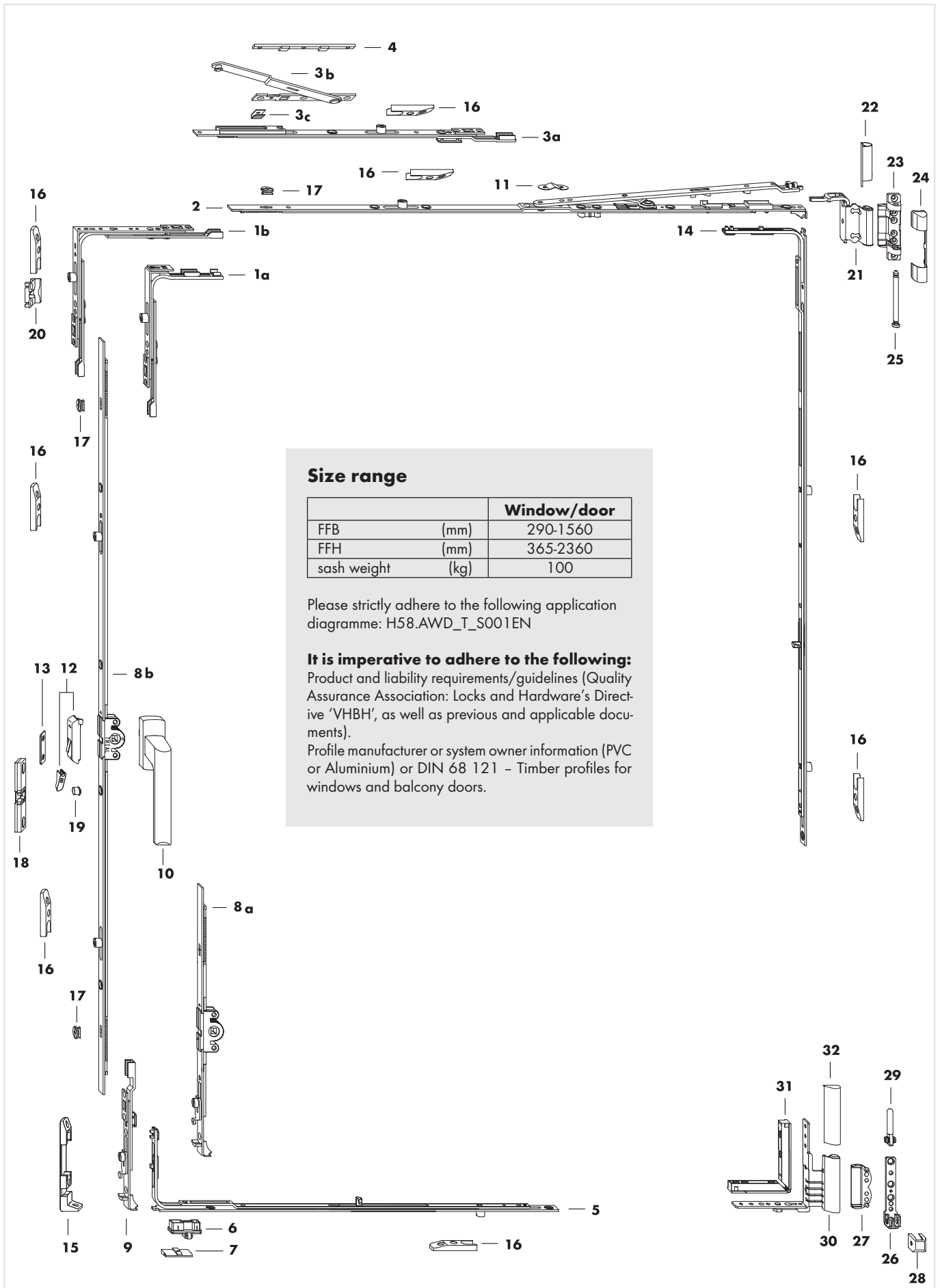
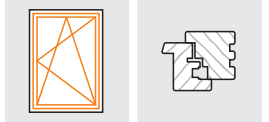
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>vertical tilt point</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

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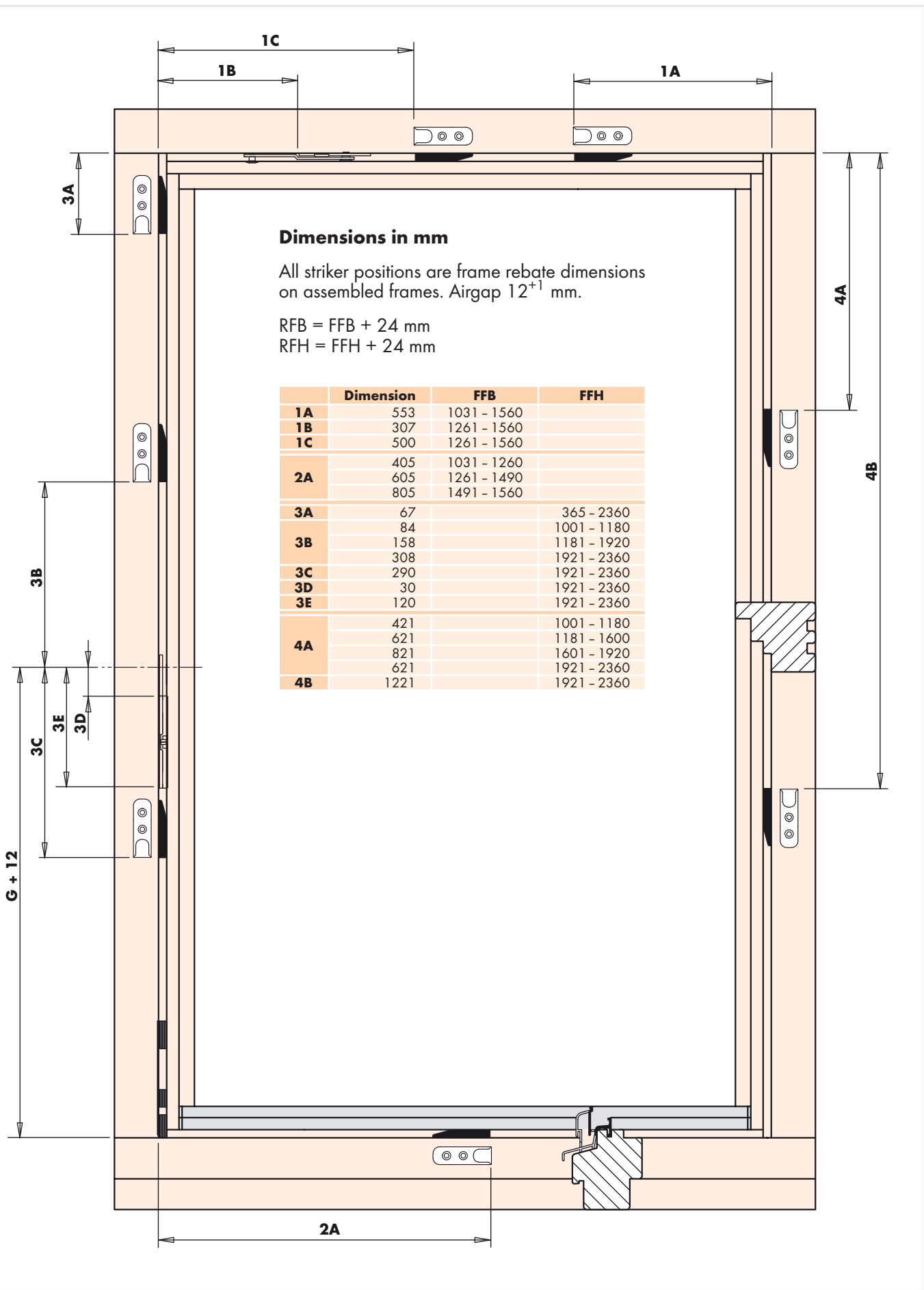
List of fittings

1-sash square tilt-turn
H12 GM Hinge side Si-line

FAVORIT

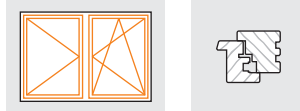
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							15	16
1a	corn.drive narrow VSO	702925	1	290 - 410				1
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				1
2	stay 7 sz 30	707302	1	290 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560				
5	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1	1031 - 1260				1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1261 - 1490				1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1491 - 1560				1
6	sash lift .. A2000	TFFH0010- ...	1	290 - 1030				
7	run-up FH/TiP	Ref. PDB, TRAL	1	290 - 1030				
8a	gear 23 sz 40/G125	707050	1		365 - 430	125	1	
	gear 23 sz 50/G190	707067			431 - 480	190	1	
8b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1000	340 - 500		
	gear 3 sz 1a MV	FGMK3070- ...			1001 - 1180	500 - 590		1
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730		1
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960		1
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180		2
9	tilt lock element	701072	1		481 - 2360		1	
10	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
11	tilt restrictor	805701	1		365 - 750			
12	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
13	stop	Ref. PDB, FRZF01	1		1921 - 2360			
14	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		1001 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
15	tilt striker plate	Ref. PDB, FRKS						
16	striker plate 56	Ref. PDB, FRSB						
on request								
17	location piece	702543	3					
18	snapper	Ref. PDB, FRZB	1		1921 - 2360			
19	sleeve	Ref. PDB, FFHU	1		1921 - 2360			
20	frame part SP-S	Ref. PDB, FRZL01	1					

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
21	stay hinge	Ref. PDB, FBWB			1
22	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
23	top hinge S	Ref. PDB, FBLS02			1
24	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
25	top hinge pin diam.6	FBSB0010-1 ...			1
26	bottom hinge	Ref. PDB, FBEL01			1
27	filling piece H timber	Ref. PDB, FBFS			1
28	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
29	bottom hinge pin diam.7	FBLB0060-1 ...			1
30	reb.corner hinge H timber	Ref. PDB, FBFE01			1
31	distance piece H timber	Ref. PDB, FBDS			1
32	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



FAVORIT

Installation instructions



2-sash square tilt-turn/turn shoot bolt

timber 12 mm

none

centre handle pos. (variable)

Hinge side Si-line

surface TS

backset 16 mm

Hardware set configuration

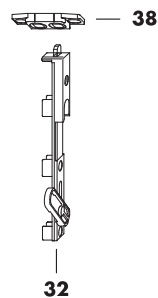
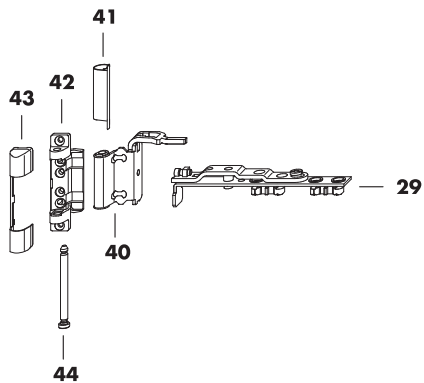
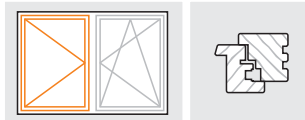
<i>General</i>	<i>vertical tilt point</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).

FAVORIT

hardware layout slave sash

2-sash square tilt-turn/turn shoot bolt
H12 GM Hinge side Si-line



Size range

		Window/door
FFB	(mm)	230-1030
FFH	(mm)	365-2360
sash weight	(kg)	100

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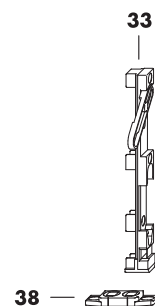
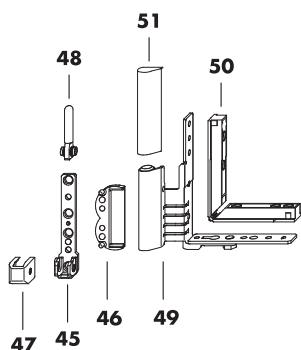
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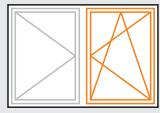
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34



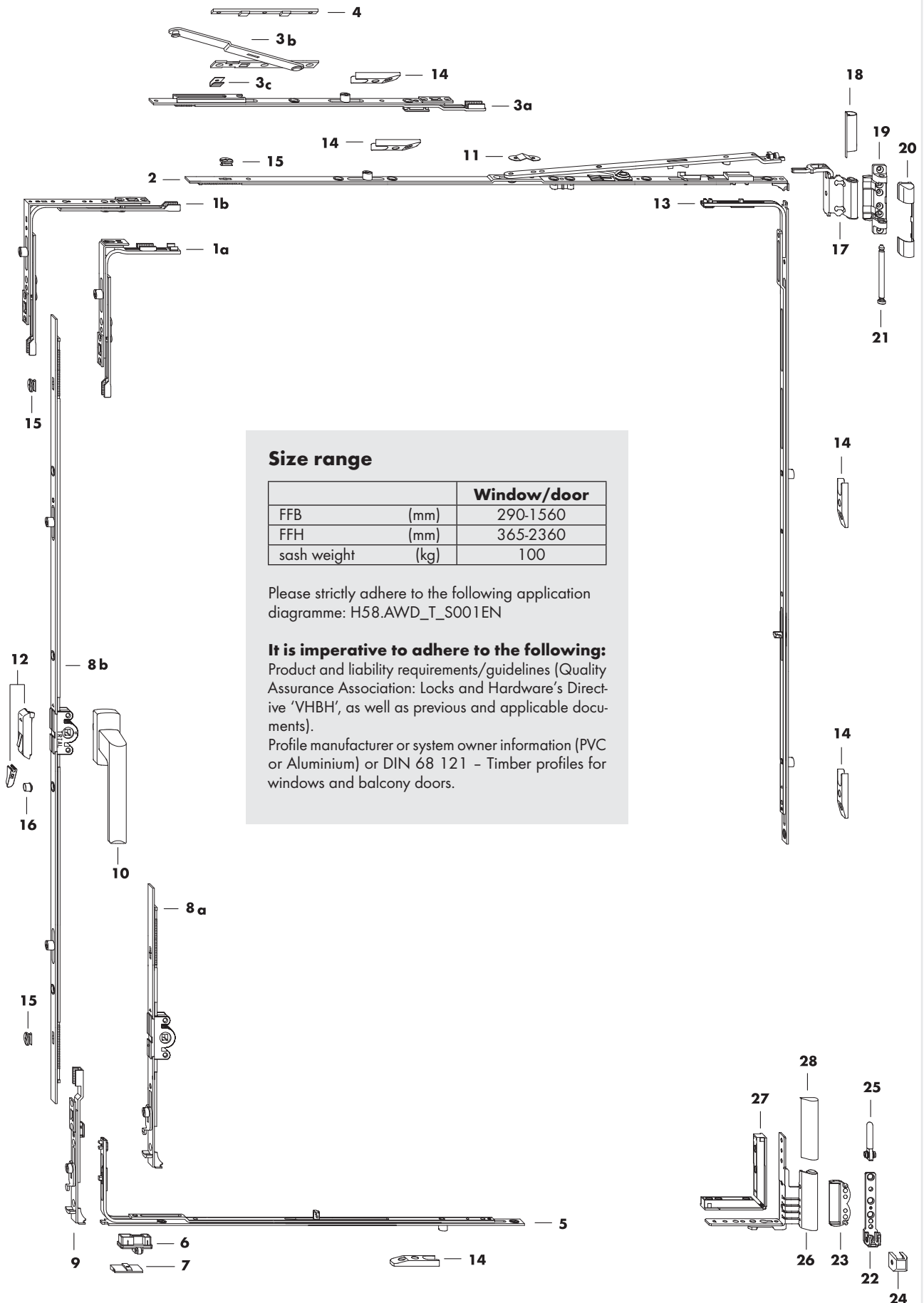
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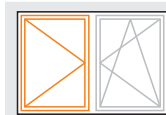


hardware layout main sash

2-sash square tilt-turn/turn shoot bolt
H12 GM Hinge side Si-line

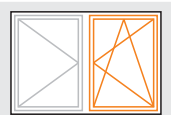
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Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.
						In the main sash	
29	stay 7 DF	707340	1	230 - 1030			
30	sash lift .. A2000	TFFH0010- ...	1	230 - 1030			
31	run-up FH/TiP	Ref. PDB, TRAL	1	230 - 1030			
32	shoot bolt VSO A2000	701195	1		365 - 2360		1
33	shoot bolt VSU A2000	701126	1		365 - 2360		1
34	striker plate 56 A2000	TRSB0030- ...	1		1001 - 1180	500 - 590	
	striker plate 56 A2000	TRSB0030- ...			1181 - 1460	590 - 730	
	striker plate 56 A2000	TRSB0030- ...			1461 - 1920	730 - 960	
	striker plate 56 A2000	TRSB0030- ...	2		1921 - 2360	960 - 1180	
35	stop	Ref. PDB, FRZF04	1		1921 - 2360		
36	sash part MV	Ref. PDB, ZFMV01	1		1001 - 1600		
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360		
37	frame part MV	Ref. PDB, ZRZM01	1		1001 - 1600		
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360		
38	striker V	Ref. PDB, FRZV01					
on request							
39	snapper A2000	709313	1		1921 - 2360		

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
40	stay hinge	Ref. PDB, FBWB			1
41	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
42	top hinge S	Ref. PDB, FBLS02			1
43	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
44	top hinge pin diam.6	FBSB0010-1 ...			1
45	bottom hinge	Ref. PDB, FBEL01			1
46	filling piece H timber	Ref. PDB, FBFS			1
47	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
48	bottom hinge pin diam.7	FBLB0060-1 ...			1
49	reb.corner hinge H timber	Ref. PDB, FBFE01			1
50	distance piece H timber	Ref. PDB, FBDS			1
51	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



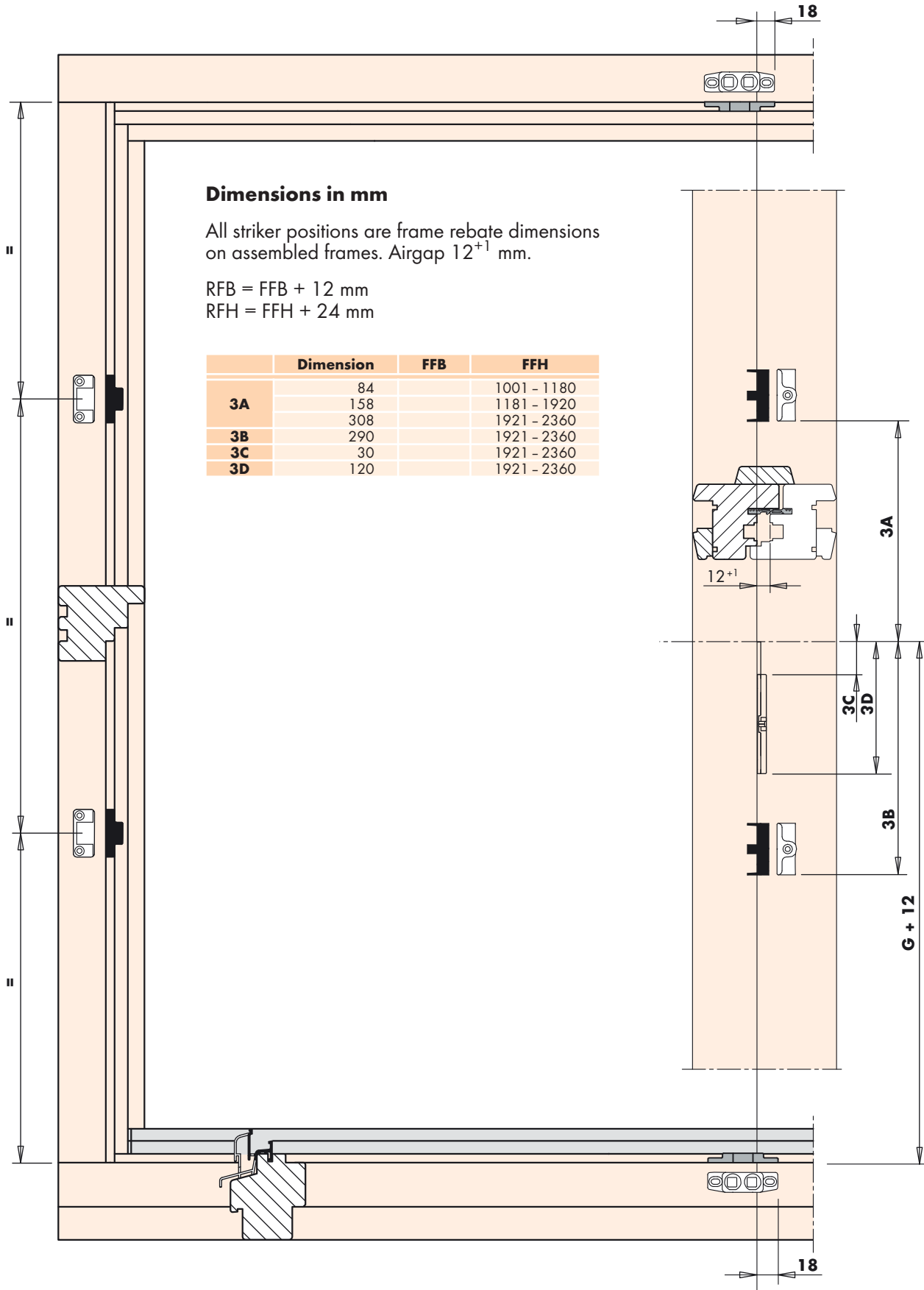
List of fittings main sash

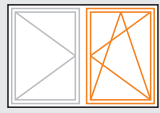
2-sash square tilt-turn/turn shoot bolt
H12 GM Hinge side Si-line

FAVORIT

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.
1a	corn.drive narrow VSO	702925	1	290 - 410			14
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560			
2	stay 7 sz 30	707302	1	290 - 620			
	stay 7 sz 35 MV	707319		621 - 800			
	stay 7 sz 50 MV	707326		801 - 1030			
	stay 7 sz 55 MV	707333		1031 - 1260			1
	stay 7 sz 50 MV	707326		1261 - 1490			1
	stay 7 sz 55 MV	707333		1491 - 1560			1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560			1
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560			
5	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1	1031 - 1260			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1261 - 1490			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1491 - 1560			1
6	sash lift .. A2000	TFFH0010- ...	1	290 - 1030			
7	run-up FH/TiP	Ref. PDB, TRAL	1	290 - 1030			
8a	gear 23 sz 40/G125	707050	1		365 - 430	125	
	gear 23 sz 50/G190	707067			431 - 480	190	
8b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340	
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1180	340 - 590	
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730	
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960	
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180	
9	tilt lock element	701072	1		481 - 2360		
10	handle Si-line	Ref.access. ZHSS	1		365 - 2360		
11	tilt restrictor	805701	1		365 - 750		
12	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360		
13	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		1001 - 1180		1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600		1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920		1
	corn.drive BS sz 130	703045			1921 - 2360		2
14	striker plate 56	Ref. PDB, FRSB					
on request							
15	location piece	702543	3				
16	sleeve KRL	Ref. PDB, FFHU01	1		1921 - 2360		

Hinge side turning points						
Pos.	Description	Part number	surface TS			required as per sash weight 100 kg
				RAL9003	RAL8019	
17	stay hinge	Ref. PDB, FBWB				1
18	cover cap W timber		FKWB0020-002 ...		FKWB0020-011 ...	1
19	top hinge S	Ref. PDB, FBSL02				1
20	cover cap S		FKSL0010-002 ...		FKSL0010-011 ...	1
21	top hinge pin diam.6	FBSB0010-1 ...				1
22	bottom hinge	Ref. PDB, FBEL01				1
23	filling piece H timber	Ref. PDB, FBFS				1
24	cover cap EL U		FKEU0010-002 ...		FKEU0010-011 ...	1
25	bottom hinge pin diam.7	FBLB0060-1 ...				1
26	reb.corner hinge H timber	Ref. PDB, FBFE01				1
27	distance piece H timber	Ref. PDB, FBDS				1
28	cover cap FEB rh.		FKFE0011-002 ...		FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...		FKFE0012-011 ...	1

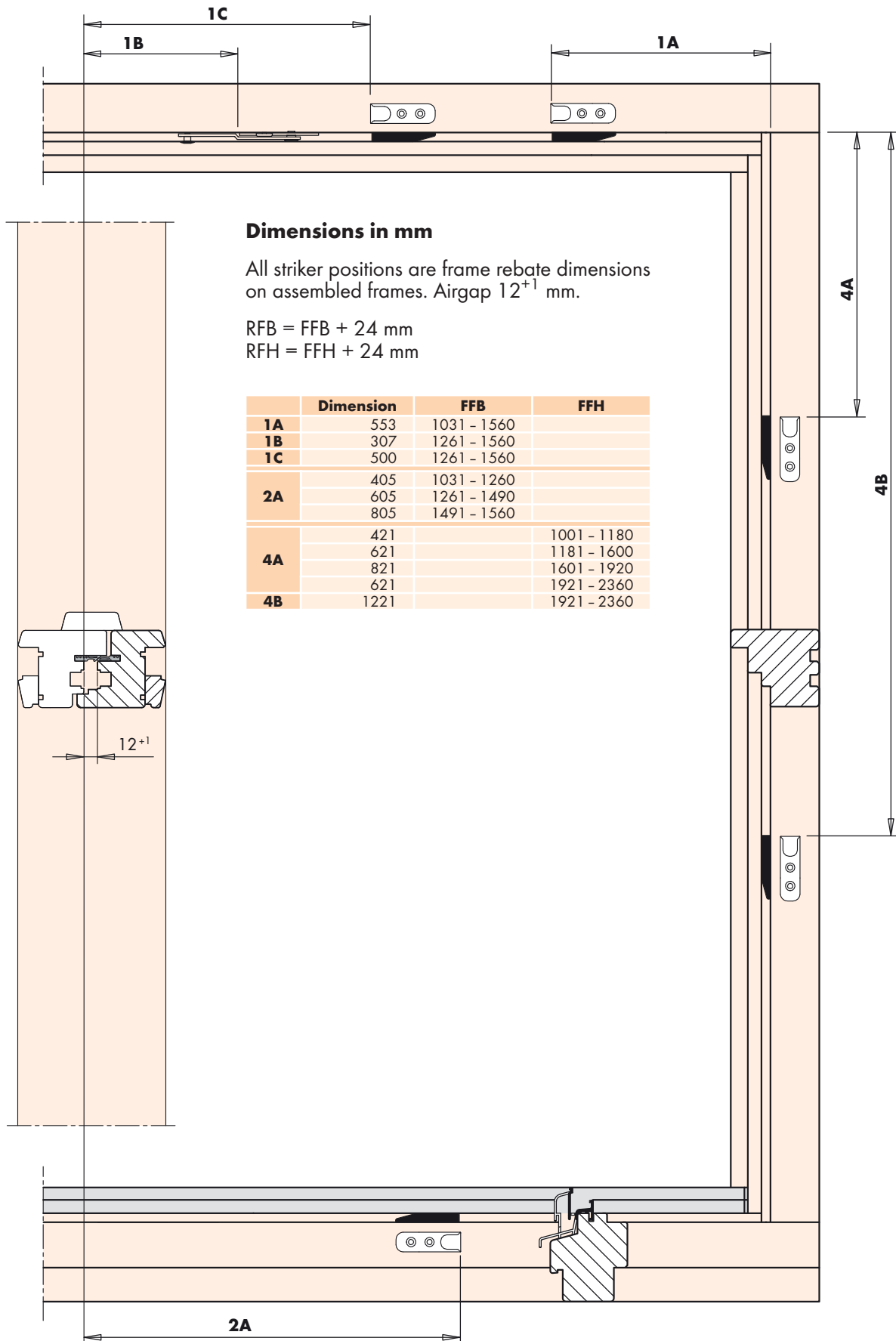




Frame dimensions main sash

2-sash square tilt-turn/turn shoot bolt
H12 GM Hinge side Si-line

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Installation instructions

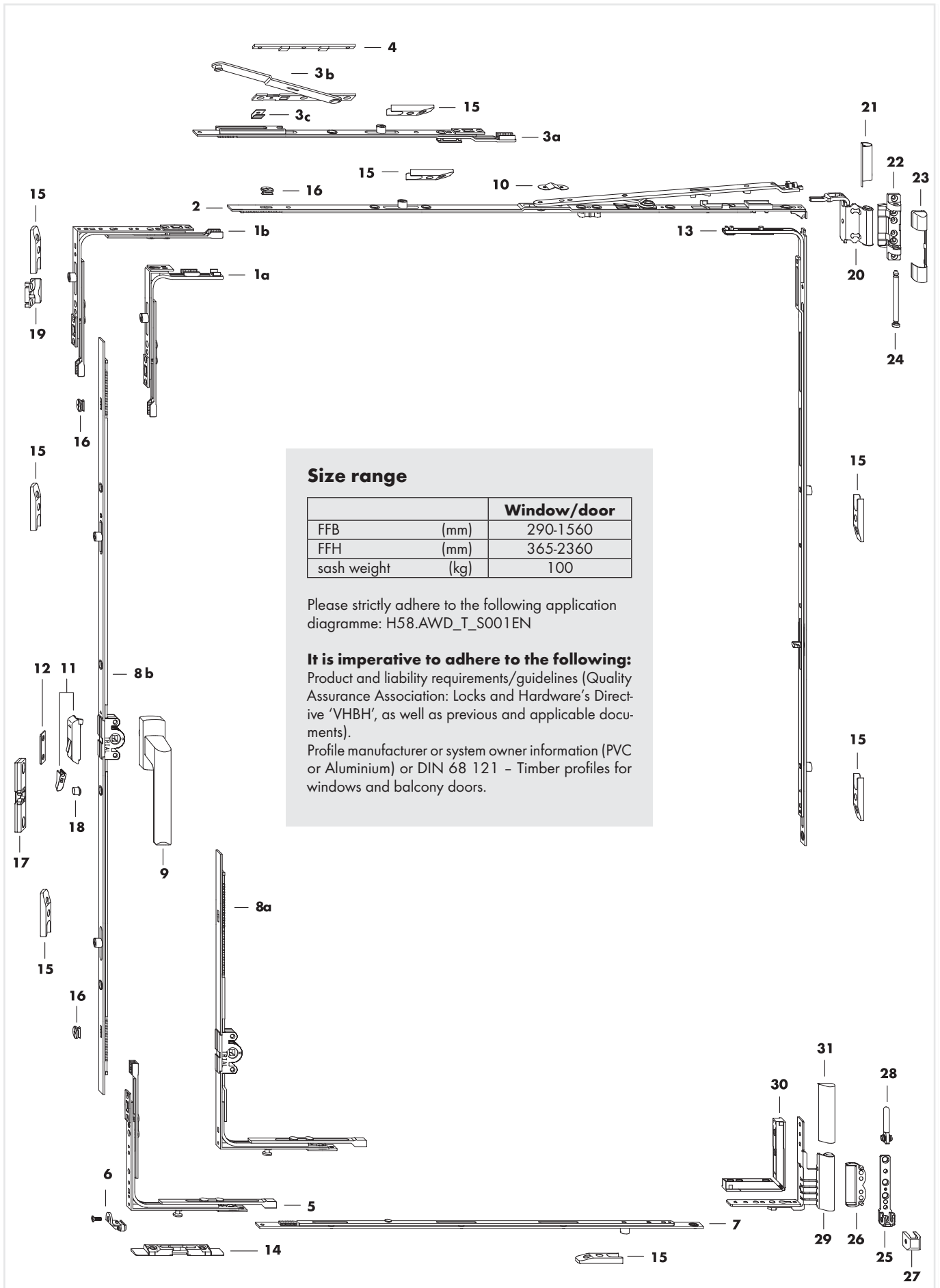
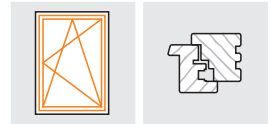


*1-sash square tilt-turn
timber 12 mm
basic security
centre handle pos. (variable)
Hinge side Si-line
surface TS
backset 16 mm*

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).





List of fittings

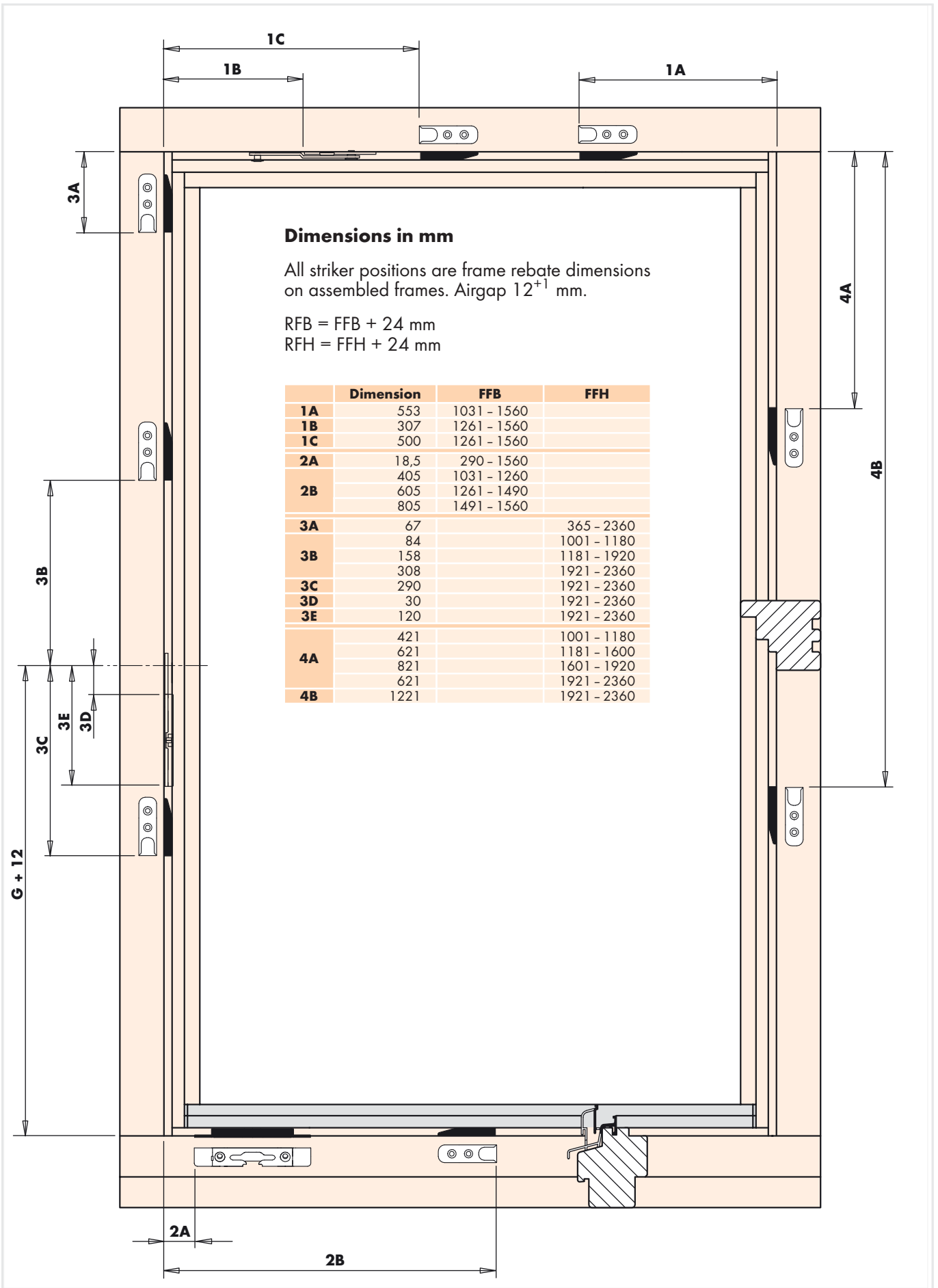
1-sash square tilt-turn
H12 GM Hinge side Si-line

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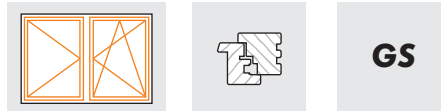
Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							14	15
1a	corn.drive narrow VSO	702925	1	290 - 410				1
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				1
2	stay 7 sz 30	707302	1	290 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	481 - 2360		1	
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560				
7	centre lock sz 50	700969	1	1031 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 480	190	1	
8b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1000	340 - 500		
	gear 3 sz 1a MV	FGMK3070- ...			1001 - 1180	500 - 590		1
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730		1
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960		1
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180		2
9	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
10	filt restrictor	805701	1		365 - 750			
11	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
12	stop	Ref. PDB, FRZF01	1		1921 - 2360			
13	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		1001 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
14	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
15	striker plate 56	Ref. PDB, FRSB						
on request								
16	location piece	702543	3					
17	snapper	Ref. PDB, FRZB	1		1921 - 2360			
18	sleeve	Ref. PDB, FFHU	1		1921 - 2360			
19	frame part SP-S	Ref. PDB, FRZL01	1					

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
20	stay hinge	Ref. PDB, FBWB			1
21	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
22	top hinge S	Ref. PDB, FBLS02			1
23	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
24	top hinge pin diam.6	FBSB0010-1 ...			1
25	bottom hinge	Ref. PDB, FBEL01			1
26	filling piece H timber	Ref. PDB, FBFS			1
27	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
28	bottom hinge pin diam.7	FBLB0060-1 ...			1
29	reb.corner hinge H timber	Ref. PDB, FBFE01			1
30	distance piece H timber	Ref. PDB, FBDS			1
31	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



FAVORIT

Installation instructions



2-sash square tilt-turn/turn DSG gear

timber 12 mm

basic security

centre handle pos. (variable)

Hinge side Si-line

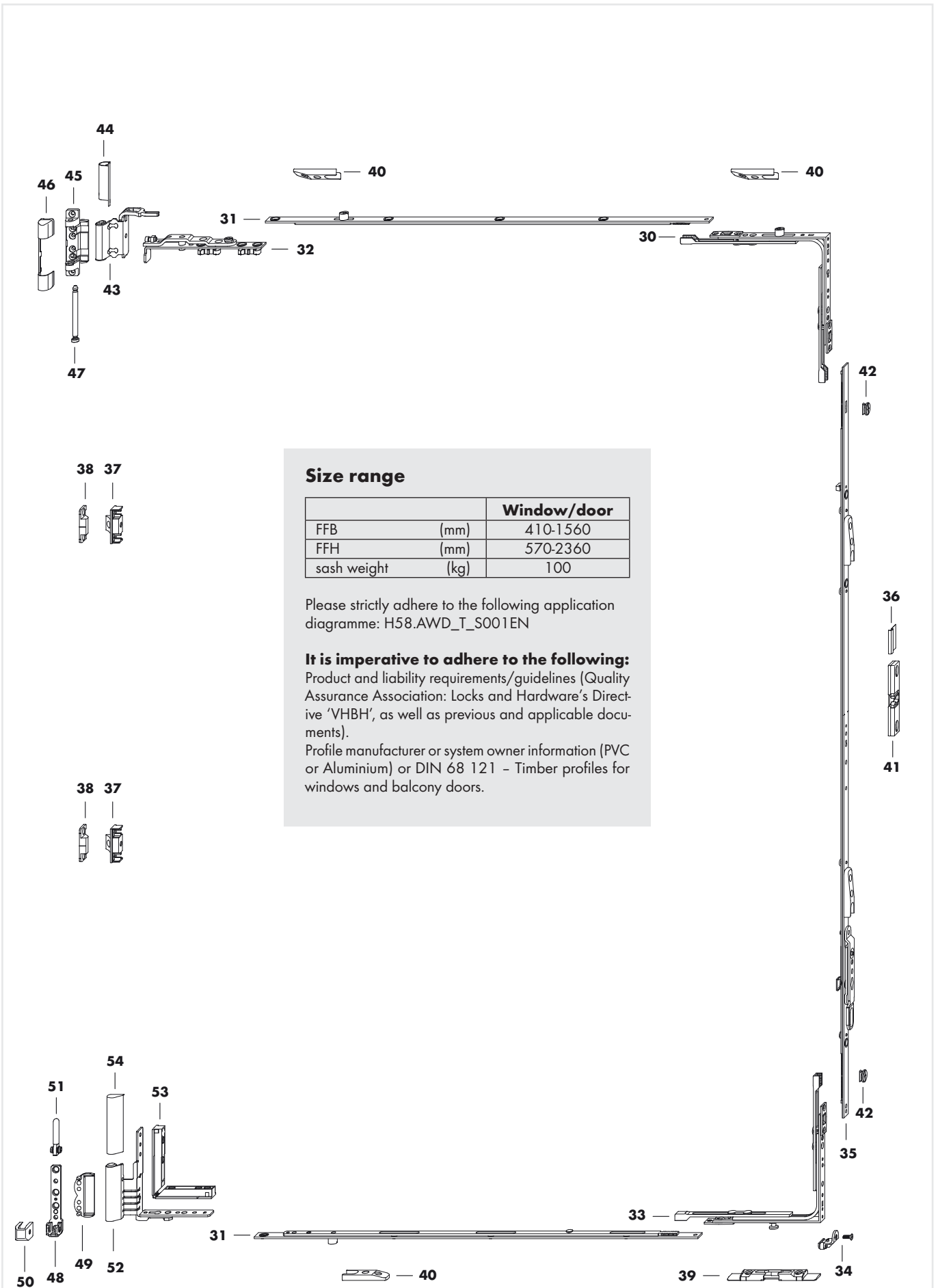
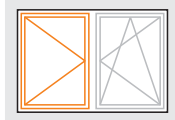
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).



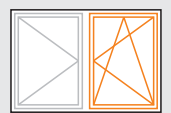
Size range

		Window/door
FFB	(mm)	410-1560
FFH	(mm)	570-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.

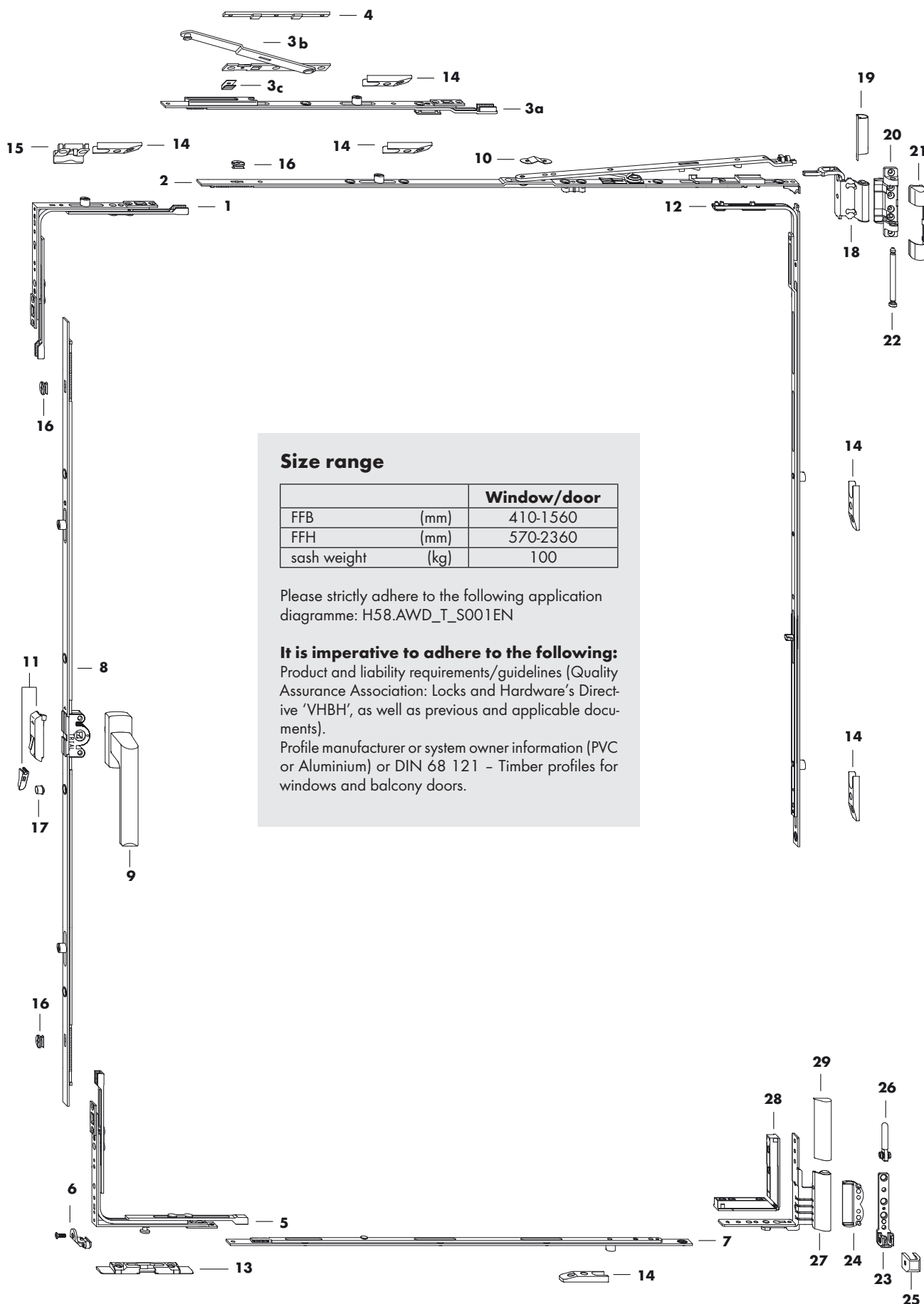


hardware layout main sash

2-sash square tilt-turn/turn DSG gear
H12 GM Hinge side Si-line

FAVORIT

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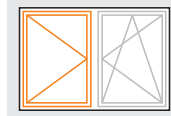
Size range

		Window/door
FFB	(mm)	410-1560
FFH	(mm)	570-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

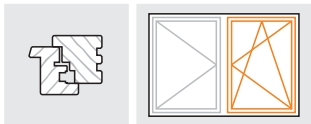
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Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



Pos.	Description	Part number	QTY	FFB	FFH	Dimension G In the main sash	Number of frame parts / Pos.	
							39	40
30	corn.drive VSO ..	FEUL0230- ...	1	410 - 1560				1
31	centre lock sz 50	700969	2	1031 - 1260				2
	centre lock sz 70	700976		1261 - 1490				2
	centre lock sz 90	700983		1491 - 1560				2
32	stay 7 DF	707340	1	410 - 1560				
33	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560			1	
34	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560				
35	sec.sash gear 16 FAV sz 60	FGKS1010- ...	1		570 - 680	285 - 340		
	sec.sash gear 16 FAV sz 70 1SB	FGMS1010- ...			681 - 1000	340 - 500		
	sec.sash gear 16 FAV sz 70 1SB	FGMS1010- ...			1001 - 1180	500 - 590		
	sec.sash gear 16 FAV sz 100 1SB	FGMS1020- ...			1181 - 1460	590 - 730		
	sec.sash gear 16 FAV sz 150 1SB	FGMS1040- ...			1461 - 1920	730 - 960		
	sec.sash gear 16 FAV sz 200 2SB	FGMS1060- ...			1921 - 2360	960 - 1180		
36	stop	Ref. PDB, FRZF04	1		1921 - 2360			
37	sash part MV	Ref. PDB, ZFMV01	1		1001 - 1600			
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360			
38	frame part MV	Ref. PDB, ZRZM01	1		1001 - 1600			
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360			
39	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
40	striker plate 56	Ref. PDB, FRSB						
on request								
41	snapper	Ref. PDB, FRZB02	1		1921 - 2360			
42	location piece	702543	2					

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
43	stay hinge	Ref. PDB, FBWB			1
44	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
45	top hinge S	Ref. PDB, FBSL02			1
46	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
47	top hinge pin diam.6	FBSB0010-1 ...			1
48	bottom hinge	Ref. PDB, FBEL01			1
49	filling piece H timber	Ref. PDB, FBFS			1
50	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
51	bottom hinge pin diam.7	FBLB0060-1 ...			1
52	reb.corner hinge H timber	Ref. PDB, FBFE01			1
53	distance piece H timber	Ref. PDB, FBDS			1
54	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



List of fittings main sash

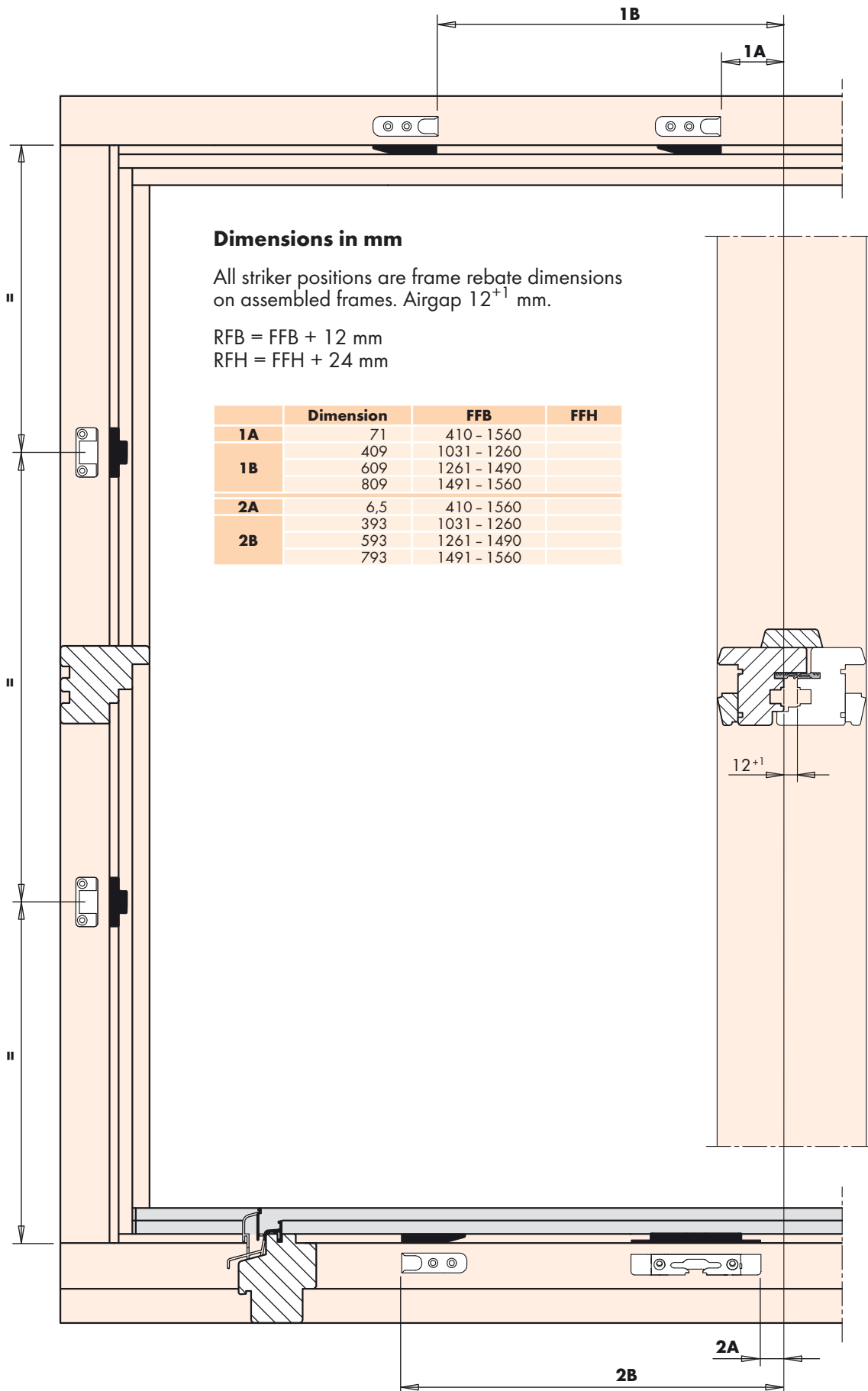
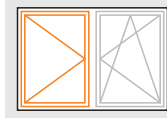
2-sash square tilt-turn/turn DSG gear
H12 GM Hinge side Si-line

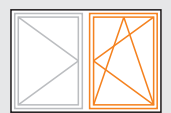
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GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							13	14
1	corn.drive VSO ..	FEUL0230- ...	1	410 - 1560				1
2	stay 7 sz 30	707302	1	410 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560			1	
6	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560				
7	centre lock sz 50	700969	1	1031 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8	gear 3 sz 0	FGMK3050- ...	1		570 - 680	285 - 340		
	gear 3 sz 1a MV	FGMK3070- ...		681 - 1180	340 - 590			
	gear 3 sz 2 MV	FGMK3080- ...		1181 - 1460	590 - 730			
	gear 3 sz 3 MV	FGMK3090- ...		1461 - 1920	730 - 960			
	gear 3 sz 4 TL	FGMK3100- ...		1921 - 2360	960 - 1180			
9	handle Si-line	Ref.access. ZHSS	1		570 - 2360			
10	tilt restrictor	805701	1		570 - 750			
11	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
12	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		1001 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1181 - 1600			1	
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1601 - 1920			1	
	corn.drive BS sz 130	703045		1921 - 2360			2	
13	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
14	striker plate 56	Ref. PDB, FRSB						
on request								
15	frame part SP-S	Ref. PDB, FRZL01	1					
16	location piece	702543	3					
17	sleeve DSG	Ref. PDB, FFHU02	1		1921 - 2360			

Hinge side turning points						
Pos.	Description	surface TS	Part number			required as per sash weight 100 kg
			RAL9003	RAL8019		
18	stay hinge	Ref. PDB, FBWB				1
19	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...		1
20	top hinge S	Ref. PDB, FBSLO2				1
21	cover cap S		FKSLO010-002 ...	FKSLO010-011 ...		1
22	top hinge pin diam.6	FBSB0010-1 ...				1
23	bottom hinge	Ref. PDB, FBEL01				1
24	filling piece H timber	Ref. PDB, FBFS				1
25	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...		1
26	bottom hinge pin diam.7	FBLB0060-1 ...				1
27	reb.corner hinge H timber	Ref. PDB, FBFE01				1
28	distance piece H timber	Ref. PDB, FBDS				1
29	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...		1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...		1



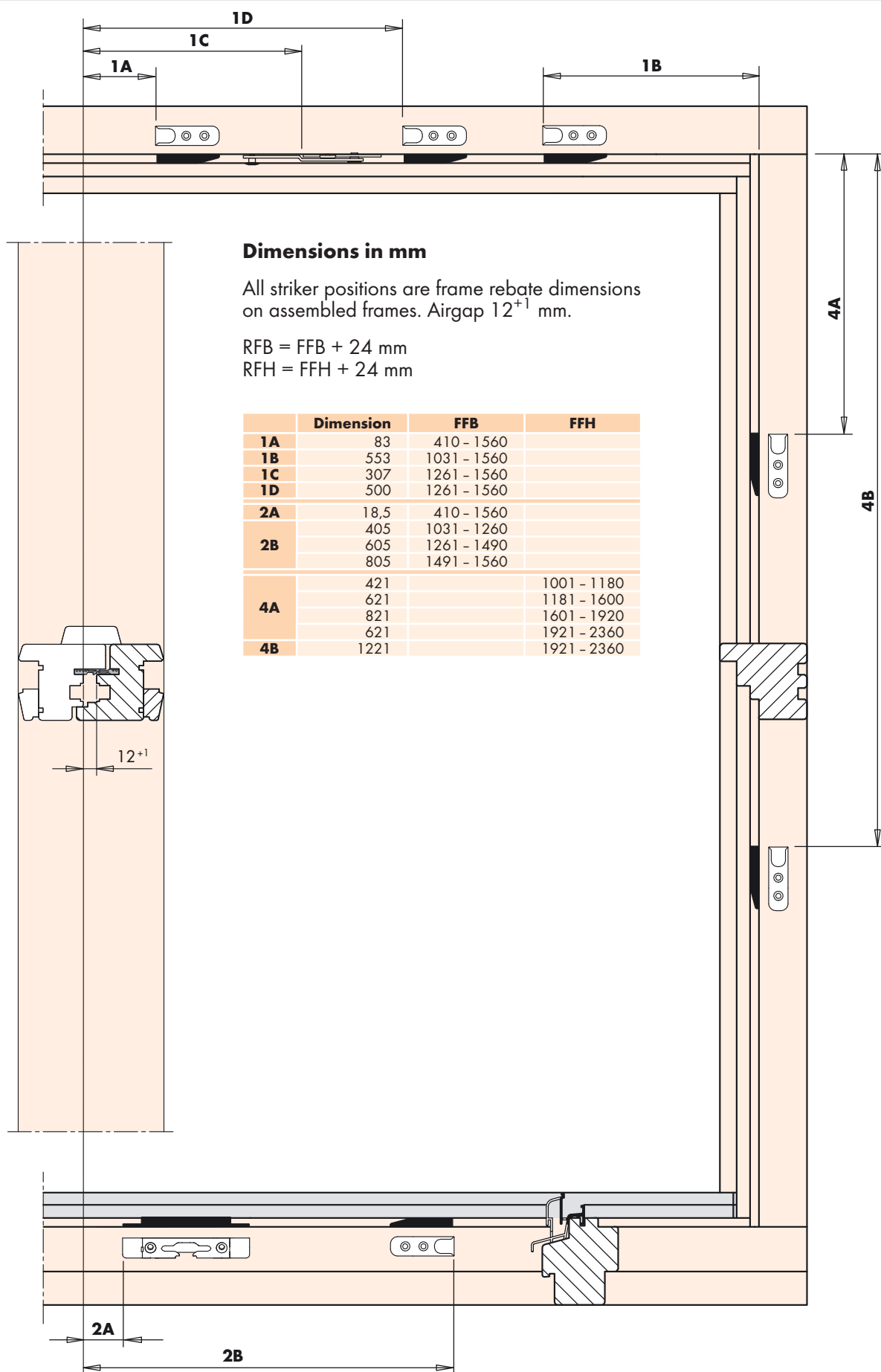


Frame dimensions main sash

2-sash square tilt-turn/turn DSG gear
H12 GM Hinge side Si-line

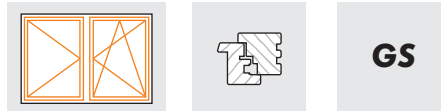
FAVORIT

GS



FAVORIT

Installation instructions



2-sash square tilt-turn/turn shoot bolt

timber 12 mm

basic security

centre handle pos. (variable)

Hinge side Si-line

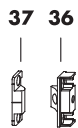
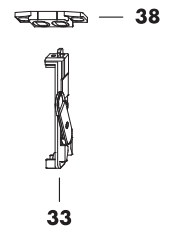
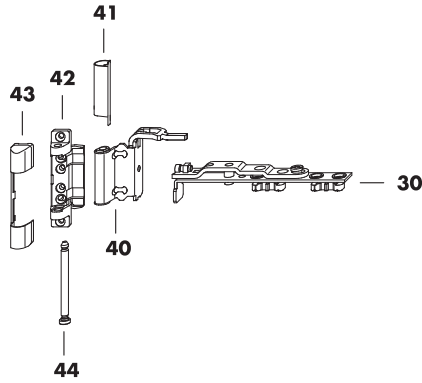
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).



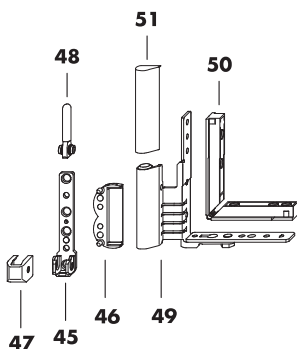
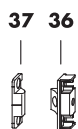
Size range

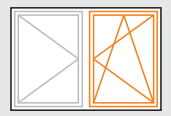
		Window/door
FFB	(mm)	230-1030
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



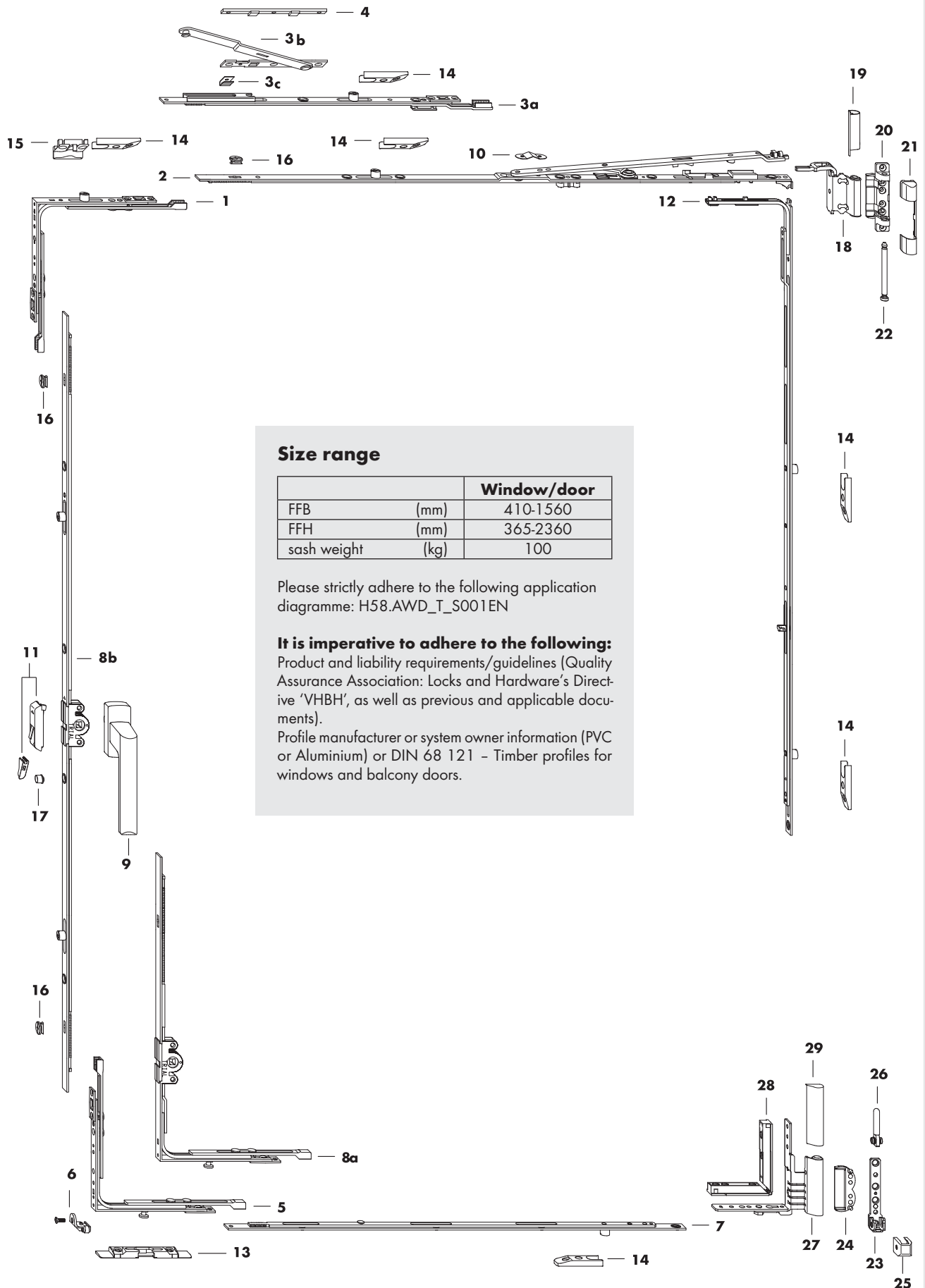


hardware layout main sash

2-sash square tilt-turn/turn shoot bolt
H12 GM Hinge side Si-line

FAVORIT

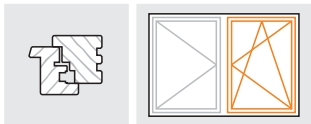
GS





Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.
						In the main sash	
30	stay 7 DF	707340	1	230 - 1030			
31	sash lift .. A2000	TFFH0010- ...	1	230 - 1030			
32	run-up FH/TiP	Ref. PDB, TRAL	1	230 - 1030			
33	short shoot bolt A2000	716236	2		365 - 2360		2
34	striker plate 56 A2000	TRSB0030- ...	1		1001 - 1180	500 - 590	
	striker plate 56 A2000	TRSB0030- ...			1181 - 1460	590 - 730	
	striker plate 56 A2000	TRSB0030- ...			1461 - 1920	730 - 960	
	striker plate 56 A2000	TRSB0030- ...		2	1921 - 2360	960 - 1180	
35	stop	Ref. PDB, FRZF04	1		1921 - 2360		
36	sash part MV	Ref. PDB, ZFMV01	1		1001 - 1600		
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360		
37	frame part MV	Ref. PDB, ZRZM01	1		1001 - 1600		
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360		
38	striker V	Ref. PDB, FRZV01					
on request							
39	snapper A2000	709313	1		1921 - 2360		

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
40	stay hinge	Ref. PDB, FBWB			1
41	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
42	top hinge S	Ref. PDB, FBSL02			1
43	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
44	top hinge pin diam.6	FBSB0010-1 ...			1
45	bottom hinge	Ref. PDB, FBEL01			1
46	filling piece H timber	Ref. PDB, FBFS			1
47	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
48	bottom hinge pin diam.7	FBLB0060-1 ...			1
49	reb.corner hinge H timber	Ref. PDB, FBFE01			1
50	distance piece H timber	Ref. PDB, FBDS			1
51	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



List of fittings main sash

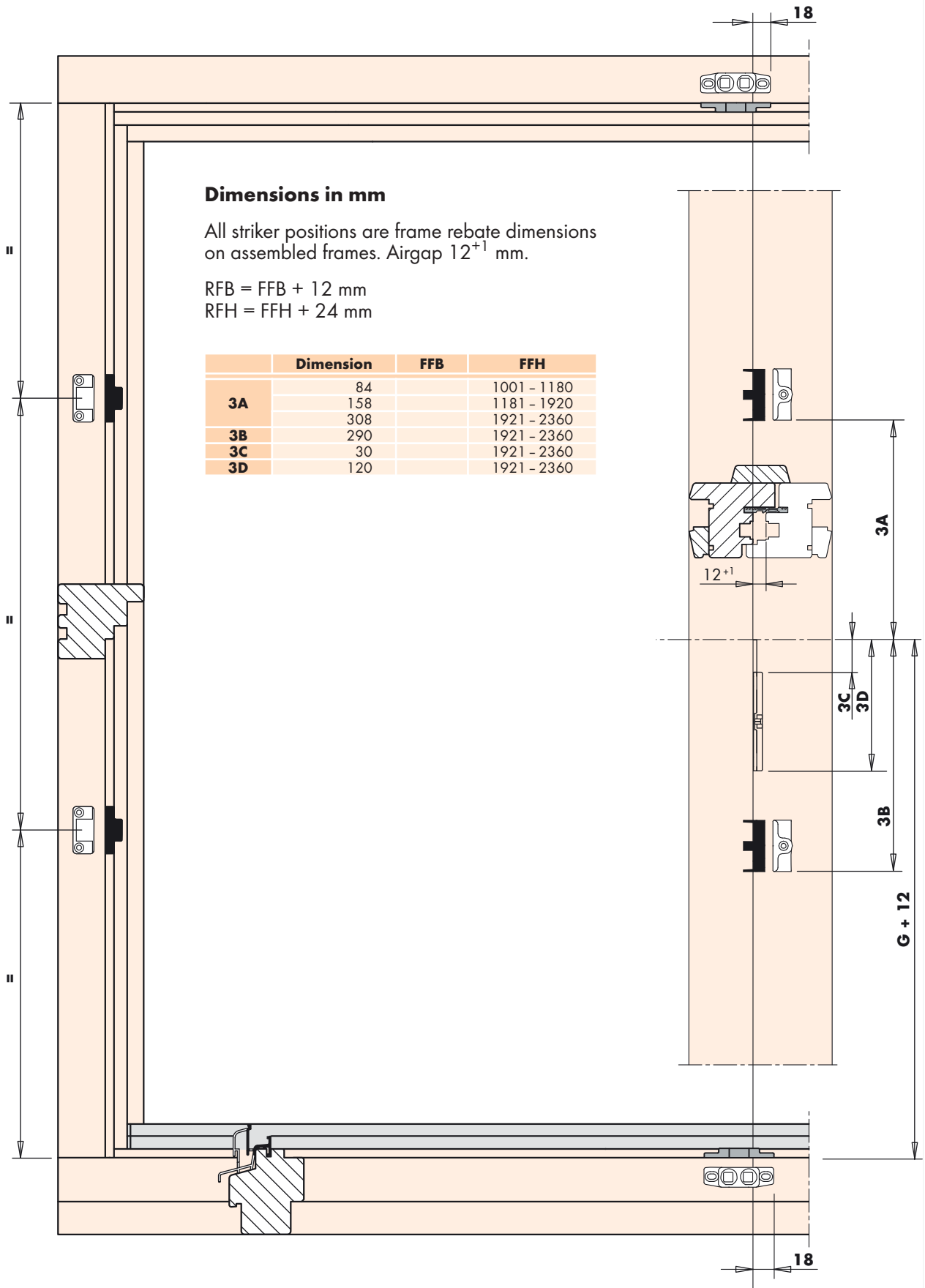
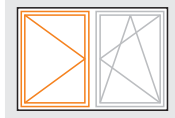
2-sash square tilt-turn/turn shoot bolt
H12 GM Hinge side Si-line

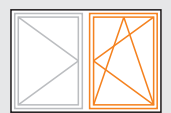
FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							13	14
1	corn.drive VSO ..	FEUL0230- ...	1	410 - 1560				1
2	stay 7 sz 30	707302	1	410 - 620				
	stay 7 sz 35 MV	707319		621 - 800				
	stay 7 sz 50 MV	707326		801 - 1030				
	stay 7 sz 55 MV	707333		1031 - 1260				1
	stay 7 sz 50 MV	707326		1261 - 1490				1
	stay 7 sz 55 MV	707333		1491 - 1560				1
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	410 - 1560	481 - 2360		1	
6	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560				
7	centre lock sz 50	700969	1	1031 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...		431 - 480	190	1		
8b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...		681 - 1180	340 - 590			
	gear 3 sz 2 MV	FGMK3080- ...		1181 - 1460	590 - 730			
	gear 3 sz 3 MV	FGMK3090- ...		1461 - 1920	730 - 960			
	gear 3 sz 4 TL	FGMK3100- ...		1921 - 2360	960 - 1180			
9	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
10	tilt restrictor	805701	1		365 - 750			
11	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
12	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		1001 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1181 - 1600			1	
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1601 - 1920			1	
	corn.drive BS sz 130	703045		1921 - 2360			2	
13	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
14	striker plate 56	Ref. PDB, FRSB						
on request								
15	frame part SP-S	Ref. PDB, FRZL01	1					
16	location piece	702543	3					
17	sleeve KRL	Ref. PDB, FFHU01	1		1921 - 2360			

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
18	stay hinge	Ref. PDB, FBWB			1
19	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
20	top hinge S	Ref. PDB, FBSL02			1
21	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
22	top hinge pin diam.6	FBSB0010-1 ...			1
23	bottom hinge	Ref. PDB, FBEL01			1
24	filling piece H timber	Ref. PDB, FBFS			1
25	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
26	bottom hinge pin diam.7	FBLB0060-1 ...			1
27	reb.corner hinge H timber	Ref. PDB, FBFE01			1
28	distance piece H timber	Ref. PDB, FBDS			1
29	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



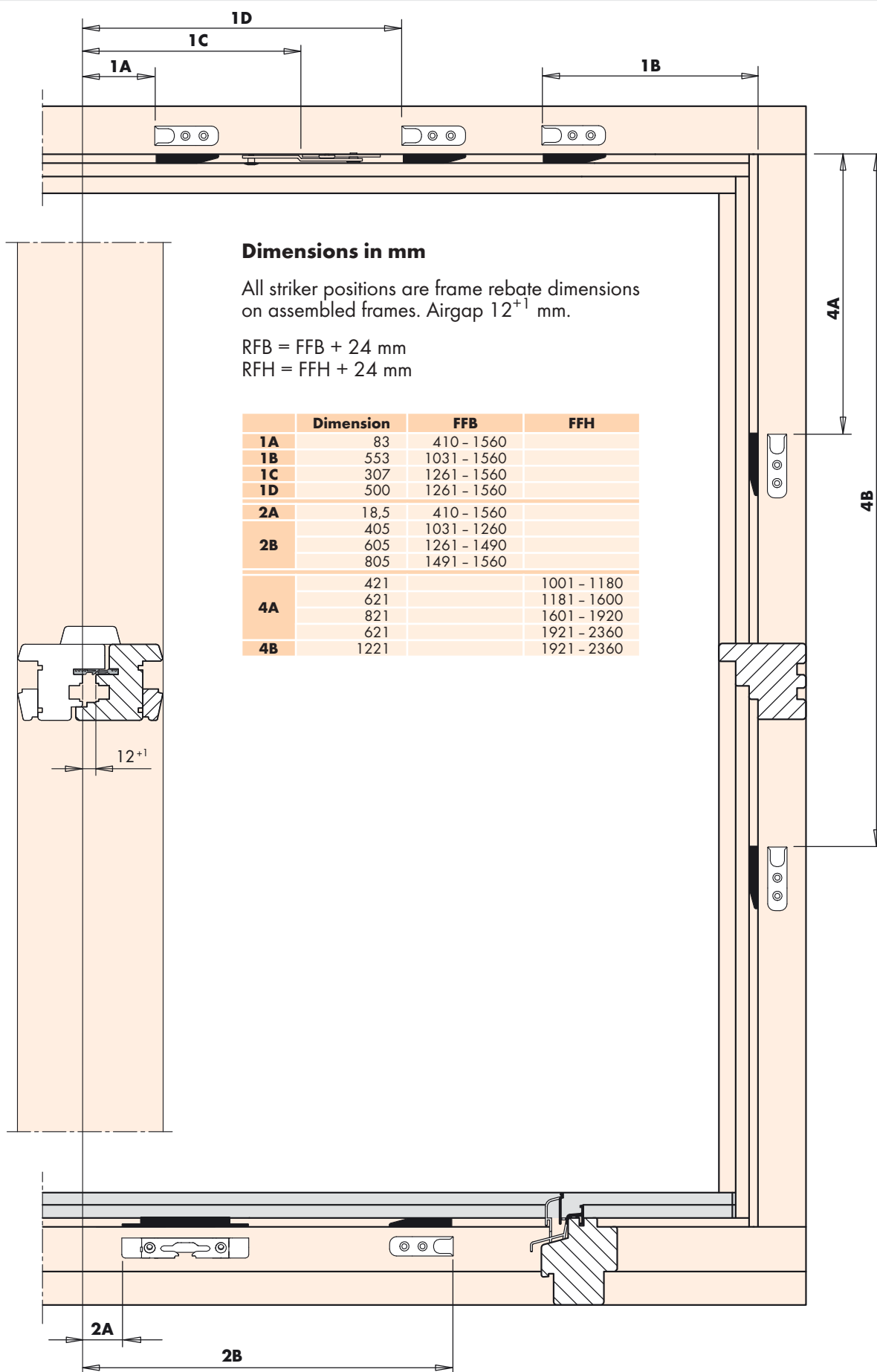


Frame dimensions main sash

2-sash square tilt-turn/turn shoot bolt
H12 GM Hinge side Si-line

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GS



FAVORIT

Installation instructions

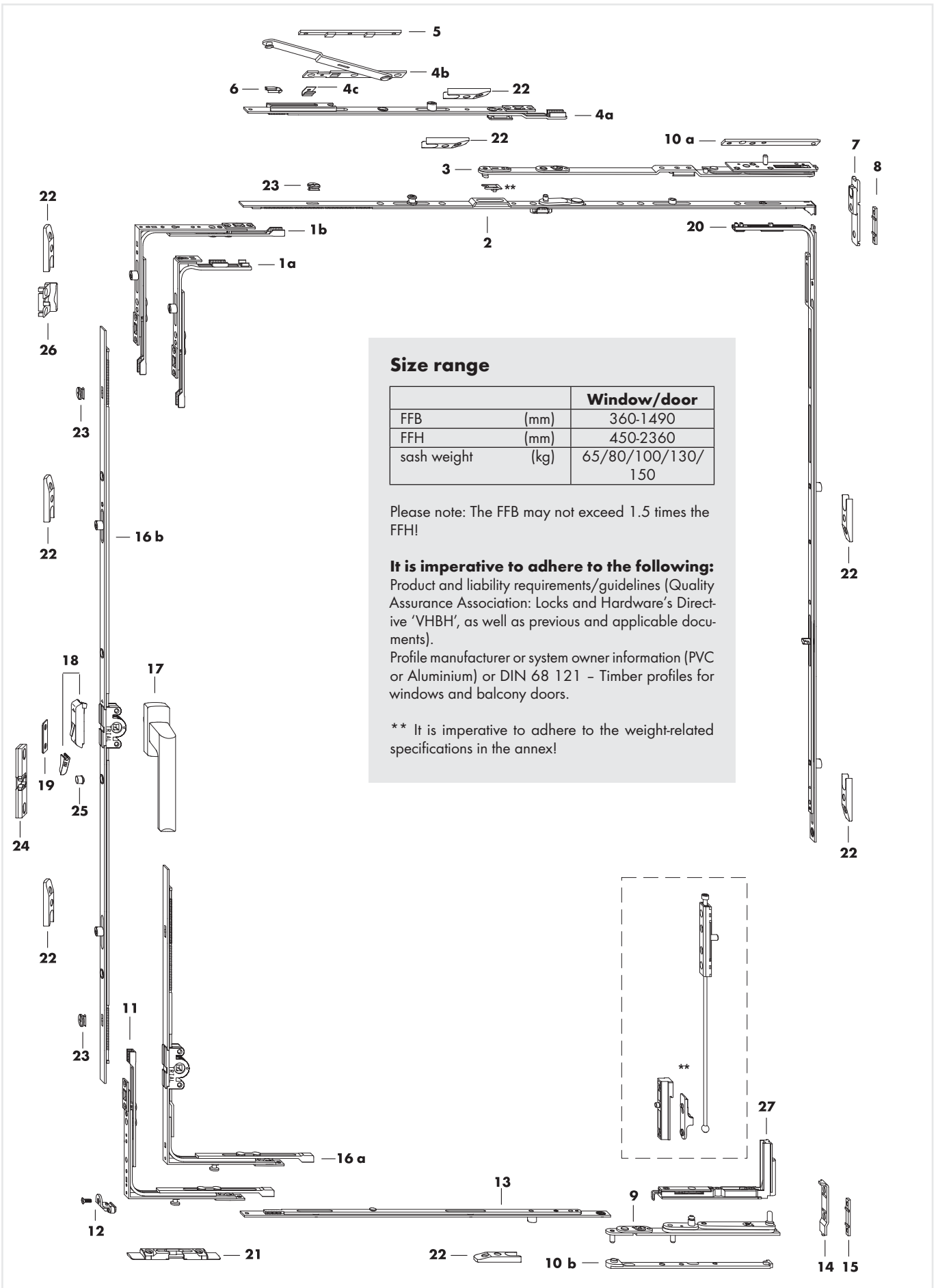
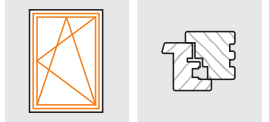


*1-sash square tilt-turn
timber 12 mm
basic security
centre handle pos. (variable)
Hinge side V-V
surface TS
backset 16 mm*

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Stay side</i>	<i>two-piece stay</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>

This document was compiled using the SIEGENIA hardware software (BEO).





List of fittings

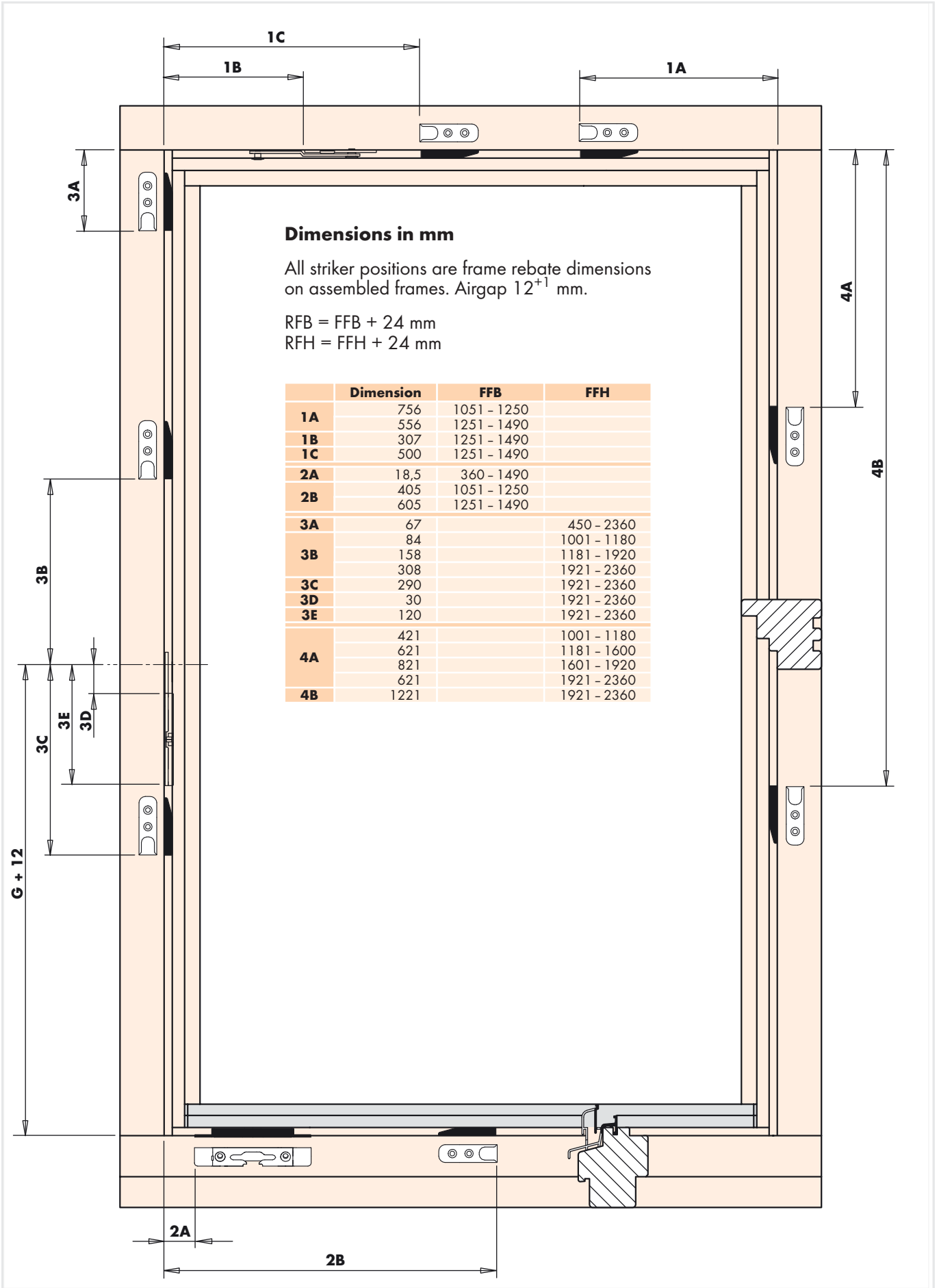
1-sash square tilt-turn
H12 GM Hinge side V-V

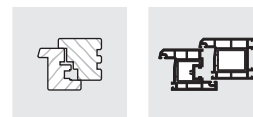
FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							21	22
1a	corn.drive narrow VSO	702925	1	360 - 480				1
1b	corn.drive VSO ..	FEUL0230- ...	1	481 - 1490				1
2	stay sash part F2 V-V sz 1	TSSV0210- ...	1	360 - 650				
	stay sash part F2 V-V 2/3 1RS	TSSV0250- ...		651 - 850				
	stay sash part F2 V-V sz 4 1RS	TSSV0260- ...		851 - 1050				
	stay sash part F2 V-V sz 5 1RS	TSSV0270- ...		1051 - 1250				1
	stay sash part F2 V-V sz 4 1RS	TSSV0260- ...		1251 - 1490				1
3	stay arm V-V sz.1	Ref. PDB, TSAV01	1	360 - 650				
	stay arm V-V sz.2+3	Ref. PDB, TSAV02		651 - 850				
	stay arm V-V sz.4	Ref. PDB, TSAV04		851 - 1050				
	stay arm V-V sz.5	Ref. PDB, TSAV05		1051 - 1250				
	stay arm V-V sz.4	Ref. PDB, TSAV04		1251 - 1490				
4	crt.additional stay	Ref. PDB, FMZS01	1	1251 - 1490				
5	packer Z	Ref. PDB, FRUPO1	1	1251 - 1490				
6	filt restr. additional stay	889008	1	1251 - 1490				
7	striker V-V BSO timber	TRZV0020- ...	1	360 - 1490				
8	packer RB/FPS	Ref. PDB, FRUPO2	1	360 - 1490				
9	bott.hinge V-V with stop	Ref. PDB, TMEV01	1	360 - 1490				
10	accessories V-V	Ref. PDB, TMZV	1	360 - 1490				
11	corn.drive VS S-ES	FEUL0090- ...	1	360 - 1490	481 - 2360		1	
12	sash lift S-ES	Ref. PDB, FMFH	1	360 - 1490				
13	centre lock sz 50	700969	1	1051 - 1250				1
	centre lock sz 70	700976		1251 - 1490				1
14	hinge support V-V	Ref. PDB, TRZK01	1	360 - 1490				
15	packer hinge suppoprt V-V	Ref. PDB, TRUV01	1	360 - 1490				
16a	gear 23 S-ES sz 50/G190	FGKK3160- ...	1		450 - 480	190	1	
16b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...		681 - 1000	340 - 500			
	gear 3 sz 1a MV	FGMK3070- ...		1001 - 1180	500 - 590			1
	gear 3 sz 2 MV	FGMK3080- ...		1181 - 1460	590 - 730			1
	gear 3 sz 3 MV	FGMK3090- ...		1461 - 1920	730 - 960			1
gear 3 sz 4 TL	FGMK3100- ...	1921 - 2360	960 - 1180			2		
17	handle Si-line	Ref.access. ZHSS	1		450 - 2360			
18	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
19	stop	Ref. PDB, FRZF01	1		1921 - 2360			
20	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		1001 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1181 - 1600				1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1601 - 1920				1
	corn.drive BS sz 130	703045		1921 - 2360				2
21	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
22	striker plate 56	Ref. PDB, FRSB						
on request								
23	location piece	702543	3					
24	snapper	Ref. PDB, FRZB	1		1921 - 2360			
25	sleeve	Ref. PDB, FFHU	1		1921 - 2360			
26	frame part SPS	Ref. PDB, FRZL01	1					

Hinge side turning points									
Pos.	Description	Part number	required as per sash weight						
			surface TS						
			65 kg	80 kg	100 kg	130 kg	150 kg		
27	corner hinge V-V 12/	TBEB0020-1 ...	1	1	1	1	1		





Version	V-V 18 Bottom hinge and stay arm V-V 18	V-V 22 Bottom hinge and stay arm V-V 22 and version A3060	V-V 29 Bottom hinge and stay arm V-V 29 and version A1860
without additional component Corresponding application diagram	65 kg H58.AWD_T_S010	80 kg H58.AWD_T_S013	100 kg H58.AWD_T_S018
with additional component in window format Corresponding application diagram	80 kg H58.AWD_T_S011	100 kg H58.AWD_T_S014	
with additional component in door format Corresponding application diagram	100 kg H58.AWD_T_S012	130 kg H58.AWD_T_S017	150 kg H58.AWD_T_S015

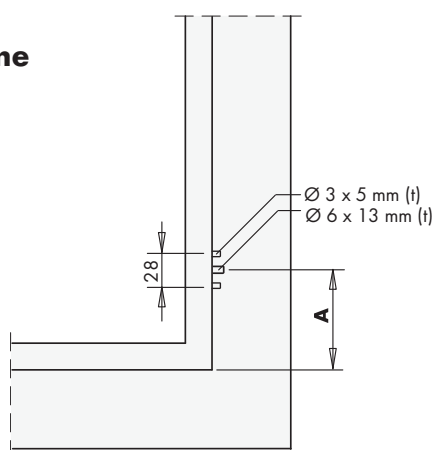
Basic security			
FFH/FFB (mm)	Part number	Description	Drilling position Dimension A
Requirements of SRH (mm)			
1001-3000	TBAV0030-_____	Top hinge V-V heavy-duty	
	TFFS0010-_____	Filling piece V-V heavy-duty	
	TBAV0020-_____	Additional component V-V heavy-duty size 2	350 mm
Requirements of SRW (mm)			
650-1050	TFKB0040-_____	*) Tilt restrictor V-V size .2-4	
1051-1250	TFKB0050-_____	*) Tilt restrictor V-V size 5	

RC1 and RC2			
FFH/FFB (mm)	Part number	Description	Drilling position Dimension A
Requirements of SRH (mm)			
1001-3000	TBAV0030-_____	Top hinge V-V heavy-duty	
	TBAV0020-_____	Additional component V-V heavy-duty size 2	540 mm
Requirements of SRW (mm)			
650-1050	TFKB0040-_____	*) Tilt restrictor V-V size .2-4	
1051-1250	TFKB0050-_____	*) Tilt restrictor V-V size 5	

Jig			
FFH/FFB (mm)	Part number	Description	
	TABL0250-_____	Jig additional component V-V heavy-duty	
	TABL0080-_____	Jig V-V heavy-duty sash	

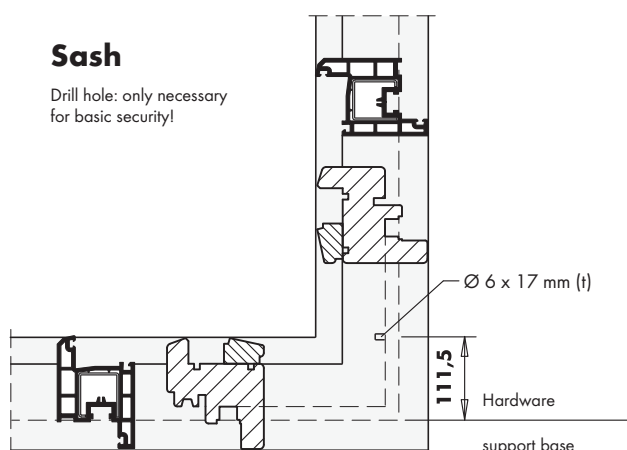
*) When using the tilt restrictor V-V, a separate mishandling device is required!

Frame



Sash

Drill hole: only necessary for basic security!



Please observe:

Guidelines/information on the product and on liability (VHBH directive as well as the other applicable documents listed - Directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Timber profiles for windows and French windows"

Additional components heavy-duty



Part number TBAV0030-.....
 Top hinge V-V heavy-duty with clamping spring
 The clamping spring is required only with RC1 and RC2
 in combination with TVSL...



Part number TFFS0010-.....
 Filling piece V-V heavy-duty
 (is only used for basic security)



Part number
 TBAV0020-..... size 2
 Additional component V-V heavy-duty



Part number
 TFKB0040-..... size 2-4
 TFKB0050-..... size 5
 Tilt restrictor V-V

FAVORIT

Installation instructions



1-sash square tilt before turn (TBT)

timber 12 mm

basic security

centre handle pos. (variable)

Hinge side Si-line

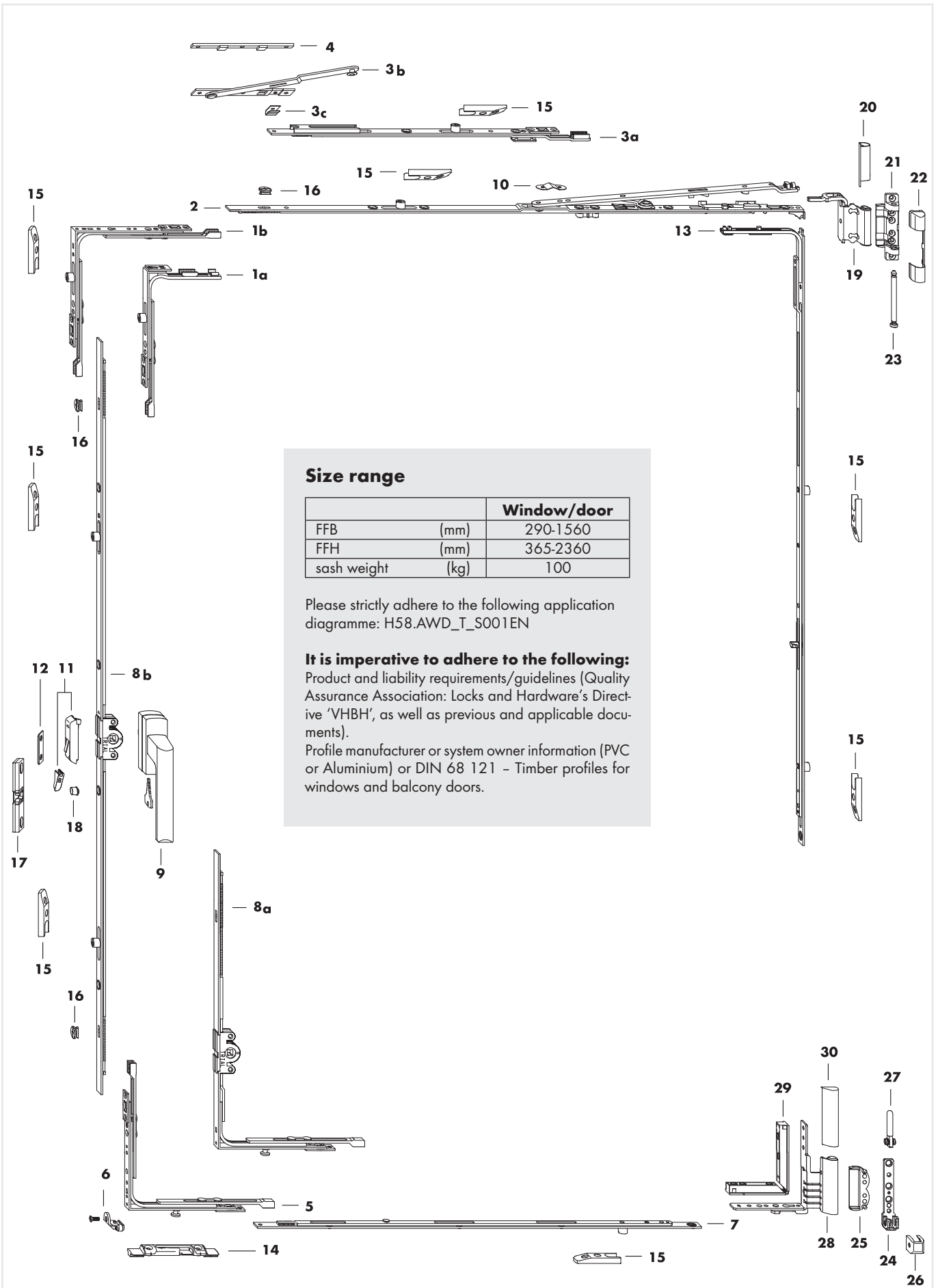
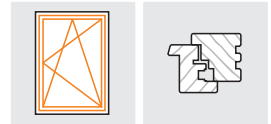
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).





List of fittings

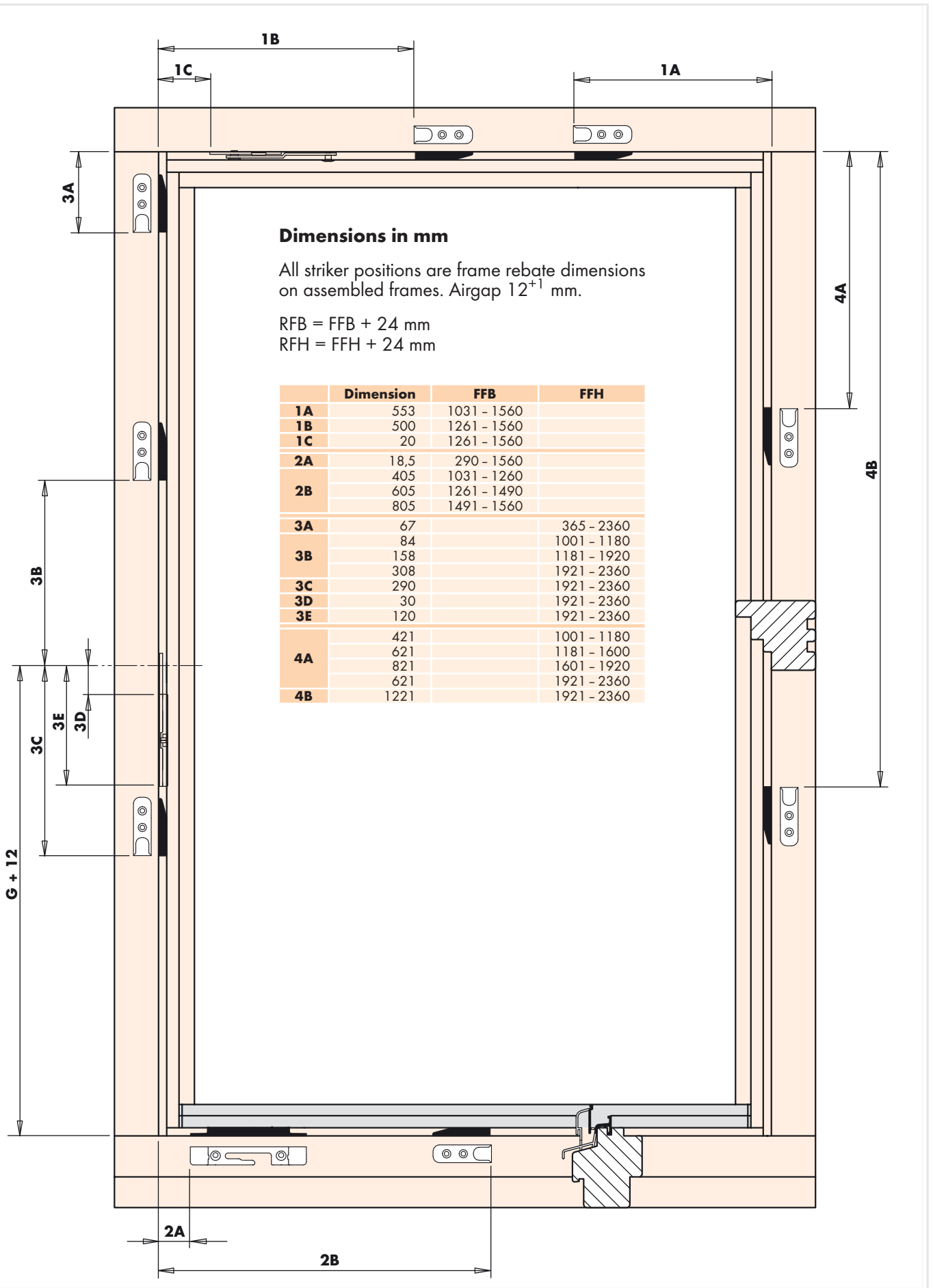
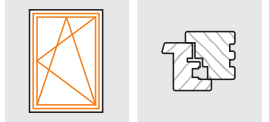
1-sash square tilt before turn (TBT)
H12 GM Hinge side Si-line

FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							14	15
1a	corn.drive narrow VSO	702925	1	290 - 410				1
1b	corn.drive VSO ..	FEUL0230- ...	1	411 - 1560				1
2	stay 7 TBT sz 30	707357	1	290 - 620				
	stay 7 TBT sz 35 MV	707364		621 - 800				
	stay 7 TBT sz 50 MV	707371		801 - 1030				
	stay 7 TBT sz 55 MV	707388		1031 - 1260				1
	stay 7 TBT sz 50 MV	707371		1261 - 1490				1
	stay 7 TBT sz 55 MV	707388		1491 - 1560				1
3	crt.additional stay TBT	Ref. PDB, FMZS02	1	1261 - 1560				1
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560				
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	481 - 2360		1	
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560				
7	centre lock sz 50	700969	1	1031 - 1260				1
	centre lock sz 70	700976		1261 - 1490				1
	centre lock sz 90	700983		1491 - 1560				1
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 480	190	1	
8b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1000	340 - 500		
	gear 3 sz 1a MV	FGMK3070- ...			1001 - 1180	500 - 590		1
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730		1
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960		1
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180		2
9	handle Si-line TBT lockable	Ref.access. ZHST	1		365 - 2360			
10	filt restrictor	805701	1		365 - 750			
11	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
12	stop	Ref. PDB, FRZF01	1		1921 - 2360			
13	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		1001 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...			1181 - 1600			1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...			1601 - 1920			1
	corn.drive BS sz 130	703045			1921 - 2360			2
14	tilt lock bear. S-ES FH TBT	Ref. PDB, FRKB						
15	striker plate 56	Ref. PDB, FRSB						
on request								
16	location piece	702543	3					
17	snapper	Ref. PDB, FRZB	1		1921 - 2360			
18	sleeve	Ref. PDB, FFHU	1		1921 - 2360			

Hinge side turning points						
Pos.	Description	Part number	Part number			required as per sash weight 100 kg
			surface TS	RAL9003	RAL8019	
19	stay hinge	Ref. PDB, FBWB				1
20	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...		1
21	top hinge S	Ref. PDB, FBSL02				1
22	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...		1
23	top hinge pin diam.6	FBSB0010-1 ...				1
24	bottom hinge	Ref. PDB, FBEL01				1
25	filling piece H timber	Ref. PDB, FBFS				1
26	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...		1
27	bottom hinge pin diam.7	FBLB0060-1 ...				1
28	reb.corner hinge H timber	Ref. PDB, FBFE01				1
29	distance piece H timber	Ref. PDB, FBDS				1
30	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...		1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...		1



FAVORIT

Installation instructions



1-sash square tilt before turn (TBT)

timber 12 mm

basic security

centre handle pos. (variable)

Hinge side V-V

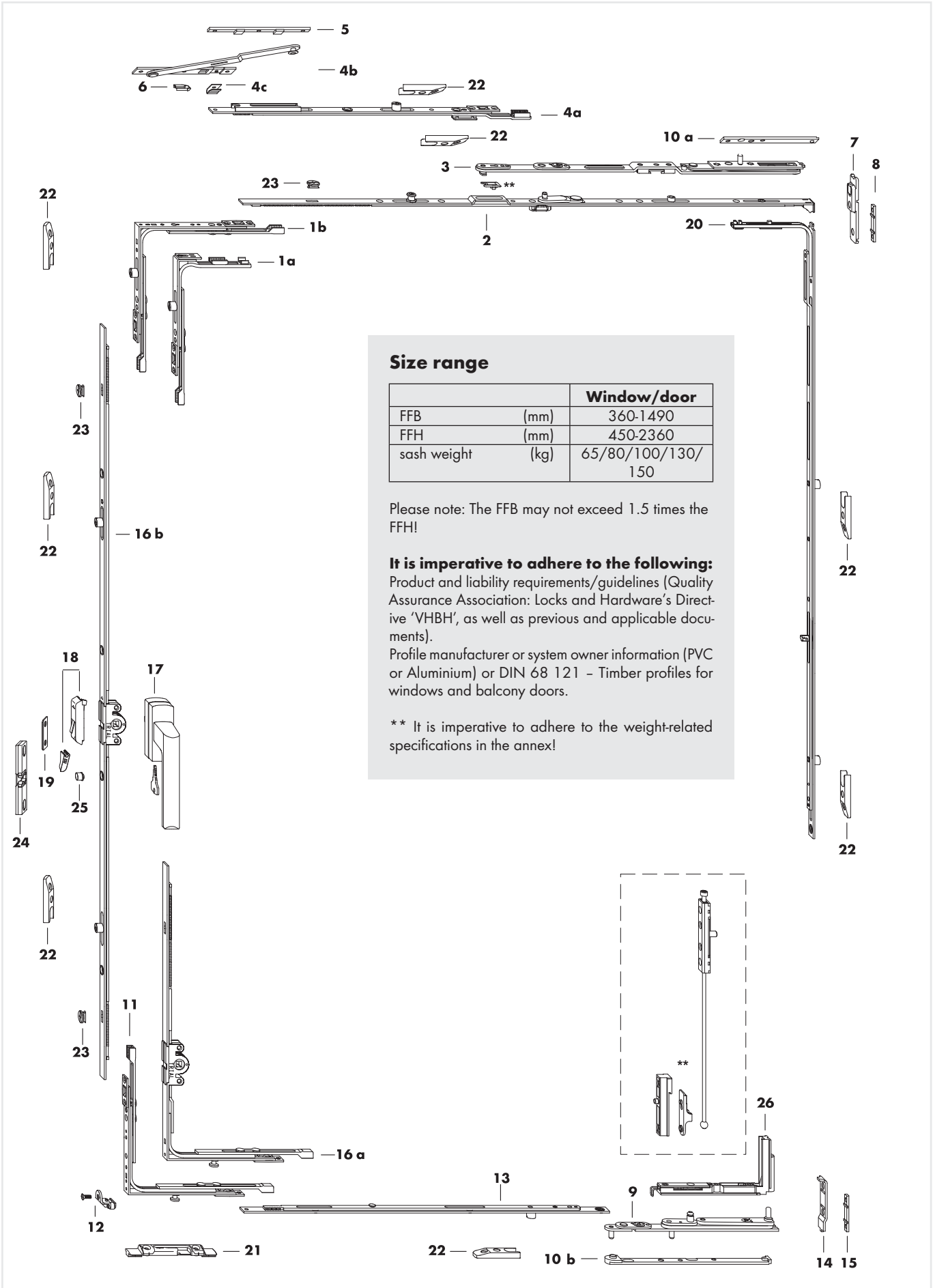
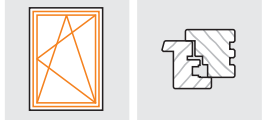
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Stay side</i>	<i>two-piece stay</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>

This document was compiled using the SIEGENIA hardware software (BEO).



Size range

		Window/door
FFB	(mm)	360-1490
FFH	(mm)	450-2360
sash weight	(kg)	65/80/100/130/ 150

Please note: The FFB may not exceed 1.5 times the FFH!

It is imperative to adhere to the following:
Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.

** It is imperative to adhere to the weight-related specifications in the annex!



List of fittings

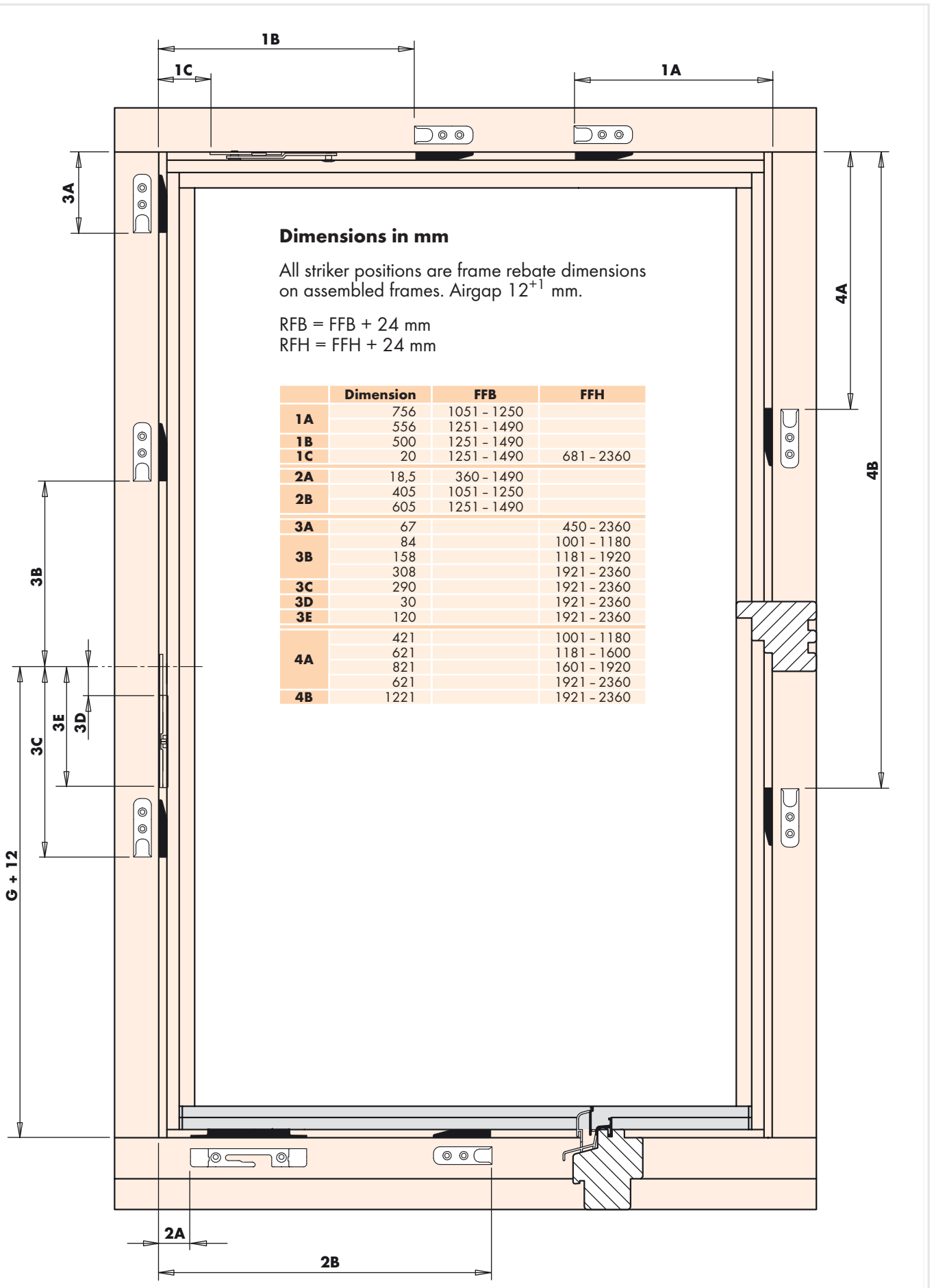
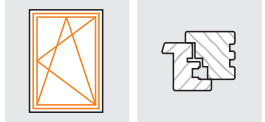
1-sash square tilt before turn (TBT)
H12 GM Hinge side V-V

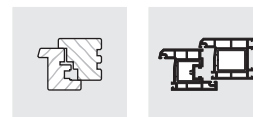
FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							21	22
1a	corn.drive narrow VSO	702925	1	360 - 480				1
1b	corn.drive VSO ..	FEUL0230- ...	1	481 - 1490				1
2	stay sash part F2 V-V sz 1	TSSV0210- ...	1	360 - 650				
	stay sash part F2 V-V 2/3 1RS	TSSV0250- ...		651 - 850				
	stay sash part F2 V-V sz 4 1RS	TSSV0260- ...		851 - 1050				
	stay sash part F2 V-V sz 5 1RS	TSSV0270- ...		1051 - 1250				1
	stay sash part F2 V-V sz 4 1RS	TSSV0260- ...		1251 - 1490				1
3	stay arm V-V sz.1 TBT	Ref. PDB, TSAV1 1	1	360 - 650				
	stay arm V-V sz.2+3 TBT	Ref. PDB, TSAV1 2		651 - 850				
	stay arm V-V sz.4 TBT	Ref. PDB, TSAV1 4		851 - 1050				
	stay arm V-V sz.5 TBT	Ref. PDB, TSAV1 5		1051 - 1250				
	stay arm V-V sz.4 TBT	Ref. PDB, TSAV1 4		1251 - 1490				
4	crt.additional stay TBT	Ref. PDB, FMZS02	1	1251 - 1490				
5	packer Z	Ref. PDB, FRUPO1	1	1251 - 1490				
6	filt restr. additional stay	889008	1	1251 - 1490				
7	striker V-V BSO timber	TRZV0020- ...	1	360 - 1490				
8	packer RB/FPS	Ref. PDB, FRUPO2	1	360 - 1490				
9	bott.hinge V-V with stop	Ref. PDB, TMEV01	1	360 - 1490				
10	accessories V-V	Ref. PDB, TMZV	1	360 - 1490				
11	corn.drive VS S-ES	FEUL0090- ...	1	360 - 1490	481 - 2360		1	
12	sash lift S-ES	Ref. PDB, FMFH	1	360 - 1490				
13	centre lock sz 50	700969	1	1051 - 1250				1
	centre lock sz 70	700976		1251 - 1490				1
14	hinge support V-V	Ref. PDB, TRZK01	1	360 - 1490				
15	packer hinge support V-V	Ref. PDB, TRUV01	1	360 - 1490				
16a	gear 23 S-ES sz 50/G190	FGKK3160- ...	1		450 - 480	190	1	
16b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...		681 - 1000	340 - 500			
	gear 3 sz 1a MV	FGMK3070- ...		1001 - 1180	500 - 590			1
	gear 3 sz 2 MV	FGMK3080- ...		1181 - 1460	590 - 730			1
	gear 3 sz 3 MV	FGMK3090- ...		1461 - 1920	730 - 960			1
gear 3 sz 4 TL	FGMK3100- ...	1921 - 2360	960 - 1180			2		
17	handle Si-line TBT lockable	Ref.access. ZHST	1		450 - 2360			
18	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360			
19	stop	Ref. PDB, FRZF01	1		1921 - 2360			
20	corn.drive VSU BS sz 50 1V	FEUL2070- ...	1		1001 - 1180			1
	corn.drive VSU BS sz 70 1V	FEUL2080- ...		1181 - 1600				1
	corn.drive VSU BS sz 90 1V	FEUL2090- ...		1601 - 1920				1
	corn.drive BS sz 130	703045		1921 - 2360				2
21	tilt lock bear. S-ES FH TBT	Ref. PDB, FRKB						
22	striker plate 56	Ref. PDB, FRSB						
on request								
23	location piece	702543	3					
24	snapper	Ref. PDB, FRZB	1		1921 - 2360			
25	sleeve	Ref. PDB, FFHU	1		1921 - 2360			

Hinge side turning points									
Pos.	Description	Part number	required as per sash weight						
			surface TS						
			65 kg	80 kg	100 kg	130 kg	150 kg		
26	corner hinge V-V 12/	TBEB0020-1 ...	1	1	1	1	1		





Version	V-V 18 Bottom hinge and stay arm V-V 18	V-V 22 Bottom hinge and stay arm V-V 22 and version A3060	V-V 29 Bottom hinge and stay arm V-V 29 and version A1860
without additional component Corresponding application diagram	65 kg H58.AWD_T_S010	80 kg H58.AWD_T_S013	100 kg H58.AWD_T_S018
with additional component in window format Corresponding application diagram	80 kg H58.AWD_T_S011	100 kg H58.AWD_T_S014	
with additional component in door format Corresponding application diagram	100 kg H58.AWD_T_S012	130 kg H58.AWD_T_S017	150 kg H58.AWD_T_S015

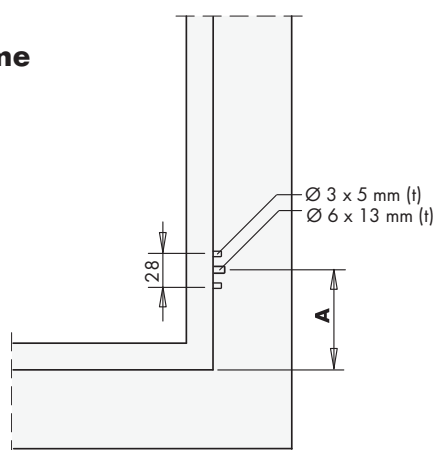
Basic security			
FFH/FFB (mm)	Part number	Description	Drilling position Dimension A
Requirements of SRH (mm)			
1001-3000	TBAV0030-_____	Top hinge V-V heavy-duty	
	TFFS0010-_____	Filling piece V-V heavy-duty	
	TBAV0020-_____	Additional component V-V heavy-duty size 2	350 mm
Requirements of SRW (mm)			
650-1050	TFKB0040-_____	*) Tilt restrictor V-V size .2-4	
1051-1250	TFKB0050-_____	*) Tilt restrictor V-V size 5	

RC1 and RC2			
FFH/FFB (mm)	Part number	Description	Drilling position Dimension A
Requirements of SRH (mm)			
1001-3000	TBAV0030-_____	Top hinge V-V heavy-duty	
	TBAV0020-_____	Additional component V-V heavy-duty size 2	540 mm
Requirements of SRW (mm)			
650-1050	TFKB0040-_____	*) Tilt restrictor V-V size .2-4	
1051-1250	TFKB0050-_____	*) Tilt restrictor V-V size 5	

Jig			
FFH/FFB (mm)	Part number	Description	
	TABL0250-_____	Jig additional component V-V heavy-duty	
	TABL0080-_____	Jig V-V heavy-duty sash	

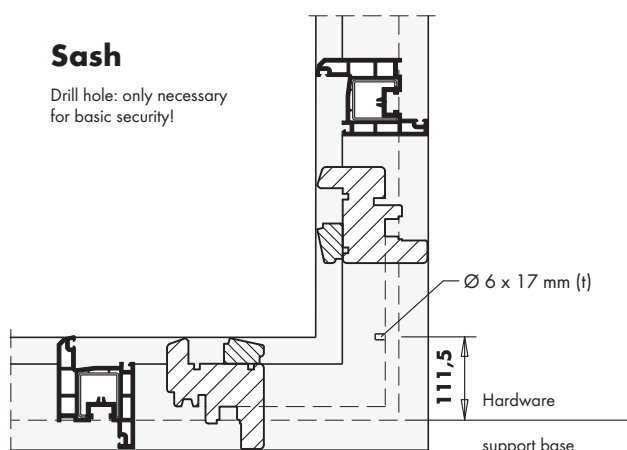
*) When using the tilt restrictor V-V, a separate mishandling device is required!

Frame



Sash

Drill hole: only necessary for basic security!



Please observe:

Guidelines/information on the product and on liability (VHBH directive as well as the other applicable documents listed - Directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)
 Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Timber profiles for windows and French windows"

Additional components heavy-duty



Part number TBAV0030-.....
 Top hinge V-V heavy-duty with clamping spring
 The clamping spring is required only with RC1 and RC2
 in combination with TVSL...



Part number TFFS0010-.....
 Filling piece V-V heavy-duty
 (is only used for basic security)



Part number
 TBAV0020-..... size 2
 Additional component V-V heavy-duty



Part number
 TFKB0040-..... size 2-4
 TFKB0050-..... size 5
 Tilt restrictor V-V

FAVORIT

Installation instructions

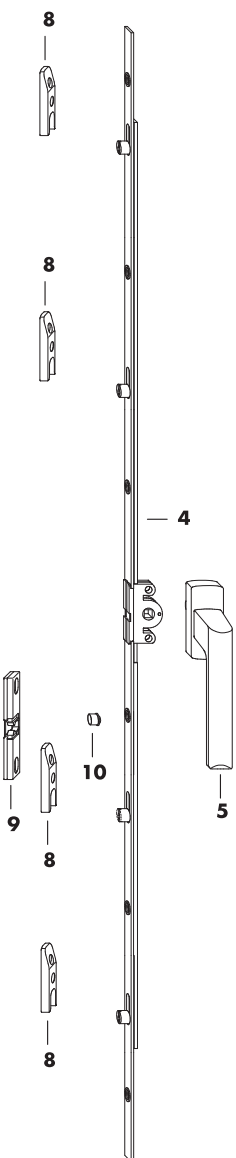
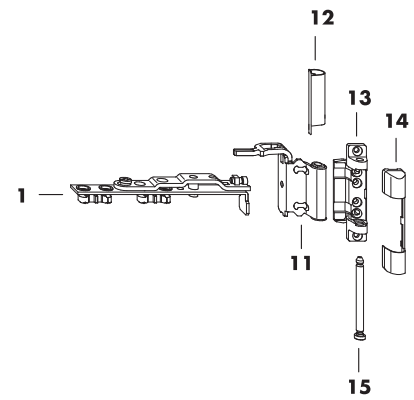
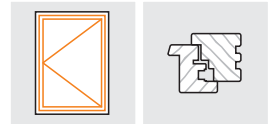


*1-sash square turn
timber 12 mm
basic security
centre handle pos. (variable)
Hinge side Si-line
surface TS
backset 16 mm*

Hardware set configuration

<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>
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This document was compiled using the SIEGENIA hardware software (BEO).



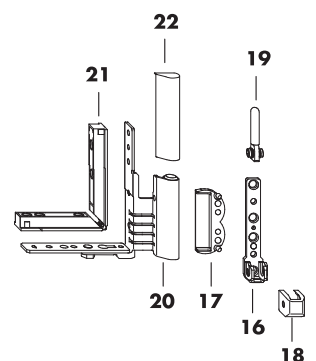
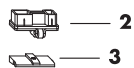
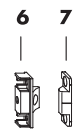
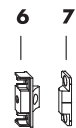
Size range

		Window/door
FFB	(mm)	290-1030
FFH	(mm)	200-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.





List of fittings

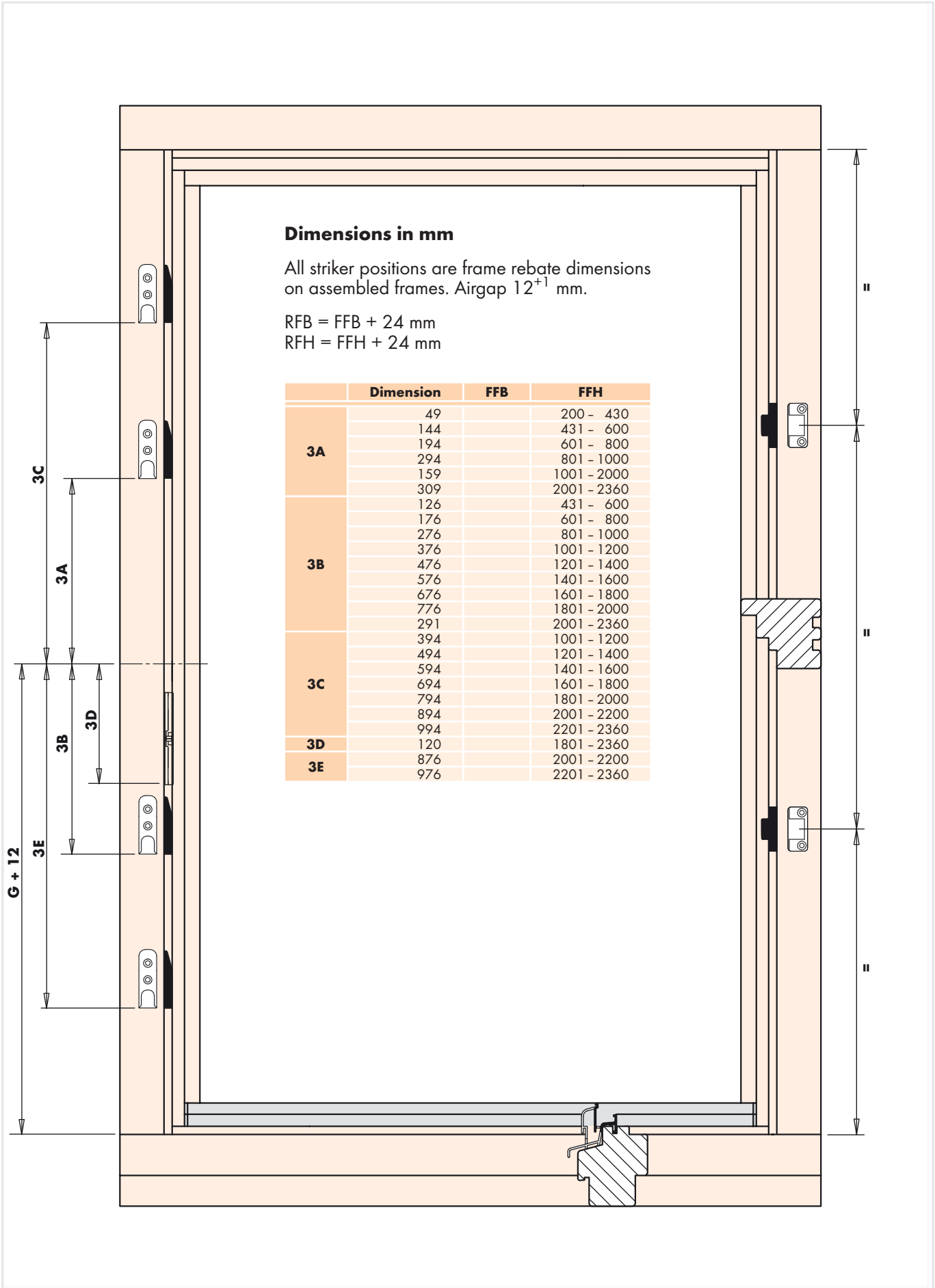
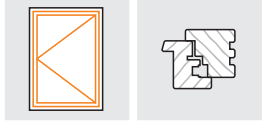
1-sash square turn
H12 GM Hinge side Si-line

FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.
1	stay 7 DF	707340	1	290 - 1030			8
2	sash lift .. A2000	TFFH0010- ...	1	290 - 1030			
3	run-up FH/TiP	Ref. PDB, TRAL	1	290 - 1030			
4	gear DF 3 sz 40	701218	1		200 - 430	100 - 215	1
	gear DF 3 sz 60	701225			431 - 600	215 - 300	2
	gear DF 3 sz 80	701232			601 - 800	300 - 800	2
	gear DF 3 sz 100	701249			801 - 1000	400 - 500	2
	gear DF 3 sz 120 MV	701256			1001 - 1200	500 - 600	3
	gear DF 3 sz 140 MV	701263			1201 - 1400	600 - 700	3
	gear DF 3 sz 160 MV	701270			1401 - 1600	700 - 800	3
	gear DF 3 sz 180 MV	701287			1601 - 1800	800 - 900	3
	gear DF 3 sz 200 MV	701294			1801 - 2000	900 - 1000	3
	gear DF 3 sz 220 TL	701300			2001 - 2200	1000 - 1100	4
gear DF 3 sz 240 TL	701317		2201 - 2360	1100 - 1180	4		
5	handle Si-line	Ref.access. ZHSS	1		200 - 2360		
6	sash part MV	Ref. PDB, ZFMV01	1		1001 - 1600		
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360		
7	frame part MV	Ref. PDB, ZRZM01	1		1001 - 1600		
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360		
8	striker plate 56	Ref. PDB, FRSB					
on request							
9	snapper	Ref. PDB, FRZB	1		1801 - 2360		
10	sleeve	Ref. PDB, FFHU	1		1801 - 2360		

Hinge side turning points						
Pos.	Description	Part number	Part number			required as per sash weight 100 kg
			surface TS	RAL9003	RAL8019	
11	stay hinge	Ref. PDB, FBWB				1
12	cover cap W timber			FKWB0020-002 ...	FKWB0020-011 ...	1
13	top hinge S	Ref. PDB, FBSL02				1
14	cover cap S			FKSL0010-002 ...	FKSL0010-011 ...	1
15	top hinge pin diam.6	FBSB0010-1 ...				1
16	bottom hinge	Ref. PDB, FBEL01				1
17	filling piece H timber	Ref. PDB, FBFS				1
18	cover cap EL U			FKEU0010-002 ...	FKEU0010-011 ...	1
19	bottom hinge pin diam.7	FBLB0060-1 ...				1
20	reb.corner hinge H timber	Ref. PDB, FBFE01				1
21	distance piece H timber	Ref. PDB, FBDS				1
22	cover cap FEB rh.			FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.			FKFE0012-002 ...	FKFE0012-011 ...	1



FAVORIT

Installation instructions

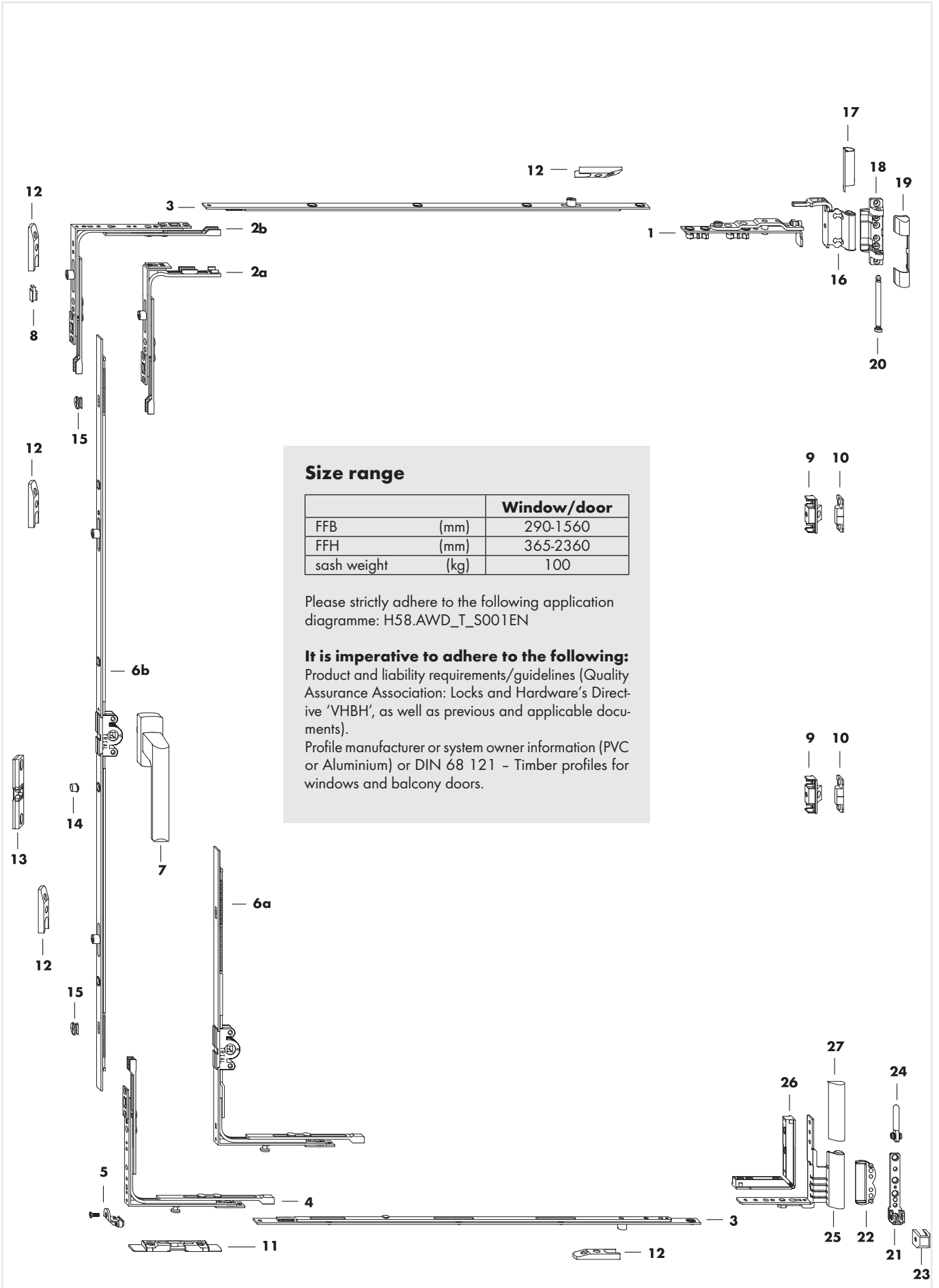
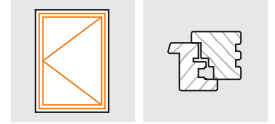


*1-sash square turn
timber 12 mm
basic security
centre handle pos. (variable)
Hinge side Si-line
surface TS
backset 16 mm*

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).



Size range

		Window/door
FFB	(mm)	290-1560
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



List of fittings

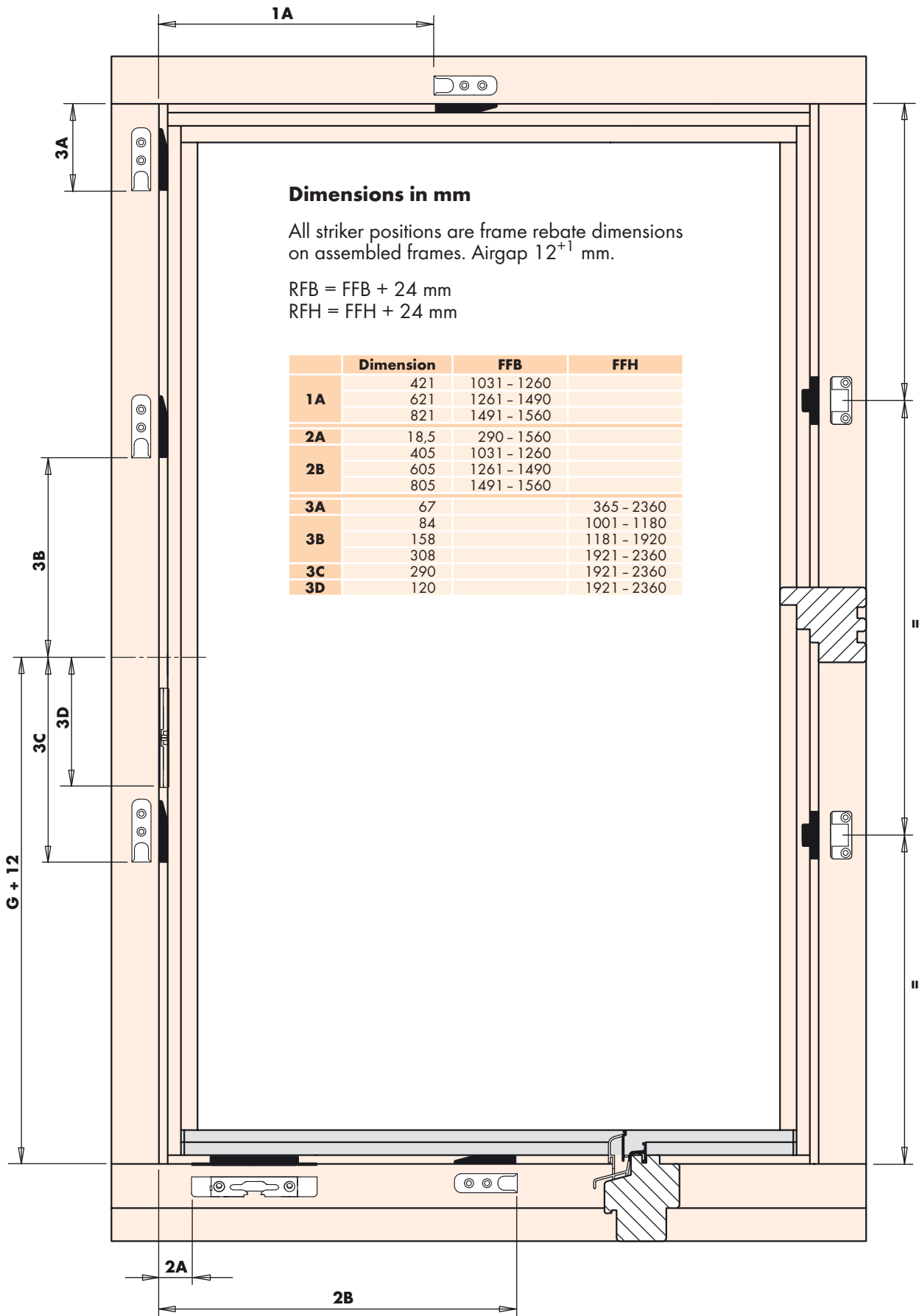
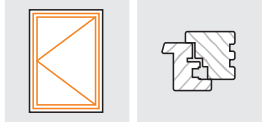
1-sash square turn
H12 GM Hinge side Si-line

FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							11	12
1	stay 7 DF	707340	1	290 - 1560				
2	corn.drive narrow VSO	702925	1	290 - 410				1
	corn.drive VSO ..	FEUL0230- ...		411 - 1560				1
3	centre lock sz 50	700969	2	1031 - 1260				2
	centre lock sz 70	700976		1261 - 1490				2
	centre lock sz 90	700983		1491 - 1560				2
4	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	481 - 2360		1	
5	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560				
6a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1	
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 480	190	1	
6b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1000	340 - 500		
	gear 3 sz 1a MV	FGMK3070- ...			1001 - 1180	500 - 590		1
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730		1
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960		1
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180		2
7	handle Si-line	Ref.access. ZHSS	1		365 - 2360			
8	travel restriction S-ES	891124	1		365 - 2360			
9	sash part MV	Ref. PDB, ZFMV01	1		1001 - 1600			
	sash part MV	Ref. PDB, ZFMV01	2		1601 - 2360			
10	frame part MV	Ref. PDB, ZRZM01	1		1001 - 1600			
	frame part MV	Ref. PDB, ZRZM01	2		1601 - 2360			
11	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
12	striker plate 56	Ref. PDB, FRSB						
on request								
13	snapper	Ref. PDB, FRZB	1		1921 - 2360			
14	sleeve	Ref. PDB, FFHU	1		1921 - 2360			
15	location piece	702543	2					

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
16	stay hinge	Ref. PDB, FBWB			1
17	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
18	top hinge S	Ref. PDB, FBLSL02			1
19	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
20	top hinge pin diam.6	FBSB0010-1 ...			1
21	bottom hinge	Ref. PDB, FBEL01			1
22	filling piece H timber	Ref. PDB, FBFS			1
23	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
24	bottom hinge pin diam.7	FBLB0060-1 ...			1
25	reb.corner hinge H timber	Ref. PDB, FBFE01			1
26	distance piece H timber	Ref. PDB, FBDS			1
27	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



Dimensions in mm

All striker positions are frame rebate dimensions on assembled frames. Airgap 12⁺¹ mm.

RFB = FFB + 24 mm
RFH = FFH + 24 mm

	Dimension	FFB	FFH
1A	421	1031 - 1260	
	621	1261 - 1490	
	821	1491 - 1560	
2A	18,5	290 - 1560	
	405	1031 - 1260	
2B	605	1261 - 1490	
	805	1491 - 1560	
3A	67		365 - 2360
	84		1001 - 1180
3B	158		1181 - 1920
	308		1921 - 2360
	290		1921 - 2360
3D	120		1921 - 2360

FAVORIT

Installation instructions

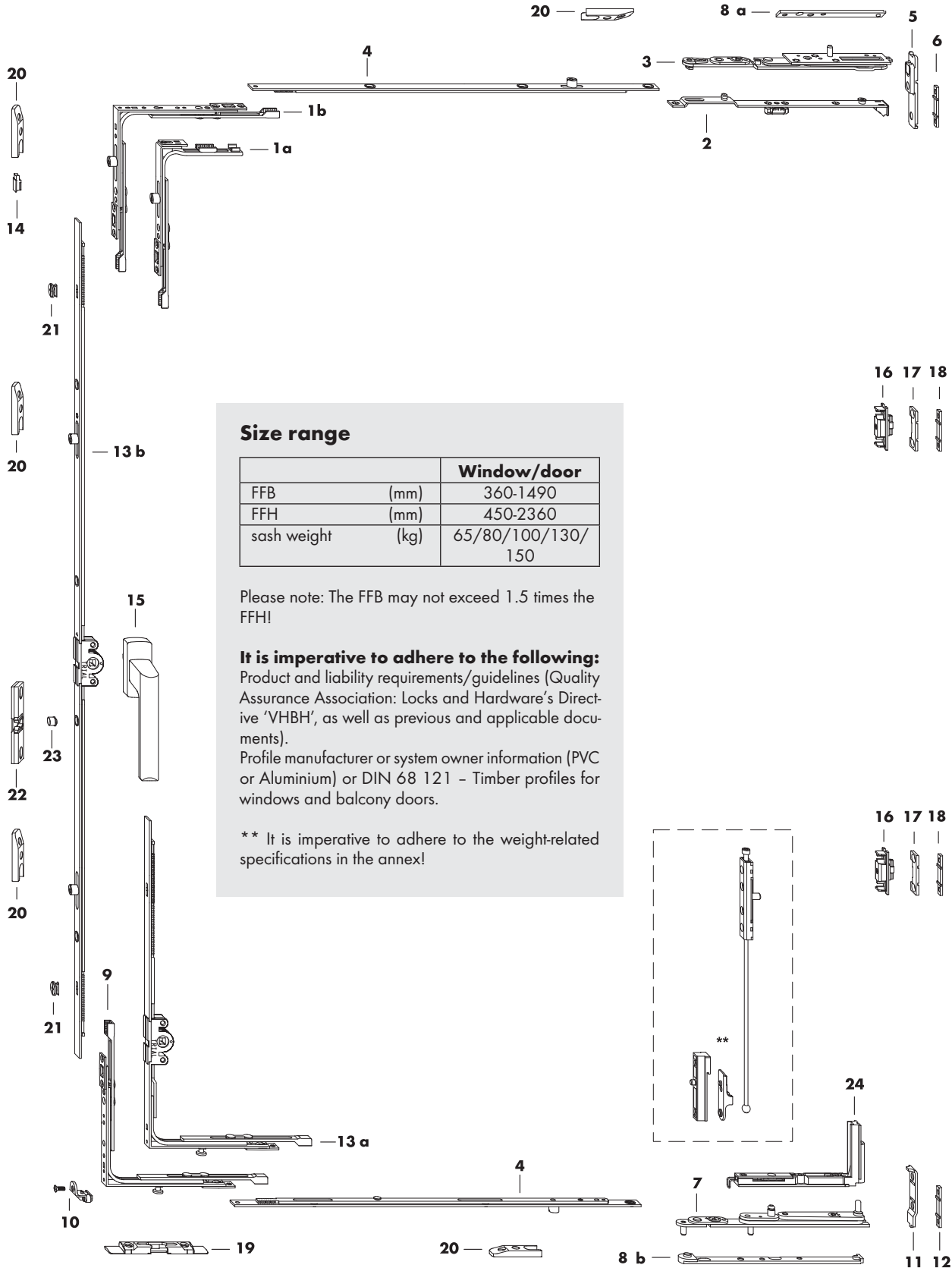
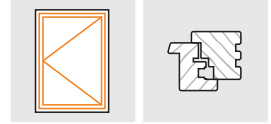


1-sash square turn
timber 12 mm
basic security
centre handle pos. (variable)
Hinge side V-V
surface TS
backset 16 mm

Hardware set configuration

<i>Stay side</i>	<i>two-piece stay</i>
<i>Bottom</i>	<i>loose sash lift</i>

This document was compiled using the SIEGENIA hardware software (BEO).



Size range

		Window/door
FFB	(mm)	360-1490
FFH	(mm)	450-2360
sash weight	(kg)	65/80/100/130/ 150

Please note: The FFB may not exceed 1.5 times the FFH!

It is imperative to adhere to the following: Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

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** It is imperative to adhere to the weight-related specifications in the annex!



List of fittings

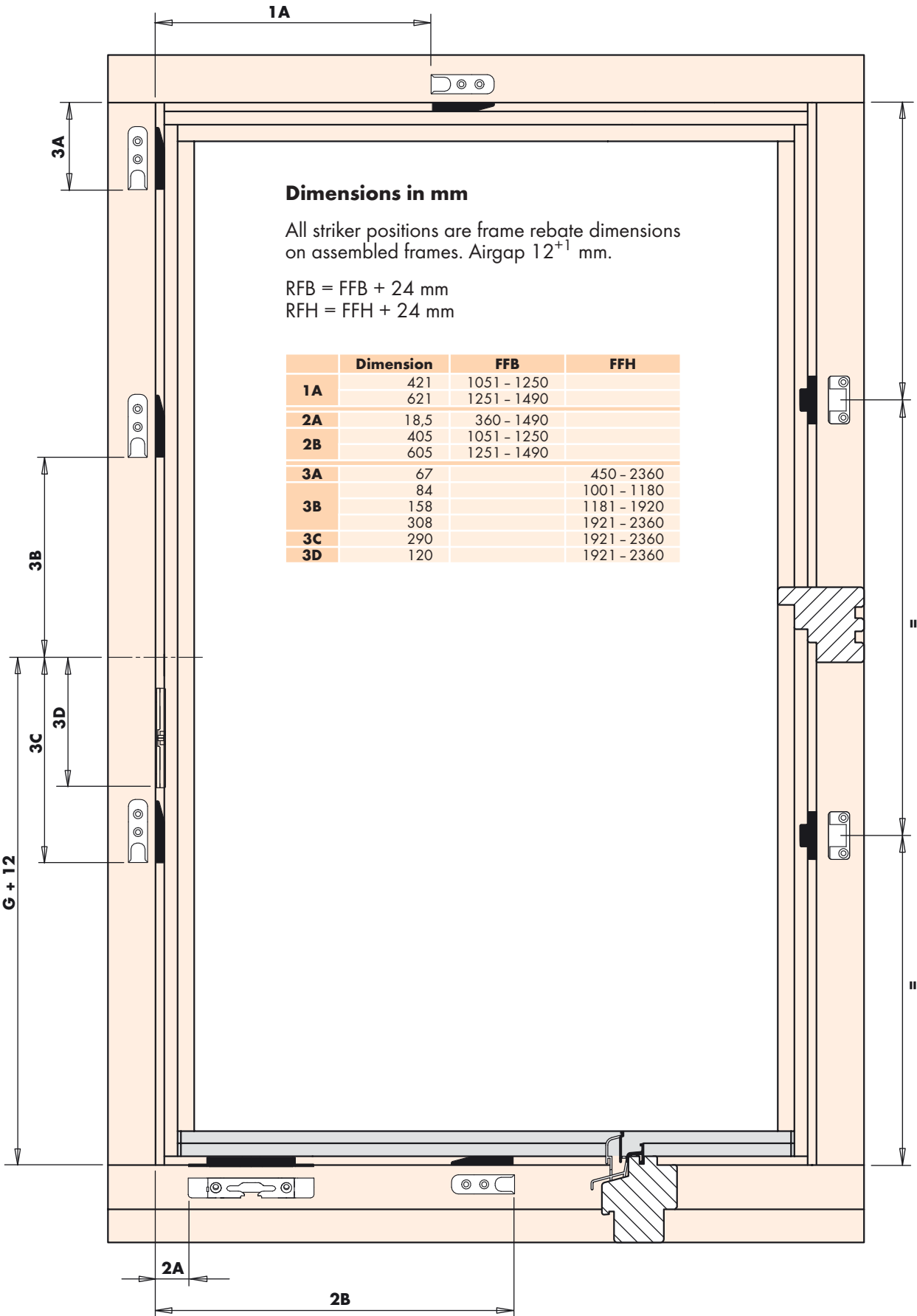
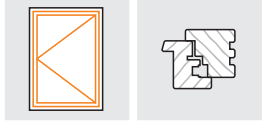
1-sash square turn
H12 GM Hinge side V-V

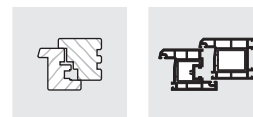
FAVORIT

GS

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.	
							19	20
1a	corn.drive narrow VSO	702925	1	360 - 480				1
1b	corn.drive VSO ..	FEUL0230- ...	1	481 - 1490				1
2	stay sash part V-V DF	TSSV0160- ...	1	360 - 1490				
3	stay arm V-V DF	Ref. PDB, TSAV06	1	360 - 1490				
4	centre lock sz 50	700969	2	1051 - 1250				2
	centre lock sz 70	700976		1251 - 1490				2
5	striker V-V BSO timber	TRZV0020- ...	1	360 - 1490				
6	packer RB/FPS	Ref. PDB, FRUPO2	1	360 - 1490				
7	bott.hinge V-V with stop	Ref. PDB, TMEV01	1	360 - 1490				
8	accessories V-V	Ref. PDB, TMZV	1	360 - 1490				
9	corn.drive VS S-ES	FEUL0090- ...	1	360 - 1490	481 - 2360		1	
10	sash lift S-ES	Ref. PDB, FMFH	1	360 - 1490				
11	hinge support V-V	Ref. PDB, TRZK01	1	360 - 1490				
12	packer hinge support V-V	Ref. PDB, TRUV01	1	360 - 1490				
13a	gear 23 S-ES sz 50/G190	FGKK3160- ...	1		450 - 480	190	1	
13b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340		
	gear 3 sz 1a MV	FGMK3070- ...		681 - 1000	340 - 500			
	gear 3 sz 1a MV	FGMK3070- ...		1001 - 1180	500 - 590		1	
	gear 3 sz 2 MV	FGMK3080- ...		1181 - 1460	590 - 730		1	
	gear 3 sz 3 MV	FGMK3090- ...		1461 - 1920	730 - 960		1	
	gear 3 sz 4 TL	FGMK3100- ...		1921 - 2360	960 - 1180		2	
14	travel restriction S-ES	891124	1		450 - 2360			
15	handle Si-line	Ref.access. ZHSS	1		450 - 2360			
16	sash part MV V-V	TFMV0030- ...	1		1001 - 1600			
	sash part MV V-V	TFMV0030- ...	2		1601 - 2360			
17	frame part MV V-V	TRZM0100- ...	1		1001 - 1600			
	frame part MV V-V	TRZM0100- ...	2		1601 - 2360			
18	packer RB/FPS	Ref. PDB, FRUPO2	1		1001 - 1600			
	packer RB/FPS	Ref. PDB, FRUPO2	2		1601 - 2360			
19	tilt lock bear. S-ES FH	Ref. PDB, FRKA						
20	striker plate 56	Ref. PDB, FRSB						
on request								
21	location piece	702543	3					
22	snapper	Ref. PDB, FRZB	1		1921 - 2360			
23	sleeve	Ref. PDB, FFHU	1		1921 - 2360			

Hinge side turning points								
Pos.	Description	Part number	surface TS	required as per sash weight				
				65 kg	80 kg	100 kg	130 kg	150 kg
24	corner hinge V-V 12/	TBEB0020-1 ...		1	1	1	1	1





Version	V-V 18 Bottom hinge and stay arm V-V 18	V-V 22 Bottom hinge and stay arm V-V 22 and version A3060	V-V 29 Bottom hinge and stay arm V-V 29 and version A1860
without additional component Corresponding application diagram	65 kg H58.AWD_T_S010	80 kg H58.AWD_T_S013	100 kg H58.AWD_T_S018
with additional component in window format Corresponding application diagram	80 kg H58.AWD_T_S011	100 kg H58.AWD_T_S014	
with additional component in door format Corresponding application diagram	100 kg H58.AWD_T_S012	130 kg H58.AWD_T_S017	150 kg H58.AWD_T_S015

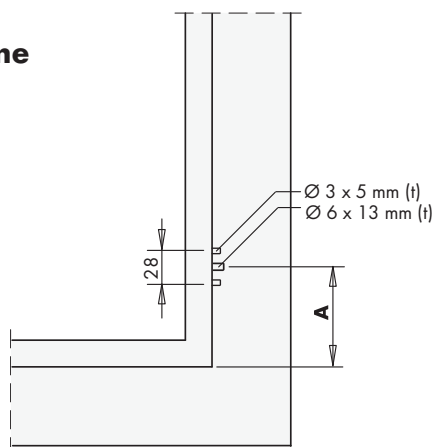
Basic security			
FFH/FFB (mm)	Part number	Description	Drilling position Dimension A
Requirements of SRH (mm)			
1001-3000	TBAV0030-_____	Top hinge V-V heavy-duty	
	TFFS0010-_____	Filling piece V-V heavy-duty	
	TBAV0020-_____	Additional component V-V heavy-duty size 2	350 mm
Requirements of SRW (mm)			
650-1050	TFKB0040-_____	*) Tilt restrictor V-V size .2-4	
1051-1250	TFKB0050-_____	*) Tilt restrictor V-V size 5	

RC1 and RC2			
FFH/FFB (mm)	Part number	Description	Drilling position Dimension A
Requirements of SRH (mm)			
1001-3000	TBAV0030-_____	Top hinge V-V heavy-duty	
	TBAV0020-_____	Additional component V-V heavy-duty size 2	540 mm
Requirements of SRW (mm)			
650-1050	TFKB0040-_____	*) Tilt restrictor V-V size .2-4	
1051-1250	TFKB0050-_____	*) Tilt restrictor V-V size 5	

Jig			
FFH/FFB (mm)	Part number	Description	
	TABL0250-_____	Jig additional component V-V heavy-duty	
	TABL0080-_____	Jig V-V heavy-duty sash	

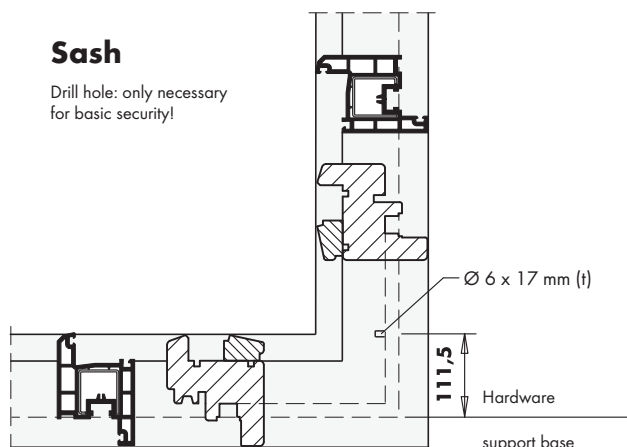
*) When using the tilt restrictor V-V, a separate mishandling device is required!

Frame



Sash

Drill hole: only necessary for basic security!



Please observe:

Guidelines/information on the product and on liability (VHBH directive as well as the other applicable documents listed - Directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Timber profiles for windows and French windows"

Additional components heavy-duty



Part number TBAV0030-.....
 Top hinge V-V heavy-duty with clamping spring
 The clamping spring is required only with RC1 and RC2
 in combination with TVSL...



Part number TFFS0010-.....
 Filling piece V-V heavy-duty
 (is only used for basic security)



Part number
 TBAV0020-..... size 2
 Additional component V-V heavy-duty



Part number
 TFKB0040-..... size 2-4
 TFKB0050-..... size 5
 Tilt restrictor V-V

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Installation instructions

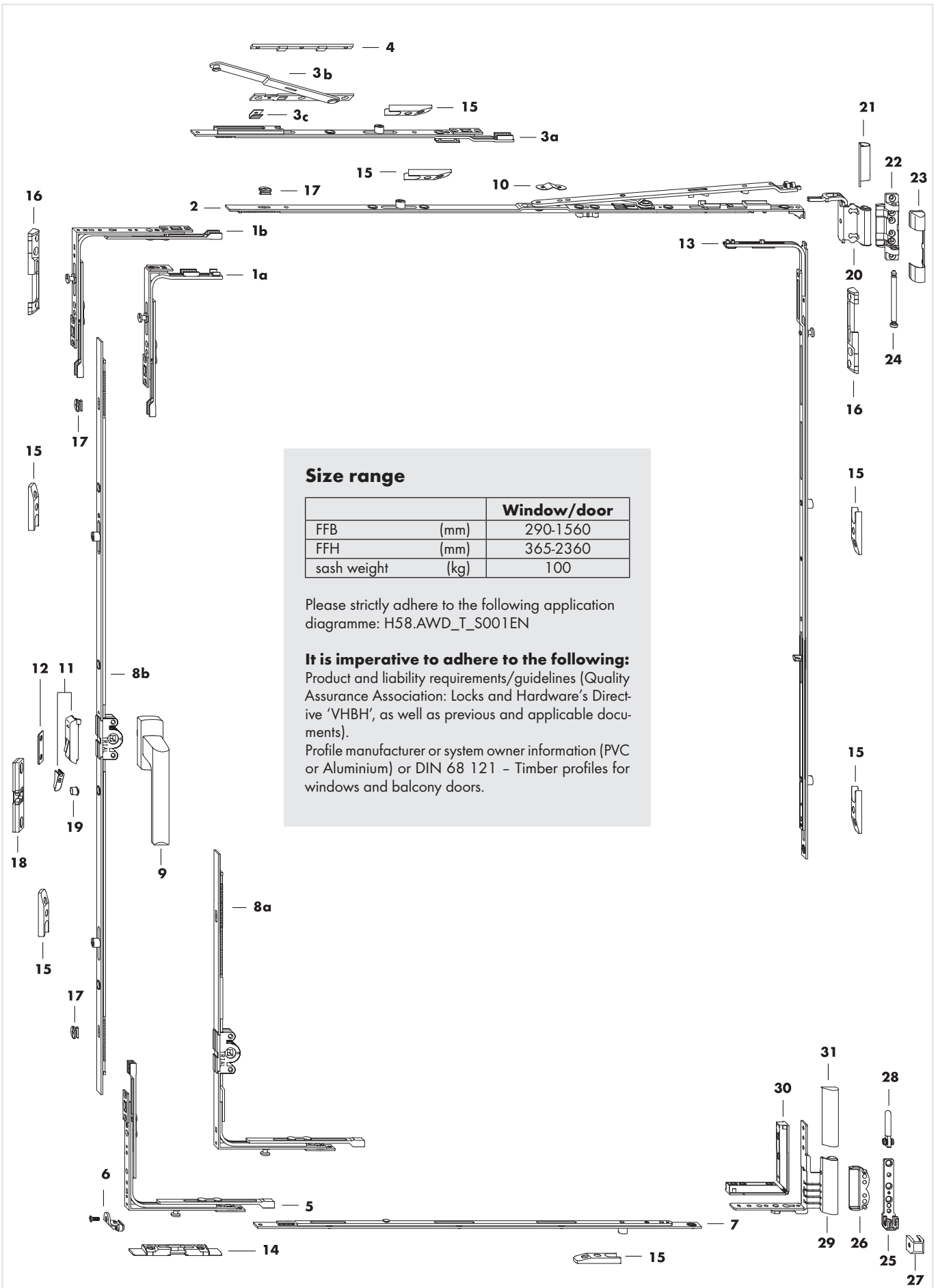
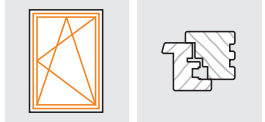


*1-sash square tilt-turn
timber 12 mm
3-point security
centre handle pos. (variable)
Hinge side Si-line
surface TS
backset 16 mm*

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

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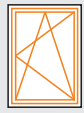
Size range

		Window/door
FFB	(mm)	290-1560
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



List of fittings

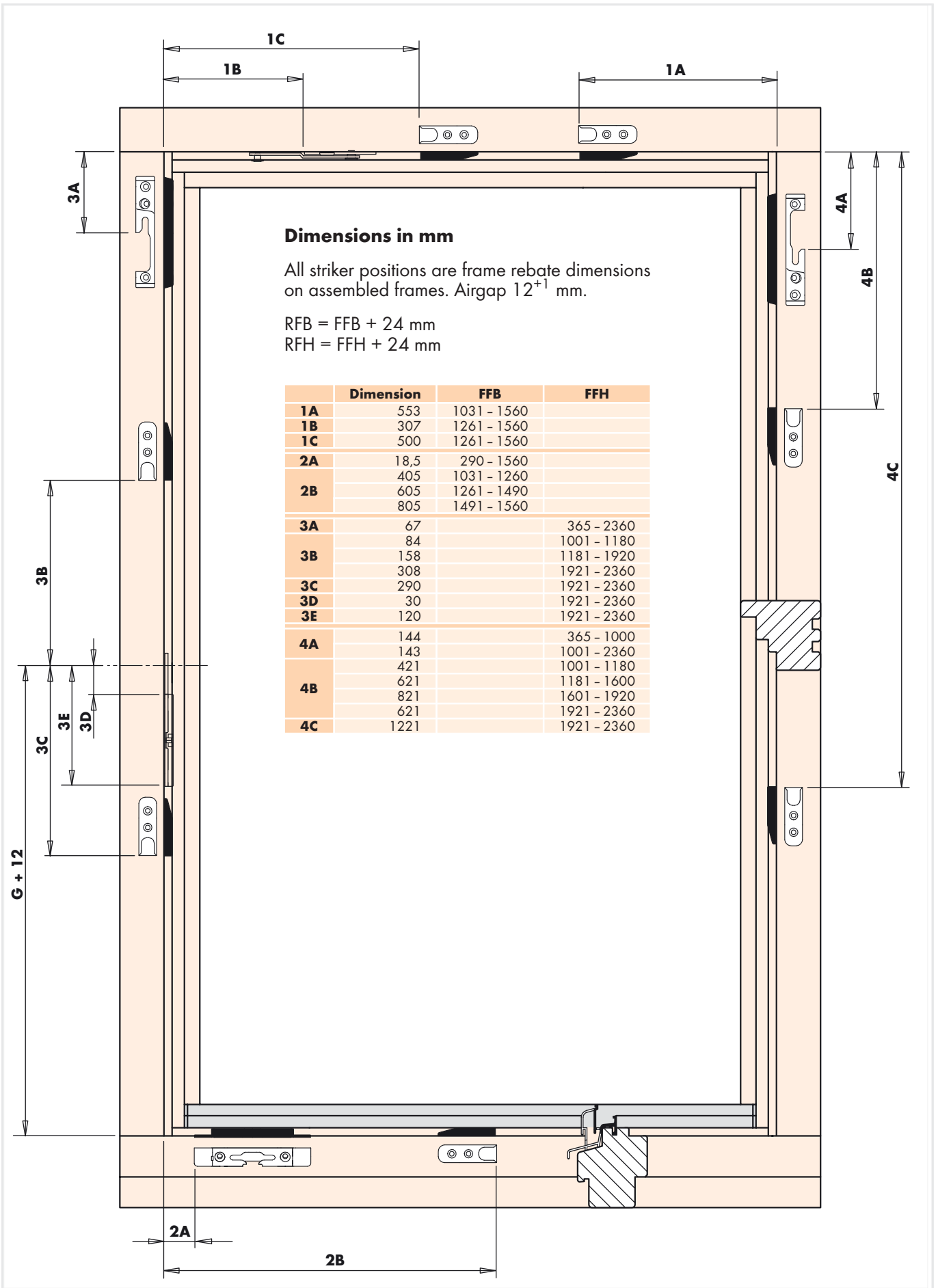
1-sash square tilt-turn
H12 GM Hinge side Si-line

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3P

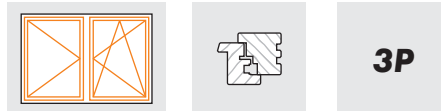
Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.		
							14	15	16
1a	corn.drive narrow VS S-ES	703038	1	290 - 410					1
1b	corn.drive VS S-ES	FEUL0090- ...	1	411 - 1560					1
2	stay 7 sz 30	707302	1	290 - 620					
	stay 7 sz 35 MV	707319		621 - 800					
	stay 7 sz 50 MV	707326		801 - 1030					
	stay 7 sz 55 MV	707333		1031 - 1260				1	
	stay 7 sz 50 MV	707326		1261 - 1490				1	
	stay 7 sz 55 MV	707333		1491 - 1560				1	
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1	
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560					
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	481 - 2360		1		
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560					
7	centre lock sz 50	700969	1	1031 - 1260				1	
	centre lock sz 70	700976		1261 - 1490				1	
	centre lock sz 90	700983		1491 - 1560				1	
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1		
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 480	190	1		
8b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340			
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1000	340 - 500			
	gear 3 sz 1a MV	FGMK3070- ...			1001 - 1180	500 - 590		1	
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730		1	
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960		1	
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180		2	
9	handle Si-line	Ref.access. ZHSS	1		365 - 2360				
10	filt restrictor	805701	1		365 - 750				
11	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360				
12	stop	Ref. PDB, FRZF01	1		1921 - 2360				
13	corn.drive BS sz 20 1S	FEUL2100- ...	1		365 - 1000				1
	corn.drive BS sz 50 1S 1V	FEUL2110- ...			1001 - 1180		1	1	
	corn.drive BS sz 70 1S 1V	FEUL2120- ...			1181 - 1600		1	1	
	corn.drive BS sz 90 1S 1V	FEUL2130- ...			1601 - 1920		1	1	
	corn.drive BS sz 130 1S 2V	FEUL2140- ...			1921 - 2360		2	1	
14	tilt lock bear. S-ES FH	Ref. PDB, FRKA							
15	striker plate 56	Ref. PDB, FRSB							
16	striker plate S-ES	Ref. PDB, FRSC							
on request									
17	location piece	702543	3						
18	snapper	Ref. PDB, FRZB	1		1921 - 2360				
19	sleeve	Ref. PDB, FFHU	1		1921 - 2360				

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
20	stay hinge	Ref. PDB, FBWB			1
21	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
22	top hinge S	Ref. PDB, FBLS02			1
23	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
24	top hinge pin diam.6	FBSB0010-1 ...			1
25	bottom hinge	Ref. PDB, FBEL01			1
26	filling piece H timber	Ref. PDB, FBFS			1
27	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
28	bottom hinge pin diam.7	FBLB0060-1 ...			1
29	reb.corner hinge H timber	Ref. PDB, FBFE01			1
30	distance piece H timber	Ref. PDB, FBDS			1
31	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



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Installation instructions



2-sash square tilt-turn/turn DSG gear

timber 12 mm

3-point security

centre handle pos. (variable)

Hinge side Si-line

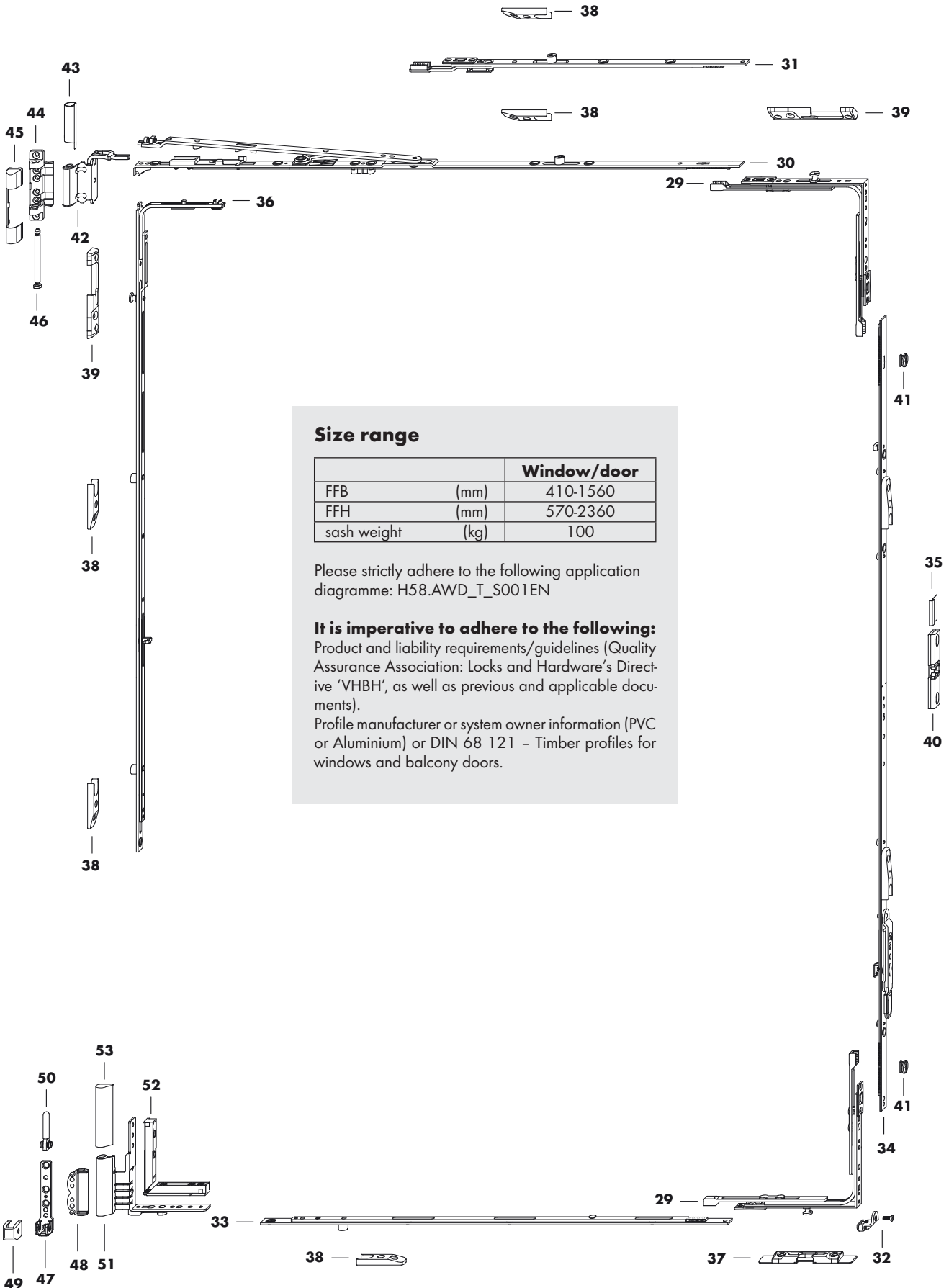
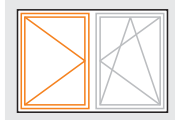
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point; double hinge with DK-bolt</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

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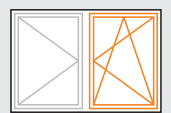
Size range

		Window/door
FFB	(mm)	410-1560
FFH	(mm)	570-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:
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Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.

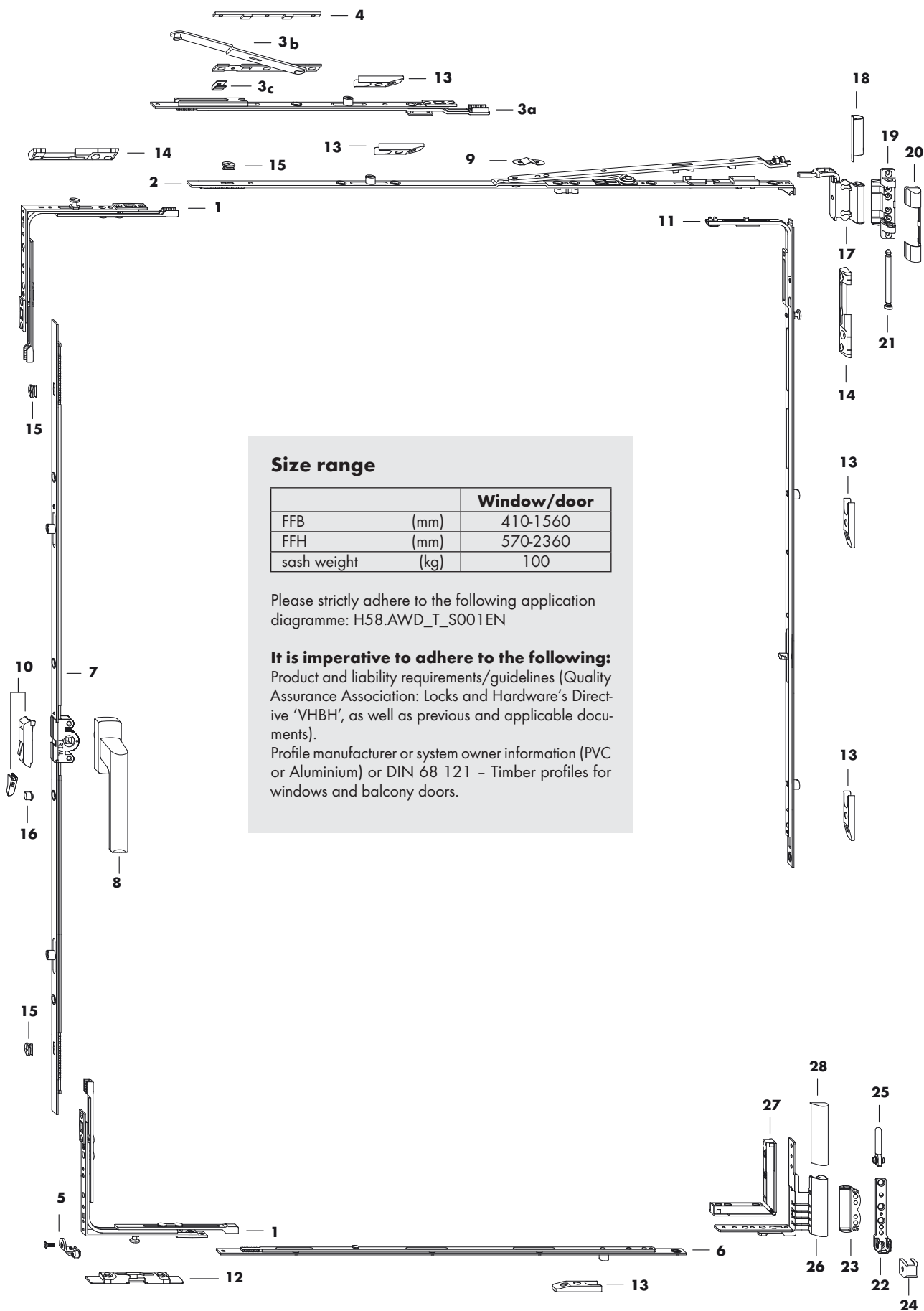


hardware layout main sash

2-sash square tilt-turn/turn DSG gear
H12 GM Hinge side Si-line

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3P



Size range

		Window/door
FFB	(mm)	410-1560
FFH	(mm)	570-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

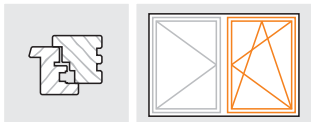
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Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



Pos.	Description	Part number	QTY	FFB	FFH	Dimension G In the main sash	Number of frame parts / Pos.		
							37	38	39
29	corn.drive VS S-ES	FEUL0090- ...	2	410 - 1560			1		1
30	stay 7 sz 30	707302	1	410 - 620					
	stay 7 sz 35 MV	707319		621 - 800					
	stay 7 sz 50 MV	707326		801 - 1030					
	stay 7 sz 55 MV	707333		1031 - 1260				1	
	stay 7 sz 50 MV	707326		1261 - 1490					1
	stay 7 sz 55 MV	707333		1491 - 1560					1
31	linkage sz 460 MV	713266	1	1261 - 1560				1	
32	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560					
33	centre lock sz 50	700969	1	1031 - 1260				1	
	centre lock sz 70	700976		1261 - 1490				1	
	centre lock sz 90	700983		1491 - 1560				1	
34	sec.sash gear 16 FAV sz 60	FGKS1010- ...	1		570 - 680	285 - 340			
	sec.sash gear 16 FAV sz 70 1SB	FGMS1010- ...			681 - 1000	340 - 500			
	sec.sash gear 16 FAV sz 70 1SB	FGMS1010- ...			1001 - 1180	500 - 590			
	sec.sash gear 16 FAV sz 100 1SB	FGMS1020- ...			1181 - 1460	590 - 730			
	sec.sash gear 16 FAV sz 150 1SB	FGMS1040- ...			1461 - 1920	730 - 960			
	sec.sash gear 16 FAV sz 200 2SB	FGMS1060- ...			1921 - 2360	960 - 1180			
35	stop	Ref. PDB, FRZF04	1		1921 - 2360				
36	corn.drive BS sz 20 1S	FEUL2100- ...	1		570 - 1000			1	
	corn.drive BS sz 50 1S 1V	FEUL2110- ...			1001 - 1180			1	
	corn.drive BS sz 70 1S 1V	FEUL2120- ...			1181 - 1600			1	
	corn.drive BS sz 90 1S 1V	FEUL2130- ...			1601 - 1920			1	
	corn.drive BS sz 130 1S 2V	FEUL2140- ...			1921 - 2360			2	
37	tilt lock bear. S-ES FH	Ref. PDB, FRKA							
38	striker plate 56	Ref. PDB, FRSB							
39	striker plate S-ES	Ref. PDB, FRSC							
on request									
40	snapper	Ref. PDB, FRZB02	1		1921 - 2360				
41	location piece	702543	2						

Hinge side turning points						
Pos.	Description	Part number	Part number			required as per sash weight 100 kg
			surface TS	RAL9003	RAL8019	
42	stay hinge	Ref. PDB, FBWB				1
43	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...		1
44	top hinge S	Ref. PDB, FBLS02				1
45	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...		1
46	top hinge pin diam.6	FBSB0010-1 ...				1
47	bottom hinge	Ref. PDB, FBEL01				1
48	filling piece H timber	Ref. PDB, FBFS				1
49	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...		1
50	bottom hinge pin diam.7	FBLB0060-1 ...				1
51	reb.corner hinge H timber	Ref. PDB, FBFE01				1
52	distance piece H timber	Ref. PDB, FBDS				1
53	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...		1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...		1



List of fittings main sash

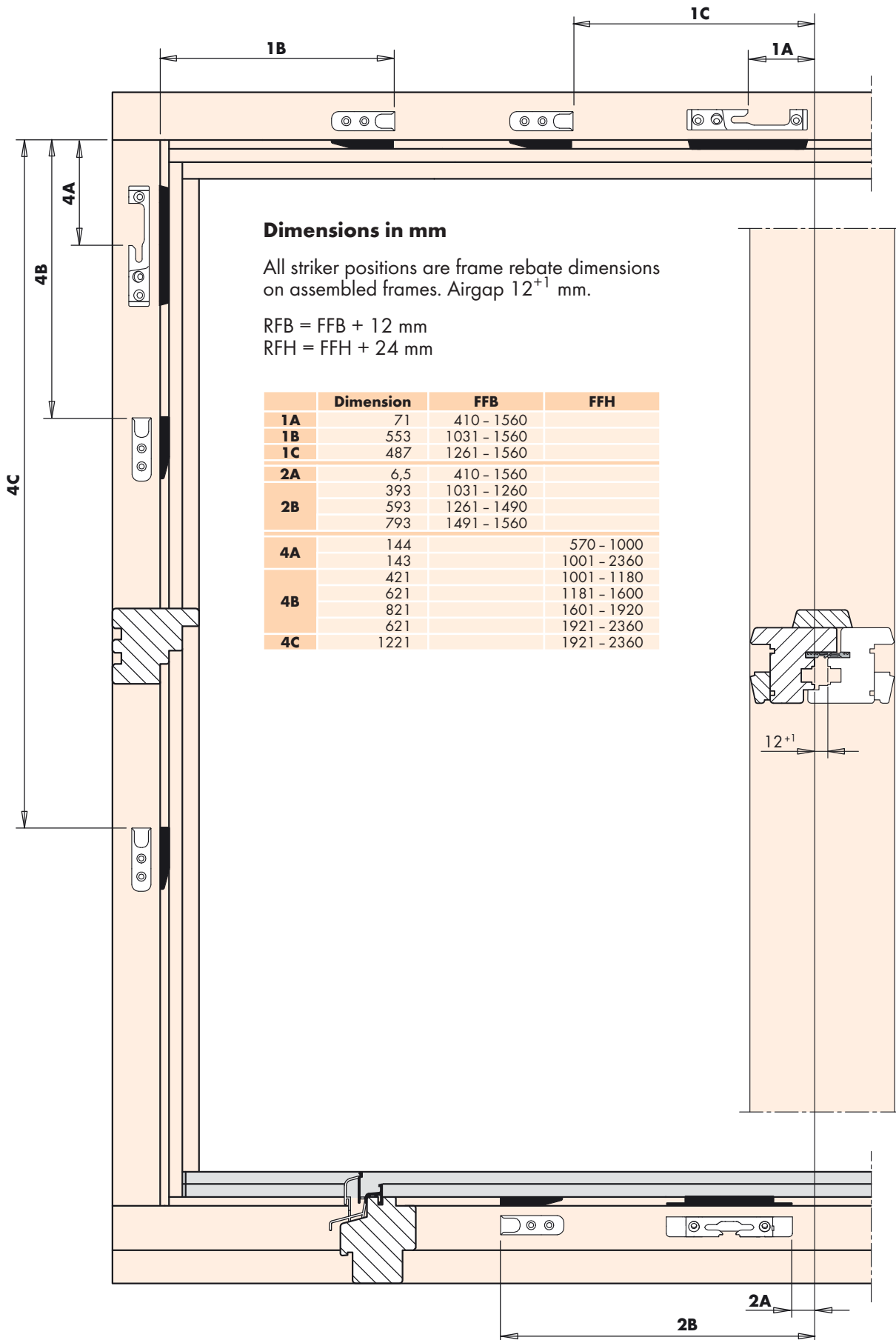
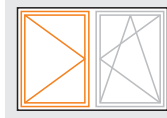
2-sash square tilt-turn/turn DSG gear
H12 GM Hinge side Si-line

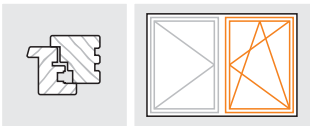
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3P

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.		
							12	13	14
1	corn.drive VS S-ES	FEUL0090- ...	2	410 - 1560			1		1
2	stay 7 sz 30	707302	1	410 - 620					
	stay 7 sz 35 MV	707319		621 - 800					
	stay 7 sz 50 MV	707326		801 - 1030					
	stay 7 sz 55 MV	707333		1031 - 1260				1	
	stay 7 sz 50 MV	707326		1261 - 1490				1	
	stay 7 sz 55 MV	707333		1491 - 1560				1	
3	crt.additional stay	Ref. PDB, FMZS01	1	1261 - 1560				1	
4	packer Z	Ref. PDB, FRUPO1	1	1261 - 1560					
5	sash lift S-ES	Ref. PDB, FMFH	1	410 - 1560					
6	centre lock sz 50	700969	1	1031 - 1260				1	
	centre lock sz 70	700976		1261 - 1490				1	
	centre lock sz 90	700983		1491 - 1560				1	
7	gear 3 sz 0	FGMK3050- ...	1		570 - 680	285 - 340			
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1180	340 - 590			
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730			
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960			
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180			
8	handle Si-line	Ref.access. ZHSS	1		570 - 2360				
9	tilt restrictor	805701	1		570 - 750				
10	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360				
11	corn.drive BS sz 20 1S	FEUL2100- ...	1		570 - 1000			1	
	corn.drive BS sz 50 1S 1V	FEUL2110- ...			1001 - 1180			1	
	corn.drive BS sz 70 1S 1V	FEUL2120- ...			1181 - 1600			1	
	corn.drive BS sz 90 1S 1V	FEUL2130- ...			1601 - 1920			1	
	corn.drive BS sz 130 1S 2V	FEUL2140- ...			1921 - 2360			2	
12	tilt lock bear. S-ES FH	Ref. PDB, FRKA							
13	striker plate 56	Ref. PDB, FRSB							
14	striker plate S-ES	Ref. PDB, FRSC							
on request									
15	location piece	702543	3						
16	sleeve DSG	Ref. PDB, FFHU02	1		1921 - 2360				

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
17	stay hinge	Ref. PDB, FBWB			1
18	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
19	top hinge S	Ref. PDB, FBSLO2			1
20	cover cap S		FKSLO010-002 ...	FKSLO010-011 ...	1
21	top hinge pin diam.6	FBSB0010-1 ...			1
22	bottom hinge	Ref. PDB, FBEL01			1
23	filling piece H timber	Ref. PDB, FBFS			1
24	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
25	bottom hinge pin diam.7	FBLB0060-1 ...			1
26	reb.corner hinge H timber	Ref. PDB, FBFE01			1
27	distance piece H timber	Ref. PDB, FBDS			1
28	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



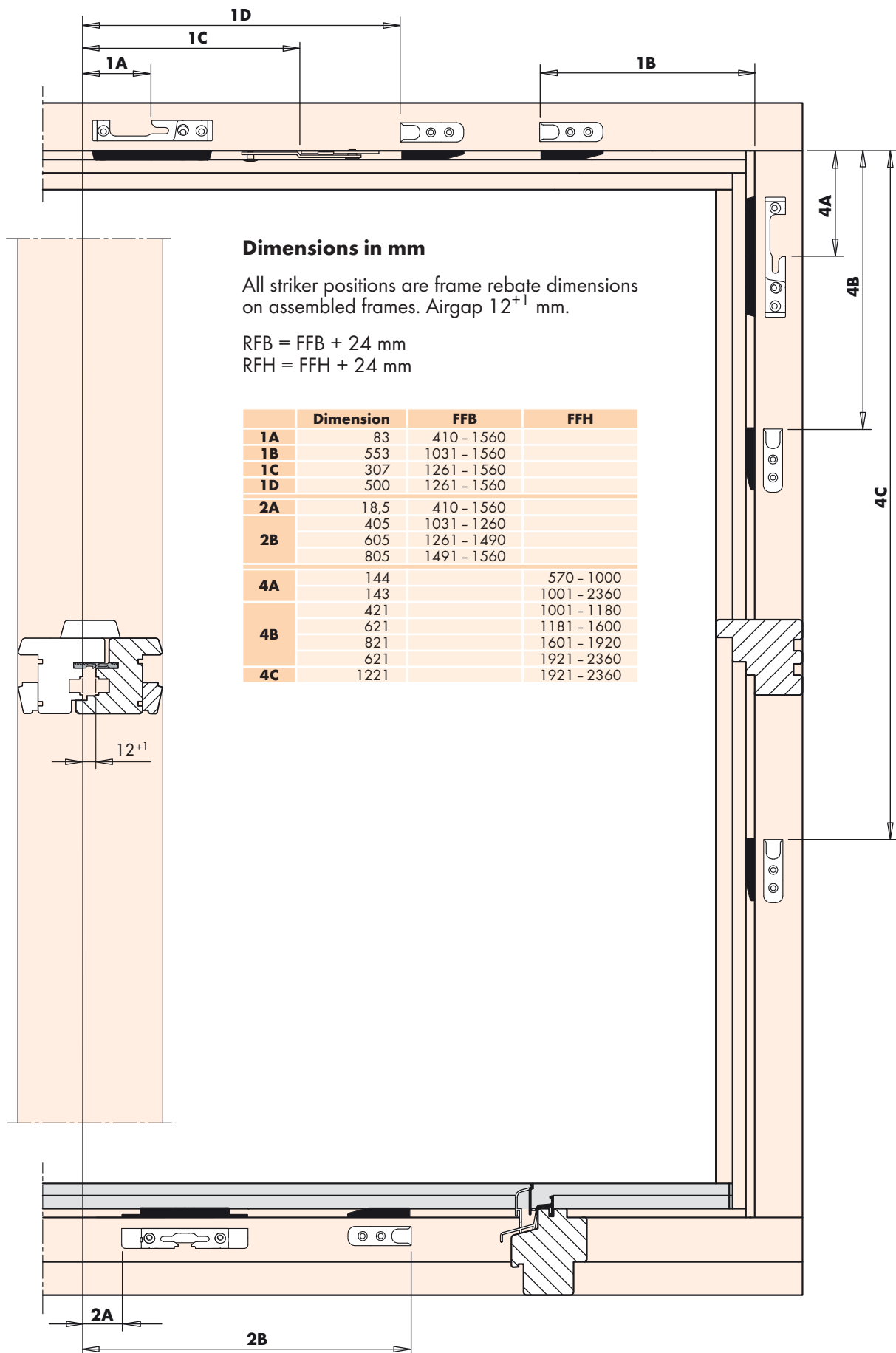


Frame dimensions main sash

2-sash square tilt-turn/turn DSG gear
H12 GM Hinge side Si-line

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3P



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Installation instructions



1-sash square tilt before turn (TBT)

timber 12 mm

3-point security

centre handle pos. (variable)

Hinge side Si-line

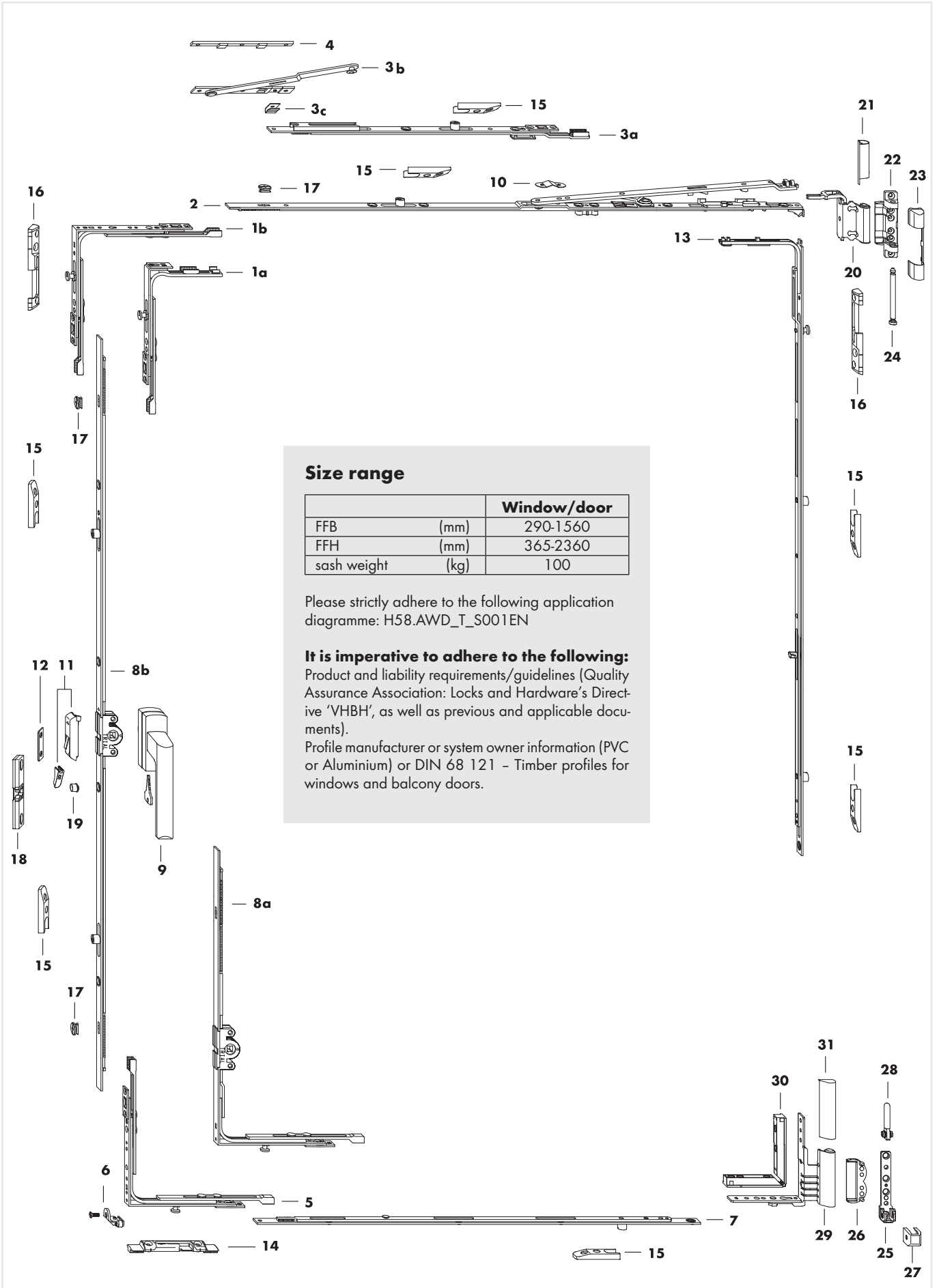
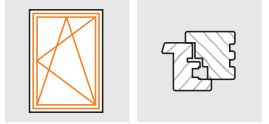
surface TS

backset 16 mm

Hardware set configuration

<i>General</i>	<i>horizontal tilt point</i>
<i>Bottom</i>	<i>loose sash lift</i>
<i>Locking side</i>	<i>mishandl. device on gear</i>
<i>Hinge side turning points</i>	<i>loose bottom hinge pin</i>

This document was compiled using the SIEGENIA hardware software (BEO).



Size range

		Window/door
FFB	(mm)	290-1560
FFH	(mm)	365-2360
sash weight	(kg)	100

Please strictly adhere to the following application diagramme: H58.AWD_T_S001EN

It is imperative to adhere to the following:

Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's Directive 'VHBH', as well as previous and applicable documents).

Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.



List of fittings

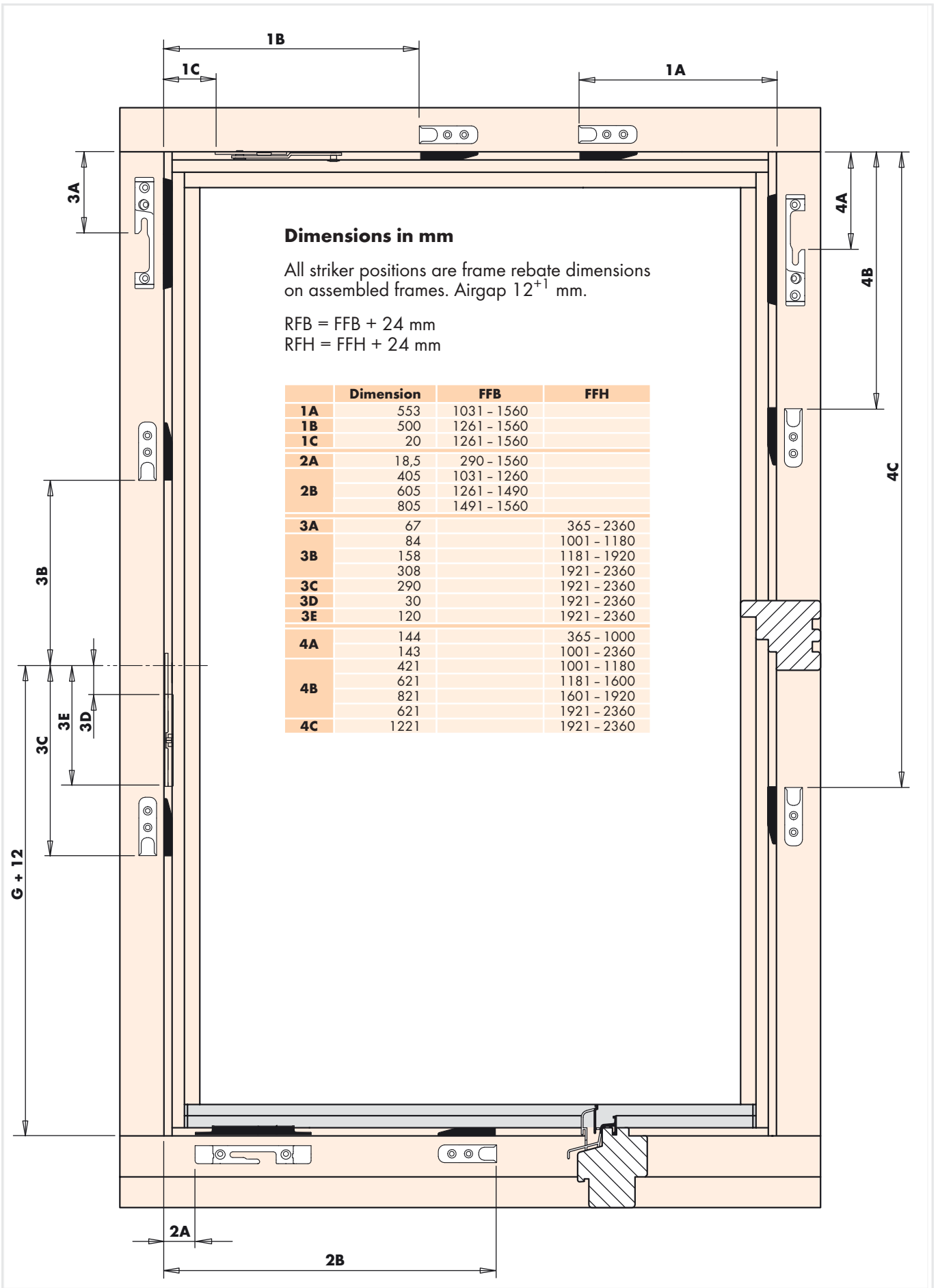
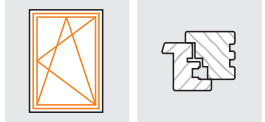
1-sash square tilt before turn (TBT)
H12 GM Hinge side Si-line

FAVORIT

3P

Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts / Pos.		
							14	15	16
1a	corn.drive narrow VS S-ES	703038	1	290 - 410					1
1b	corn.drive VS S-ES	FEUL0090- ...	1	411 - 1560					1
2	stay 7 TBT sz 30	707357	1	290 - 620					
	stay 7 TBT sz 35 MV	707364		621 - 800					
	stay 7 TBT sz 50 MV	707371		801 - 1030					
	stay 7 TBT sz 55 MV	707388		1031 - 1260				1	
	stay 7 TBT sz 50 MV	707371		1261 - 1490				1	
	stay 7 TBT sz 55 MV	707388		1491 - 1560				1	
3	crt.additional stay TBT	Ref. PDB, FMZS02	1	1261 - 1560				1	
4	packer Z	Ref. PDB, FRUP01	1	1261 - 1560					
5	corn.drive VS S-ES	FEUL0090- ...	1	290 - 1560	481 - 2360		1		
6	sash lift S-ES	Ref. PDB, FMFH	1	290 - 1560					
7	centre lock sz 50	700969	1	1031 - 1260				1	
	centre lock sz 70	700976		1261 - 1490				1	
	centre lock sz 90	700983		1491 - 1560				1	
8a	gear 23 S-ES sz 40/G125	FGKK3170- ...	1		365 - 430	125	1		
	gear 23 S-ES sz 50/G190	FGKK3160- ...			431 - 480	190	1		
8b	gear 3 sz 0	FGMK3050- ...	1		481 - 680	240 - 340			
	gear 3 sz 1a MV	FGMK3070- ...			681 - 1000	340 - 500			
	gear 3 sz 1a MV	FGMK3070- ...			1001 - 1180	500 - 590		1	
	gear 3 sz 2 MV	FGMK3080- ...			1181 - 1460	590 - 730		1	
	gear 3 sz 3 MV	FGMK3090- ...			1461 - 1920	730 - 960		1	
	gear 3 sz 4 TL	FGMK3100- ...			1921 - 2360	960 - 1180		2	
9	handle Si-line TBT lockable	Ref.access. ZHST	1		365 - 2360				
10	filt restrictor	805701	1		365 - 750		1		
11	bag mishandling device	Ref. PDB, FMFS01	1		1921 - 2360				
12	stop	Ref. PDB, FRZFO1	1		1921 - 2360				
13	corn.drive BS sz 20 1S	FEUL2100- ...	1		365 - 1000				1
	corn.drive BS sz 50 1S 1V	FEUL2110- ...			1001 - 1180		1	1	
	corn.drive BS sz 70 1S 1V	FEUL2120- ...			1181 - 1600		1	1	
	corn.drive BS sz 90 1S 1V	FEUL2130- ...			1601 - 1920		1	1	
	corn.drive BS sz 130 1S 2V	FEUL2140- ...			1921 - 2360		2	1	
14	tilt lock bear. S-ES FH TBT	Ref. PDB, FRKB							
15	striker plate 56	Ref. PDB, FRSB							
16	striker plate S-ES	Ref. PDB, FRSC							
on request									
17	location piece	702543	3						
18	snapper	Ref. PDB, FRZB	1		1921 - 2360				
19	sleeve	Ref. PDB, FFHU	1		1921 - 2360				

Hinge side turning points					
Pos.	Description	Part number			required as per sash weight 100 kg
		surface TS	RAL9003	RAL8019	
20	stay hinge	Ref. PDB, FBWB			1
21	cover cap W timber		FKWB0020-002 ...	FKWB0020-011 ...	1
22	top hinge S	Ref. PDB, FBLS02			1
23	cover cap S		FKSL0010-002 ...	FKSL0010-011 ...	1
24	top hinge pin diam.6	FBSB0010-1 ...			1
25	bottom hinge	Ref. PDB, FBEL01			1
26	filling piece H timber	Ref. PDB, FBFS			1
27	cover cap EL U		FKEU0010-002 ...	FKEU0010-011 ...	1
28	bottom hinge pin diam.7	FBLB0060-1 ...			1
29	reb.corner hinge H timber	Ref. PDB, FBFE01			1
30	distance piece H timber	Ref. PDB, FBDS			1
31	cover cap FEB rh.		FKFE0011-002 ...	FKFE0011-011 ...	1
	cover cap FEB lh.		FKFE0012-002 ...	FKFE0012-011 ...	1



FAVORIT

Installation instructions



for 1-sash square-tilt-elements

timber 12 mm

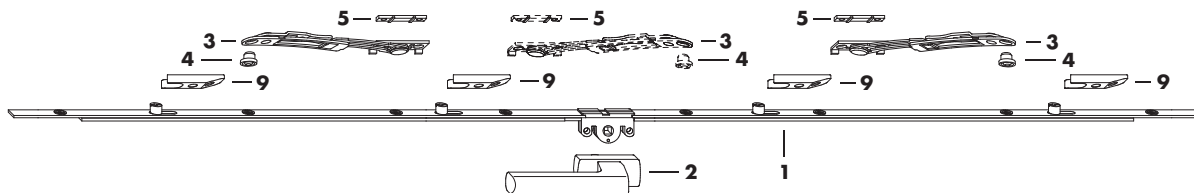
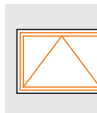
basic security

handle height centre/variable

hinge side Si-line

surface TS

backset 16 mm

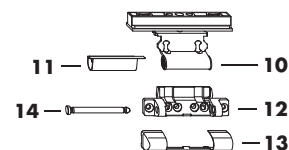
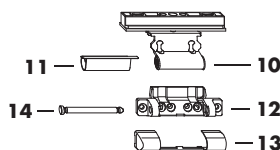
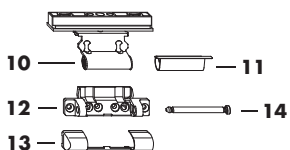
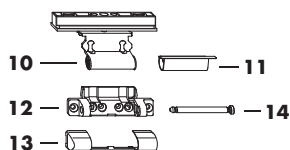
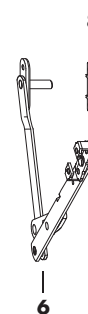
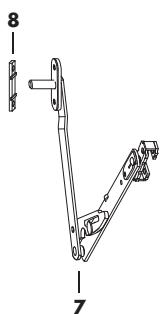


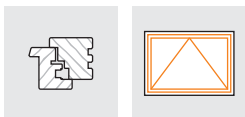
Size range

		Window
FFB	(mm)	400 - 2360
FFH	(mm)	350 - 800
sash weight	(kg)	50

It is imperative to adhere to the following:

Product and liability requirements/guidelines (Quality Assurance Association: Locks and Hardware's directive 'VHBH', as well as previous and applicable documents). Profile manufacturer or system owner information (PVC or Aluminium) or DIN 68 121 - Timber profiles for windows and balcony doors.





List of fittings

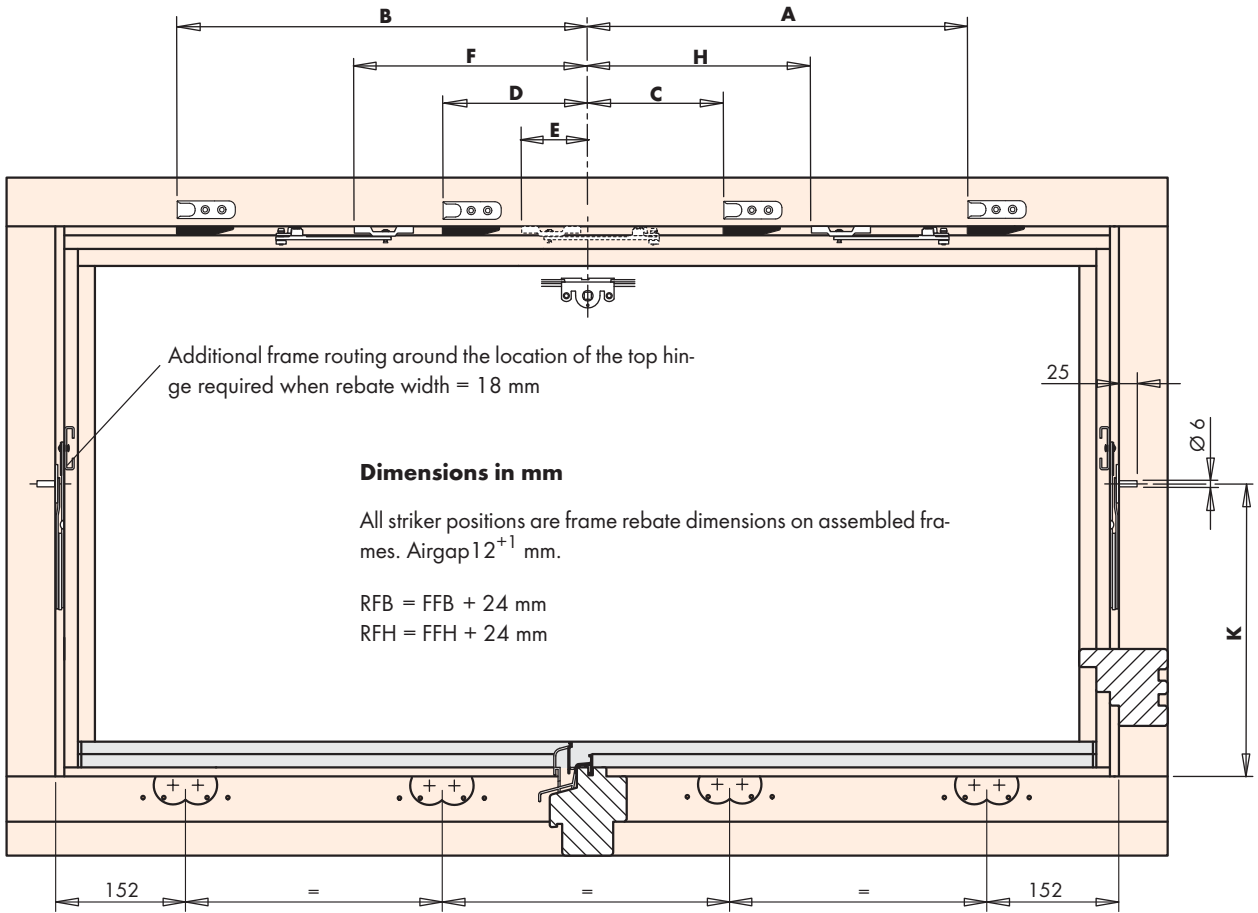
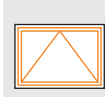
for 1-sash square-tilt-elements
H12 GM hinge side Si-line

FAVORIT

GS

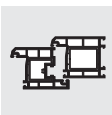
Pos.	Description	Part number	QTY	FFB	FFH	Dimension G	Number of frame parts
							Pos. 9
1	gear DF 3 sz 60	701225	1	400 - 600		200 - 300	2
	gear DF 3 sz 80	701232		601 - 800		300 - 400	2
	gear DF 3 sz sz 100	701249		801 - 1000		400 - 500	2
	gear DF 3 sz 120 MV	701256		1001 - 1200		500 - 600	3
	gear DF 3 sz 140 MV	701263		1201 - 1400		600 - 700	3
	gear DF 3 sz 160 MV	701270		1401 - 1600		700 - 800	3
	gear DF 3 sz 180 MV	701287		1601 - 1800		800 - 900	3
	gear DF 3 sz 200 MV	701294		1801 - 2000		900 - 1000	3
	gear DF 3 sz 220 TL	701300		2001 - 2200		1000 - 1100	4
gear DF 3 sz 240 TL	701317	2201 - 2360		1100 - 1180	4		
2	handle Si-line	Ref. access., ZHSS	1	400 - 2360			
3	tilt only stay with telescope	TSKF0020- - - - -	1	400 - 1000			
			2	1001 - 2360			
4	locking bolt for ring lowering	TFZB0050- - - - -	1	400 - 1000			
			2	1001 - 2360			
5	packer RB/FPS A...	Ref. PDB,FRUP02	1	400 - 1000			
			2	1001 - 2360			
6	tilt only safety stay sz 1 rh	ASFP0011- - - - -	1		350 - 500		
	tilt only safety stay sz 2 rh	ASFP0021- - - - -		501 - 800			
7	tilt only safety stay sz 1 lh	ASFP0012- - - - -	1		350 - 500		
	tilt only safety stay sz 2 lh	ASFP0022- - - - -		501 - 800			
8	packer RB/FPS A...	Ref. PDB,FRUP02	2		350 - 800		
9	striker plate 56 A...	Ref. PDB,FRSB					

Hinge side turning points								
Pos.	Description	Surface TS	Part number			required as per FFB		
			RAL9003	RAL8019		400 - 800	801 - 1800	1801 - 2360
10	tilt sash hinge H 12/....	Ref. PDB,FBKF				2	3	4
11	cover cap W H		833254	833261		2	3	4
12	top hinge DH H 12/....	Ref. PDB,FBSL01				2	3	4
13	cover cap S		FKSL0010- 002 ___	834855		2	3	4
14	top hinge pin Ø6	FBSB0010- - - - -				2	3	4

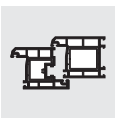


	Dim.	FFB
A	144	401 - 600
	194	601 - 800
	294	801 - 1000
	394	1001 - 1200
	494	1201 - 1400
	594	1401 - 1600
	694	1601 - 1800
	794	1801 - 2000
	894	2001 - 2200
	994	2201 - 2360
B	126	401 - 600
	176	601 - 800
	276	801 - 1000
	376	1001 - 1200
	476	1201 - 1400
	576	1401 - 1600
	676	1601 - 1800
	776	1801 - 2000
C	876	2001 - 2200
	976	2201 - 2360
	159	1001 - 2000
	309	2001 - 2360
D	289	2001 - 2360

	Dim.	FFB	FFH
E	54	401 - 1200	-
	142	1001 - 1200	-
F	187	1201 - 1400	-
	287	1401 - 1600	-
	387	1601 - 1800	-
	487	1801 - 2000	-
	652	2001 - 2200	-
	637	2201 - 2360	-
H	291	1201 - 1400	-
	391	1401 - 1600	-
	491	1601 - 1800	-
	591	1801 - 2000	-
	691	2001 - 2200	-
K	791	2201 - 2360	-
	230	-	350 - 500
	370	-	501 - 800



Description	Part number	Page
Window frame clearance PVC		6 - 3
rebate corner hinge PVC 12/..	704509, 704561, FBFE1021, FBFE1022, FBFE1041, FBFE1042, 713174, 713181, 713198, 713204, FKFE0011, FKFE0012	6 - 4
corner hinge PVC	FBEB0010, FKEB0020	6 - 6
bottom hinge PVC Ø 3x3	FBEL0130, FBLB0060, FKEO0010, FKEU0010	6 - 8
bottom hinge PVC Ø 3x3 MB	FBEL0090, FKEO0010, FKEU0010	6 - 10
stay hinge DH PVC	707470, 707432, 707449, 707586, 707456, 707494, 707500, 707517, FKWB0010	6 - 12
top hinge DH PVC Ø 3x3	707616, FBSB0010, FKSL0010	6 - 14
sash hinge PVC 12/..	704790, 704752, 704776, 704813, FKWB0010	6 - 15
tilt sash hinge PVC 12/..	704707, 704660, 704677, 704684, 704738, FKWB0010	6 - 16
Window frame clearance timber 12 mm		6 - 18
rebate corner hinge H-12/..	706664, 706688, 862780, 894019, 894026, 861929, FFDS0011, FFDS0012, FKFE0011, FKFE0012	6 - 19
rebate corner hinge A0175 H-12/..	700273, 700396, 862780, 894019, 894026, 861929, FFDS0011, FFDS0012, FKFE0011, FKFE0012	6 - 21
bottom hinge H-12/..	FBEL0010, FBLB0060, 700617, 700624, FKEO0010, FKEU0010	6 - 24
bottom hinge RFA H-12/..	700488, 700570, FBEL0031, FBEL0032, FKEU0010	6 - 26
stay hinge DH H-12/..	704257, 717806, 704264, FBWB0010, FKWB0020	6 - 28
stay hinge RFA DH H	717684, 717714, 719862, FKWB0020	6 - 29
top hinge DH H-12/...	704202, 704219, FBSB0010, FKSL0010	6 - 30



Directory 6 Hinge side Si-line

FAVORIT

Description	Part number	Page
top hinge RFA DH H-12/...	704233, FBSL0020, FBSB0010, FKSL0050	6 - 32
sash hinge H	700778, 722312, 700785, FBFB0010, FKWB0020	6 - 34
tilt sash hinge H	700754, 700761, 722404, FBKF0010, FKWB0020	6 - 35
tilt sash hinge RFA H-12/...	717745, 717752, FBKF0060, FBKF0040, FKWB0010	6 - 36

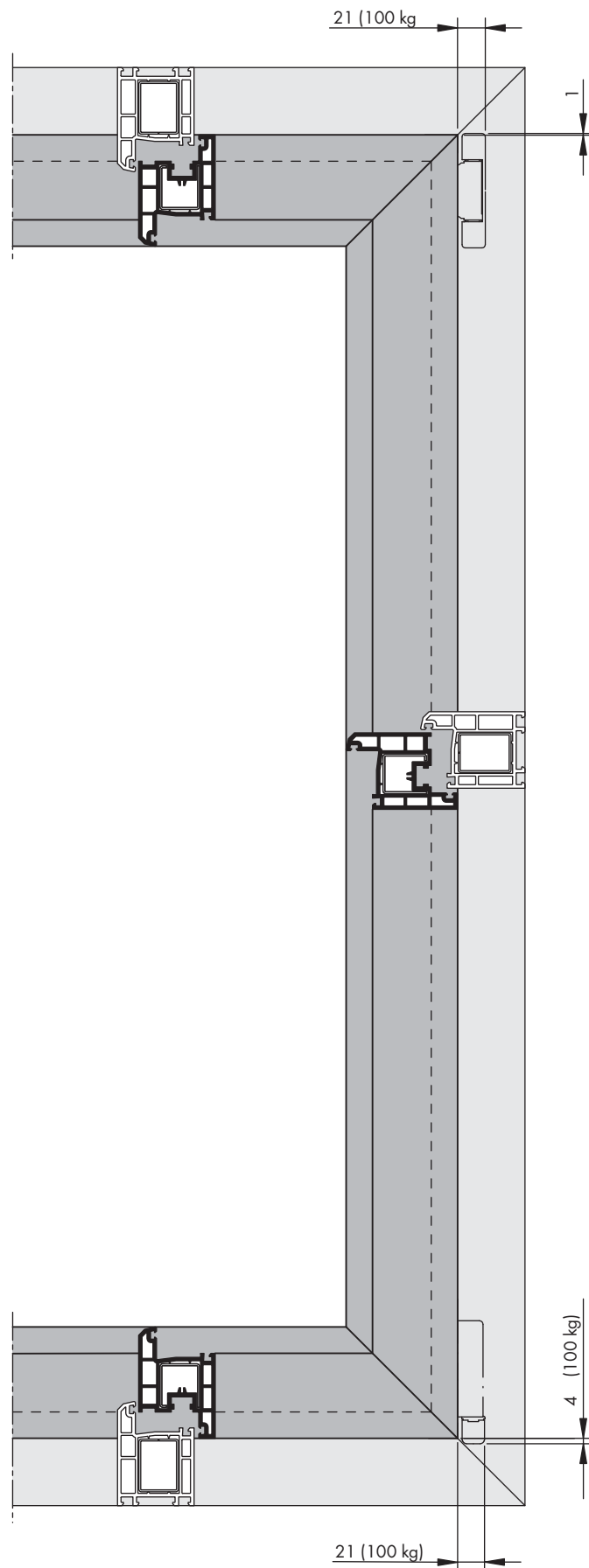


Window frame clearance PVC

(including cover cap)

Hinge side Si-line

FAVORIT






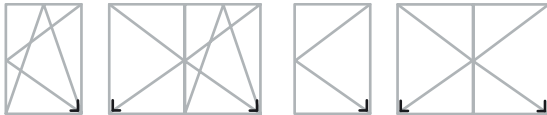
rebate cor.hinge PVC 12/...

Hinge side Si-line

TITAN

Technical information

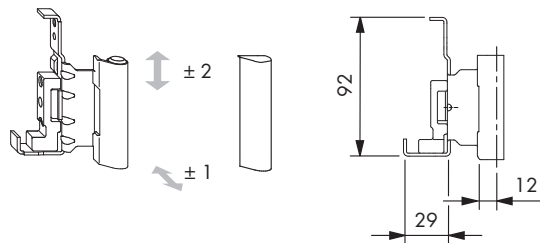
Part number	Description	Airgap	rebate width	Groove axis	sash weight	
704509	rebate corner hinge PVC 12/18-9 rh.	12	18	9	130 kg	4
704561	rebate corner hinge PVC 12/18-9 lh.	12	18	9	130 kg	4
FBFE1021-...	rebate corner hinge PVC 12/20-9 rh.	12	20	9	130 kg	4
FBFE1022-...	rebate corner hinge PVC 12/20-9 lh.	12	20	9	130 kg	4
FBFE1041-...	rebate corner hinge PVC 12/20-13 rh.	12	20	13	130 kg	4
FBFE1042-...	rebate corner hinge PVC 12/20-13 lh.	12	20	13	130 kg	4
713174	rebate corner hinge PVC 12/21-9 rh.	12	21	9	130 kg	4
713181	rebate corner hinge PVC 12/21-9 lh.	12	21	9	130 kg	4
713198	rebate corner hinge PVC 12/21-13 rh.	12	21	13	130 kg	4
713204	rebate corner hinge PVC 12/21-13 lh.	12	21	13	130 kg	4
FKFE0011-...	cover cap FEB rh.	-	-	-	-	-
FKFE0012-...	cover cap FEB lh.	-	-	-	-	-



- Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"





rebate cor.hinge PVC 12/...

Hinge side Si-line

TITAN

Sales information

Description	Part number	Surface	Colour	Box quantity
rebate corner hinge PVC 12/18-9 rh.	704509	Titan Silver	without	1 pc
	280485	Titan Silver	without	50 pcs
rebate corner hinge PVC 12/18-9 lh.	704561	Titan Silver	without	1 pc
	280577	Titan Silver	without	50 pcs
rebate corner hinge PVC 12/20-9 rh.	FBFE1021-10001_	Titan Silver	without	1 pc
	FBFE1021-10005_	Titan Silver	without	50 pcs
rebate corner hinge PVC 12/20-9 lh.	FBFE1022-10001_	Titan Silver	without	1 pc
	FBFE1022-10005_	Titan Silver	without	50 pcs
rebate corner hinge PVC 12/20-13 rh.	FBFE1041-10001_	Titan Silver	without	1 pc
	FBFE1041-10005_	Titan Silver	without	50 pcs
	FBFE1041-10201_	Titan Silver	RAL9003	1 pc
	FBFE1041-10204_	Titan Silver	RAL9003	25 pcs
rebate corner hinge PVC 12/20-13 lh.	FBFE1042-10001_	Titan Silver	without	1 pc
	FBFE1042-10005_	Titan Silver	without	50 pcs
	FBFE1042-10201_	Titan Silver	RAL9003	1 pc
	FBFE1042-10204_	Titan Silver	RAL9003	25 pcs
rebate corner hinge PVC 12/21-9 rh.	713174	Titan Silver	without	1 pc
rebate corner hinge PVC 12/21-9 lh.	713181	Titan Silver	without	1 pc
rebate corner hinge PVC 12/21-13 rh.	713198	Titan Silver	without	1 pc
	294604	Titan Silver	without	50 pcs
rebate corner hinge PVC 12/21-13 lh.	713204	Titan Silver	without	1 pc
	294628	Titan Silver	without	50 pcs
cover cap FEB rh.	FKFE0011-00201_	neutral	RAL9003	1 pc
	FKFE0011-00206_	neutral	RAL9003	100 pcs
	FKFE0011-00208_	neutral	RAL9003	500 pcs
	FKFE0011-01101_	neutral	RAL8019	1 pc
	FKFE0011-01106_	neutral	RAL8019	100 pcs
	FKFE0011-01108_	neutral	RAL8019	500 pcs
	FKFE0011-02501_	neutral	Si-silver	1 pc
	FKFE0011-02508_	neutral	Si-silver	500 pcs
cover cap FEB lh.	FKFE0012-00201_	neutral	RAL9003	1 pc
	FKFE0012-00206_	neutral	RAL9003	100 pcs
	FKFE0012-00208_	neutral	RAL9003	500 pcs
	FKFE0012-01101_	neutral	RAL8019	1 pc
	FKFE0012-01106_	neutral	RAL8019	100 pcs
	FKFE0012-01108_	neutral	RAL8019	500 pcs
	FKFE0012-02501_	neutral	Si-silver	1 pc
	FKFE0012-02508_	neutral	Si-silver	500 pcs




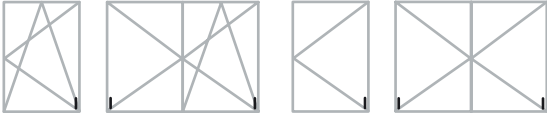
corner hinge PVC

Hinge side Si-line

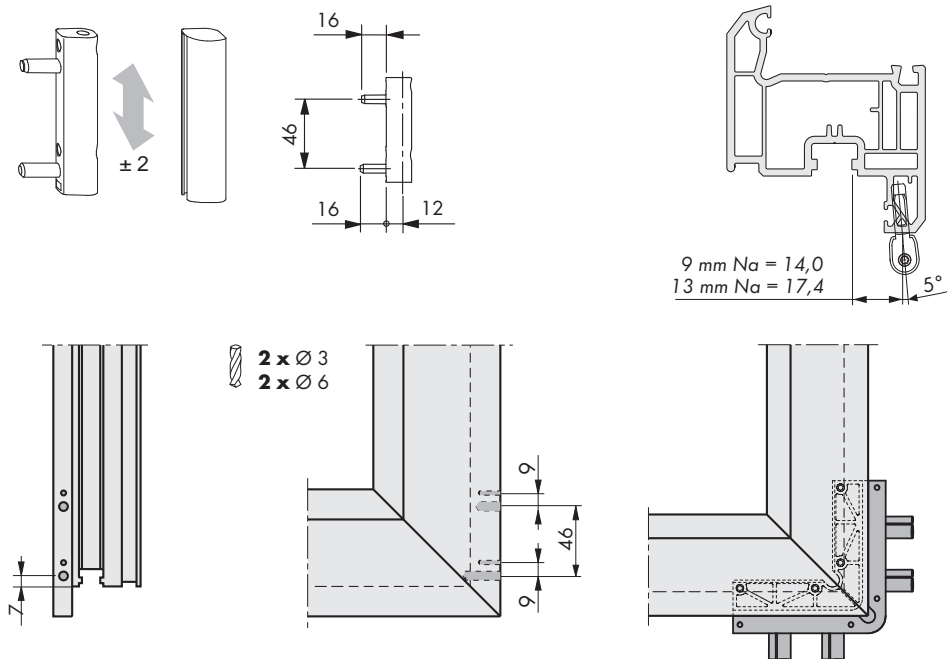
TITAN

Technical information

Part number	Description	sash weight	
FBEB0010...	corner hinge PVC diam.6x16/16	100 kg	2
FKEB0020...	cover cap EB	-	-



- Applicable on 18-22 mm rebate width
- Jig refer to PDB, line item FABLEB
- The specifications on the groove axis (Na) are theoretical values that may vary, depending on profile tolerances and gasket versions.
- **Please observe:**
Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)
Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"





corner hinge PVC

Hinge side Si-line

TITAN

Sales information

Description	Part number	Surface	Colour	Box quantity
corner hinge PVC diam.6x16/16	FBE0010-10001_	Titan Silver	without	1 pc
	FBE0010-10006_	Titan Silver	without	100 pcs
cover cap EB	FKEB0020-00201_	neutral	RAL9003	1 pc
	FKEB0020-00206_	neutral	RAL9003	100 pcs
	FKEB0020-00208_	neutral	RAL9003	500 pcs
	FKEB0020-01101_	neutral	RAL8019	1 pc
	FKEB0020-01106_	neutral	RAL8019	100 pcs
	FKEB0020-01108_	neutral	RAL8019	500 pcs




bottom hinge PVC Ø 3x3

Hinge side Si-line

TITAN

Technical information

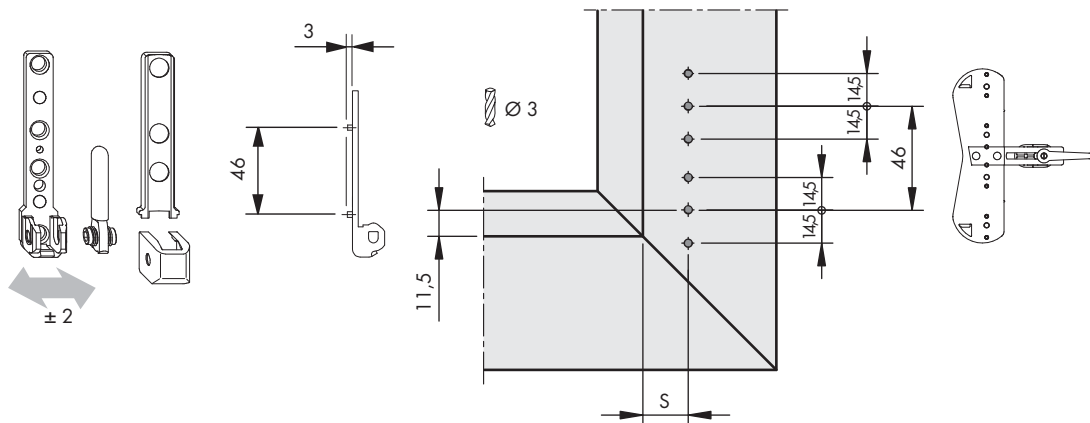
Part number	Description	sash weight	
FBELO130-...	bottom hinge PVC diam.3x3	100 kg	4
FBLB0060-...	bottom hinge pin diam.7	-	-
FKEO0010-...	cover cap EL O	-	-
FKEU0010-...	cover cap EL U	-	-



- For Dimension S refer to PDB
- Jig refer to PDB, line item FABL3
- **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"





bottom hinge PVC Ø 3x3
Hinge side Si-line

TITAN

Sales information

Description	Part number	Surface	Colour	Box quantity
bottom hinge PVC diam.3x3	FBEL0130-10001_	Titan Silver	without	1 pc
	FBEL0130-10006_	Titan Silver	without	100 pcs
	FBEL0130-10007_	Titan Silver	without	250 pcs
bottom hinge pin diam.7	FBLB0060-10001_	Titan Silver	without	1 pc
	FBLB0060-10006_	Titan Silver	without	100 pcs
	FBLB0060-10008_	Titan Silver	without	500 pcs
cover cap EL O	FKEO0010-00201_	neutral	RAL9003	1 pc
	FKEO0010-00206_	neutral	RAL9003	100 pcs
	FKEO0010-00208_	neutral	RAL9003	500 pcs
	FKEO0010-01101_	neutral	RAL8019	1 pc
	FKEO0010-01106_	neutral	RAL8019	100 pcs
	FKEO0010-01108_	neutral	RAL8019	500 pcs
cover cap EL U	FKEU0010-00201_	neutral	RAL9003	1 pc
	FKEU0010-00206_	neutral	RAL9003	100 pcs
	FKEU0010-00208_	neutral	RAL9003	500 pcs
	FKEU0010-01101_	neutral	RAL8019	1 pc
	FKEU0010-01106_	neutral	RAL8019	100 pcs
	FKEU0010-01108_	neutral	RAL8019	500 pcs




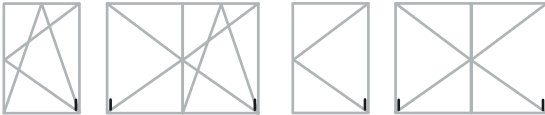
bottom hinge PVC Ø 3x3 MB

Hinge side Si-line

TITAN

Technical information

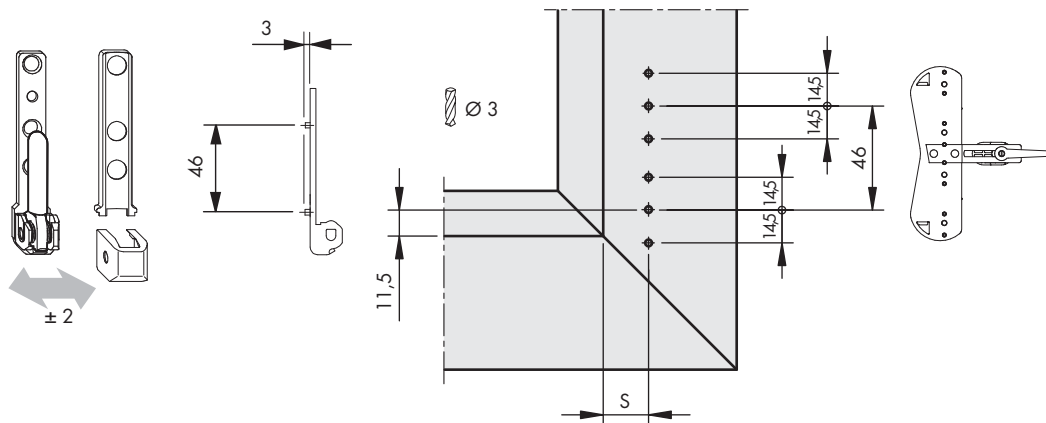
Part number	Description	sash weight	
FBEL0090...	bottom hinge PVC diam.3x3 MB	100 kg	4
FKEO0010...	cover cap EL O	-	-
FKEU0010...	cover cap EL U	-	-



- For Dimension S refer to PDB
- Jig refer to PDB, line item FABL3
- **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"





bottom hinge PVC Ø 3x3 MB

Hinge side Si-line

TITAN

Sales information

Description	Part number	Surface	Colour	Box quantity
bottom hinge PVC diam.3x3 MB	FBEL0090-10001_	Titan Silver	without	1 pc
	FBEL0090-10006_	Titan Silver	without	100 pcs
cover cap EL O	FKEO0010-00201_	neutral	RAL9003	1 pc
	FKEO0010-00206_	neutral	RAL9003	100 pcs
	FKEO0010-00208_	neutral	RAL9003	500 pcs
	FKEO0010-01101_	neutral	RAL8019	1 pc
	FKEO0010-01106_	neutral	RAL8019	100 pcs
	FKEO0010-01108_	neutral	RAL8019	500 pcs
cover cap EL U	FKEU0010-00201_	neutral	RAL9003	1 pc
	FKEU0010-00206_	neutral	RAL9003	100 pcs
	FKEU0010-00208_	neutral	RAL9003	500 pcs
	FKEU0010-01101_	neutral	RAL8019	1 pc
	FKEU0010-01106_	neutral	RAL8019	100 pcs
	FKEU0010-01108_	neutral	RAL8019	500 pcs



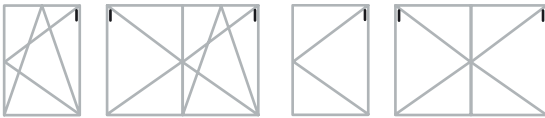
stay hinge DH PVC

Hinge side Si-line

TITAN

Technical information

Part number	Description	Airgap	rebate width	Groove axis	sash weight
707470	stay hinge DH PVC 12/18-9	12	18	9	130 kg
707432	stay hinge DH PVC 12/20-9	12	20	9	130 kg
707449	stay hinge DH PVC 12/20-10	12	20	10	130 kg
707586	stay hinge DH PVC 12/20-12,3	12	20	12,30	130 kg
707456	stay hinge DH PVC 12/20-13	12	20	13	130 kg
707494	stay hinge DH PVC 12/21-9	12	21	9	130 kg
707500	stay hinge DH PVC 12/21-13	12	21	13	130 kg
707517	stay hinge DH PVC 12/22-9	12	22	9	130 kg
FKWB0010-...	cover cap W PVC	-	-	-	-

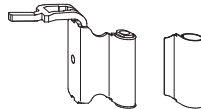


- Notch out the sash overlap gasket in the vicinity of the hinge clearance!

- **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"





stay hinge DH PVC

Hinge side Si-line

TITAN

Sales information

Description	Part number	Surface	Colour	Box quantity
stay hinge DH PVC 12/18-9	707470	Titan Silver	without	1 pc
	283684	Titan Silver	without	50 pcs
stay hinge DH PVC 12/20-9	707432	Titan Silver	without	1 pc
	283615	Titan Silver	without	50 pcs
stay hinge DH PVC 12/20-10	707449	Titan Silver	without	1 pc
	283639	Titan Silver	without	50 pcs
stay hinge DH PVC 12/20-12,3	707586	Titan Silver	without	1 pc
	283790	Titan Silver	without	50 pcs
stay hinge DH PVC 12/20-13	707456	Titan Silver	without	1 pc
	283653	Titan Silver	without	50 pcs
	713419	Titan Silver	RAL9003	1 pc
	295472	Titan Silver	RAL9003	50 pcs
stay hinge DH PVC 12/21-9	707494	Titan Silver	without	1 pc
stay hinge DH PVC 12/21-13	707500	Titan Silver	without	1 pc
	283714	Titan Silver	without	50 pcs
	718667	Titan Silver	RAL9003	1 pc
	306451	Titan Silver	RAL9003	50 pcs
stay hinge DH PVC 12/22-9	707517	Titan Silver	without	1 pc
	283721	Titan Silver	without	50 pcs
cover cap W PVC	FKWB0010-00201_	neutral	RAL9003	1 pc
	FKWB0010-00206_	neutral	RAL9003	100 pcs
	FKWB0010-00208_	neutral	RAL9003	500 pcs
	FKWB0010-01101_	neutral	RAL8019	1 pc
	FKWB0010-01106_	neutral	RAL8019	100 pcs
	FKWB0010-01108_	neutral	RAL8019	500 pcs



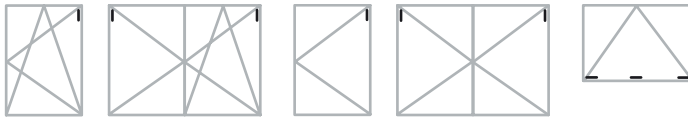
top hinge DH PVC Ø 3x3

Hinge side Si-line

TITAN

Technical information

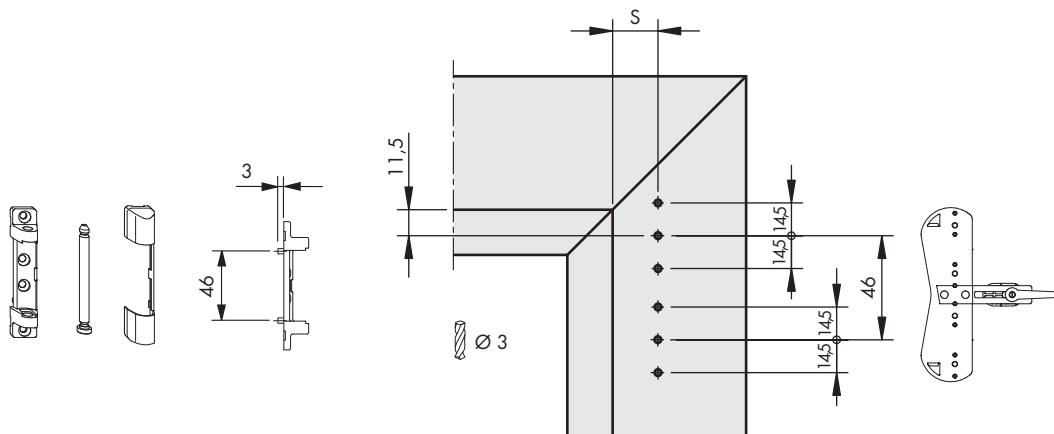
Part number	Description	sash weight
FBSL0010-...	top hinge DH PVC diam.3x3	100 kg
FBSB0010-...	top hinge pin diam.6	-
FKSL0010-...	cover cap S	-



- Jig refer to PDB, line item FABL3
- Jig for use with tilt sash hinge refer to PDB, line item FAASAW
- For Dimension S refer to PDB
- **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information

Description	Part number	Surface	Colour	Box quantity
top hinge DH PVC diam.3x3	FBSL0010-10006_	Titan Silver	without	100 pcs
	283844	Titan Silver	without	250 pcs
top hinge pin diam.6	FBSB0010-10001_	Titan Silver	without	1 pc
	FBSB0010-10006_	Titan Silver	without	100 pcs
	280010	Titan Silver	without	500 pcs
cover cap S	FKSL0010-00201_	neutral	RAL9003	1 pc
	FKSL0010-00206_	neutral	RAL9003	100 pcs
	FKSL0010-00208_	neutral	RAL9003	500 pcs
	FKSL0010-01101_	neutral	RAL8019	1 pc
	FKSL0010-01106_	neutral	RAL8019	100 pcs
	FKSL0010-01108_	neutral	RAL8019	500 pcs




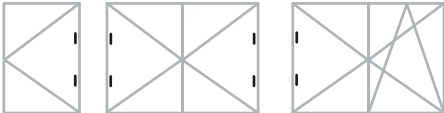
sash hinge PVC 12/..

Hinge side Si-line

TITAN

Technical information

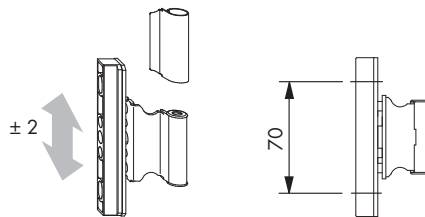
Part number	Description	Airgap	rebate width	Groove axis	sash weight	
704790	sash hinge PVC 12/18-9	12	18	9	130 kg	2
704752	sash hinge PVC 12/20-9	12	20	9	130 kg	2
704776	sash hinge PVC 12/20-13	12	20	13	130 kg	2
704813	sash hinge PVC 12/21-13	12	21	13	130 kg	2
FKWB0010-...	cover cap W PVC	-	-	-	-	-



- Notch out the sash overlap gasket in the vicinity of the hinge clearance!
- Automatic lateral adjustment of ± 2 mm
- **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information

Description	Part number	Surface	Colour	Box quantity
sash hinge PVC 12/18-9	704790	Titan Silver	without	1 pc
	280843	Titan Silver	without	50 pcs
sash hinge PVC 12/20-9	704752	Titan Silver	without	1 pc
	280805	Titan Silver	without	50 pcs
sash hinge PVC 12/20-13	704776	Titan Silver	without	1 pc
	280829	Titan Silver	without	50 pcs
sash hinge PVC 12/21-13	704813	Titan Silver	without	1 pc
	280867	Titan Silver	without	50 pcs
cover cap W PVC	FKWB0010-00201_	neutral	RAL9003	1 pc
	FKWB0010-00206_	neutral	RAL9003	100 pcs
	FKWB0010-00208_	neutral	RAL9003	500 pcs
	FKWB0010-01101_	neutral	RAL8019	1 pc
	FKWB0010-01106_	neutral	RAL8019	100 pcs
	FKWB0010-01108_	neutral	RAL8019	500 pcs




tilt sash hinge PVC 12/..

Hinge side Si-line

TITAN

Technical information

Part number	Description	Airgap	rebate width	Groove axis	sash weight	
704707	tilt sash hinge PVC 12/18-9	12	18	9	50 kg	2
704660	tilt sash hinge PVC 12/20-9	12	20	9	50 kg	2
704677	tilt sash hinge PVC 12/20-10	12	20	10	50 kg	2
704684	tilt sash hinge PVC 12/20-13	12	20	13	50 kg	2
704738	tilt sash hinge PVC 12/21-13	12	21	13	50 kg	2
FKWB0010-...	cover cap W PVC	-	-	-	-	-

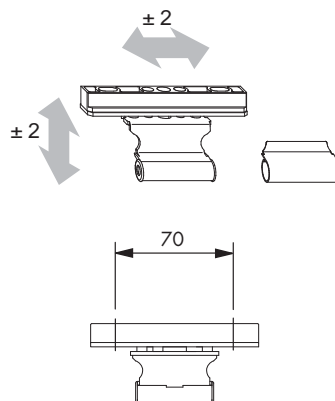


- Notch out the sash overlap gasket in the vicinity of the hinge clearance!

- **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



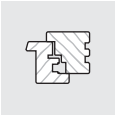


tilt sash hinge PVC 12/..
Hinge side Si-line

TITAN

Sales information

Description	Part number	Surface	Colour	Box quantity
tilt sash hinge PVC 12/18-9	704707	Titan Silver	without	1 pc
	280751	Titan Silver	without	50 pcs
tilt sash hinge PVC 12/20-9	704660	Titan Silver	without	1 pc
	280713	Titan Silver	without	50 pcs
tilt sash hinge PVC 12/20-10	704677	Titan Silver	without	1 pc
	280720	Titan Silver	without	50 pcs
tilt sash hinge PVC 12/20-13	704684	Titan Silver	without	1 pc
	280737	Titan Silver	without	50 pcs
	719114	Titan Silver	RAL9003	1 pc
	307267	Titan Silver	RAL9003	50 pcs
tilt sash hinge PVC 12/21-13	704738	Titan Silver	without	1 pc
	280782	Titan Silver	without	50 pcs
cover cap W PVC	FKWB0010-00201_	neutral	RAL9003	1 pc
	FKWB0010-00206_	neutral	RAL9003	100 pcs
	FKWB0010-00208_	neutral	RAL9003	500 pcs
	FKWB0010-01101_	neutral	RAL8019	1 pc
	FKWB0010-01106_	neutral	RAL8019	100 pcs
	FKWB0010-01108_	neutral	RAL8019	500 pcs

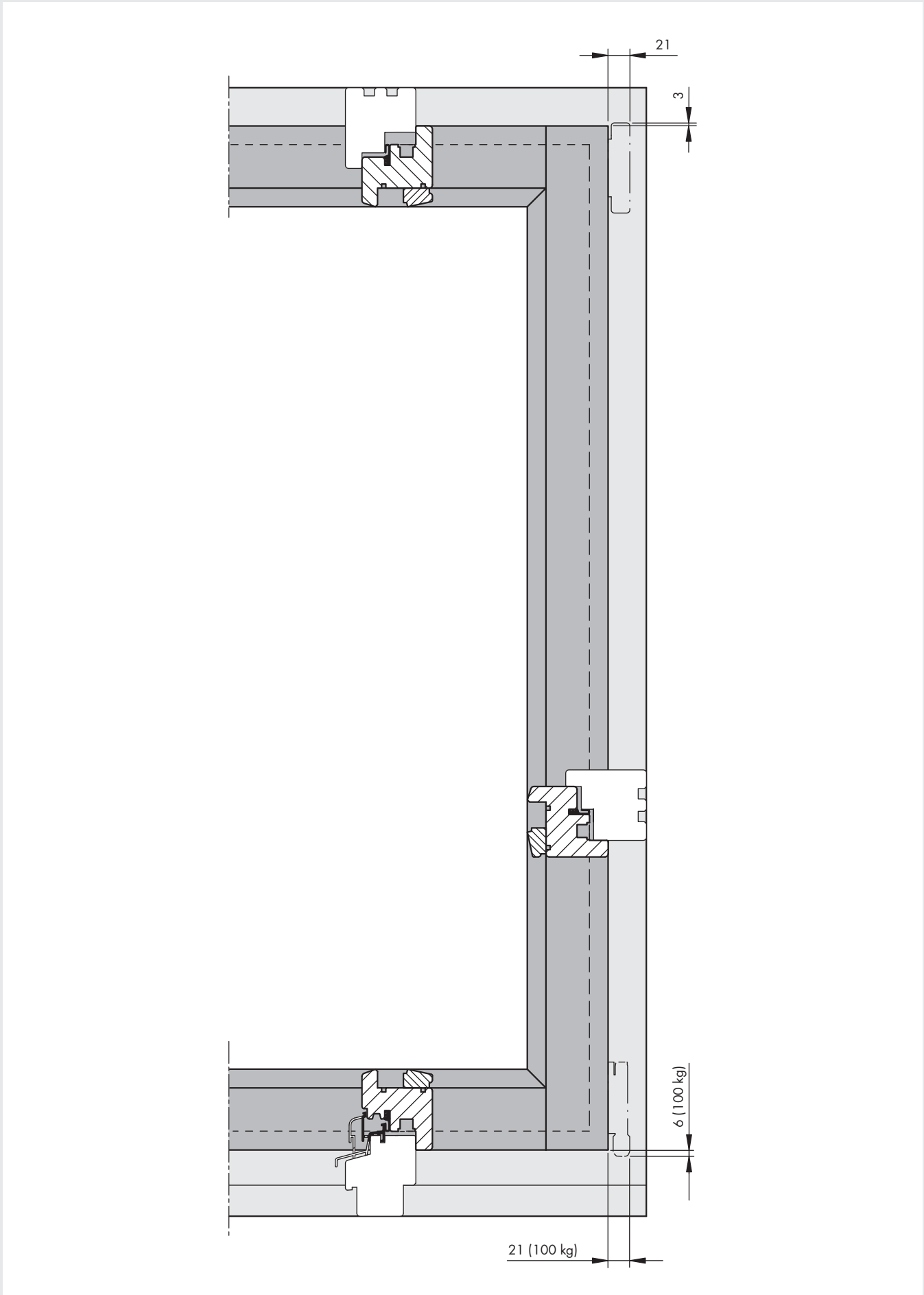


Window frame clearance 12-mm timber

(including cover cap)

Hinge side Si-line

FAVORIT




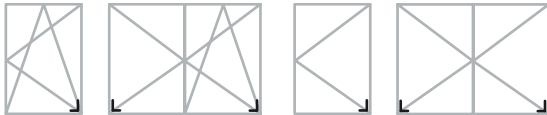


rebate corner hinge H-12/ Hinge side Si-line

TITAN

Technical information

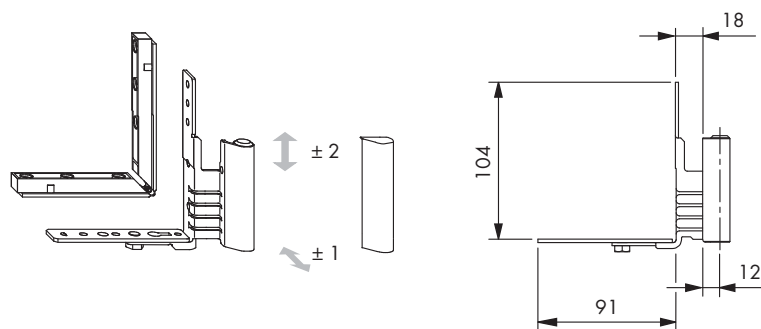
Part number	Description	Airgap	rebate width	Groove axis	sash weight	
706664	rebate corner hinge timber 12/18-9 rh.	12	18	9	130 kg	8
706688	rebate corner hinge timber 12/18-9 lh.	12	18	9	130 kg	8
862780	dist pce with groove H 12/18-9	12	18	9	-	-
894019	dist pce with groove H 12/18-13 rh.	12	18	13	-	-
894026	dist pce with groove H 12/18-13 lh.	12	18	13	-	-
861929	dist pce with groove H 12/20-9	12	20	9	-	-
FFDS0011-...	dist pce with groove H 12/20-13 rh.	12	20	13	-	-
FFDS0012-...	dist pce with groove H 12/20-13 lh.	12	20	13	-	-
FKFE0011-...	cover cap FEB rh.	-	-	-	-	-
FKFE0012-...	cover cap FEB lh.	-	-	-	-	-



- Please contact our application engineers when using overlap gasket systems
- Always route through when using vertical and horizontal hardware groove spacers
- **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"





rebate corner hinge H-12/ Hinge side Si-line

TITAN

Sales information

Description	Part number	Surface	Colour	Box quantity
rebate corner hinge timber 12/18-9 rh.	706664	Titan Silver	without	1 pc
	283417	Titan Silver	without	50 pcs
	885352	Titan Silver	RAL9003	1 pc
	290187	Titan Silver	RAL9003	50 pcs
rebate corner hinge timber 12/18-9 lh.	706688	Titan Silver	without	1 pc
	283585	Titan Silver	without	50 pcs
	885383	Titan Silver	RAL9003	1 pc
	290224	Titan Silver	RAL9003	50 pcs
dist pce with groove H 12/18-9	862780	neutral	RAL1020	1 pc
	250631	neutral	RAL1020	250 pcs
dist pce with groove H 12/18-13 rh.	894019	neutral	silver	1 pc
	303320	neutral	silver	250 pcs
dist pce with groove H 12/18-13 lh.	894026	neutral	silver	1 pc
	303337	neutral	silver	250 pcs
dist pce with groove H 12/20-9	861929	neutral	RAL1020	1 pc
	249833	neutral	RAL1020	250 pcs
dist pce with groove H 12/20-13 rh.	FFDS0011-02501_	neutral	Si-silver	1 pc
	FFDS0011-02507_	neutral	Si-silver	250 pcs
dist pce with groove H 12/20-13 lh.	FFDS0012-02501_	neutral	Si-silver	1 pc
	FFDS0012-02507_	neutral	Si-silver	250 pcs
cover cap FEB rh.	FKFE0011-00201_	neutral	RAL9003	1 pc
	FKFE0011-00206_	neutral	RAL9003	100 pcs
	FKFE0011-00208_	neutral	RAL9003	500 pcs
	FKFE0011-01101_	neutral	RAL8019	1 pc
	FKFE0011-01106_	neutral	RAL8019	100 pcs
	FKFE0011-01108_	neutral	RAL8019	500 pcs
	FKFE0011-02501_	neutral	Si-silver	1 pc
	FKFE0011-02508_	neutral	Si-silver	500 pcs
cover cap FEB lh.	FKFE0012-00201_	neutral	RAL9003	1 pc
	FKFE0012-00206_	neutral	RAL9003	100 pcs
	FKFE0012-00208_	neutral	RAL9003	500 pcs
	FKFE0012-01101_	neutral	RAL8019	1 pc
	FKFE0012-01106_	neutral	RAL8019	100 pcs
	FKFE0012-01108_	neutral	RAL8019	500 pcs
	FKFE0012-02501_	neutral	Si-silver	1 pc
	FKFE0012-02508_	neutral	Si-silver	500 pcs




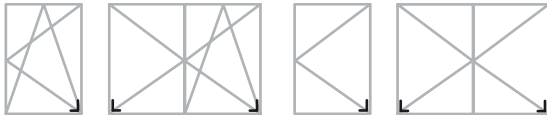
rebate cor.hinge A0175 H

Hinge side Si-line

TITAN

Technical information

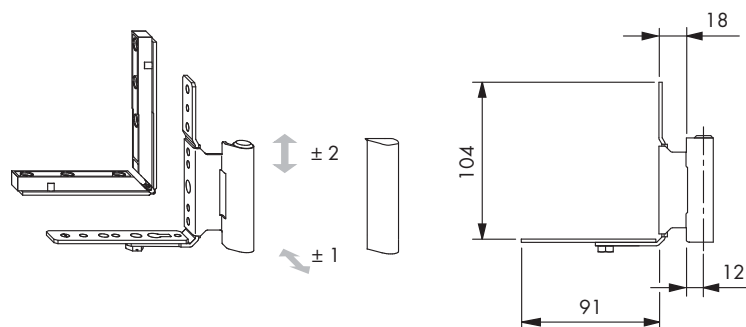
Part number	Description	Airgap	rebate width	Groove axis	sash weight	
700273	rebate corner hinge timber 12/18-9 A0175 rh.	12	18	9	130 kg	6
700396	rebate corner hinge timber 12/18-9 A0175 lh.	12	18	9	130 kg	6
862780	dist pce with groove H 12/18-9	12	18	9	-	-
894019	dist pce with groove H 12/18-13 rh.	12	18	13	-	-
894026	dist pce with groove H 12/18-13 lh.	12	18	13	-	-
861929	dist pce with groove H 12/20-9	12	20	9	-	-
FFDS0011-...	dist pce with groove H 12/20-13 rh.	12	20	13	-	-
FFDS0012-...	dist pce with groove H 12/20-13 lh.	12	20	13	-	-
FKFE0011-...	cover cap FEB rh.	-	-	-	-	-
FKFE0012-...	cover cap FEB lh.	-	-	-	-	-



- Hinge clearance in the over rebate
- Always route through when using vertical and horizontal hardware groove spacers
- **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"





rebate cor.hinge A0175 H

Hinge side Si-line

TITAN

Sales information

Description	Part number	Surface	Colour	Box quantity
rebate corner hinge timber 12/18-9 A0175 rh.	700273	Titan Silver	without	1 pc
	275443	Titan Silver	without	50 pcs
	FBFE0071-10201_	Titan Silver	RAL9003	1 pc
	FBFE0071-10205_	Titan Silver	RAL9003	50 pcs
rebate corner hinge timber 12/18-9 A0175 lh.	700396	Titan Silver	without	1 pc
	275634	Titan Silver	without	50 pcs
	FBFE0072-10201_	Titan Silver	RAL9003	1 pc
	FBFE0072-10205_	Titan Silver	RAL9003	50 pcs
dist pce with groove H 12/18-9	862780	neutral	RAL1020	1 pc
	250631	neutral	RAL1020	250 pcs
dist pce with groove H 12/18-13 rh.	894019	neutral	silver	1 pc
	303320	neutral	silver	250 pcs
dist pce with groove H 12/18-13 lh.	894026	neutral	silver	1 pc
	303337	neutral	silver	250 pcs
dist pce with groove H 12/20-9	861929	neutral	RAL1020	1 pc
	249833	neutral	RAL1020	250 pcs
dist pce with groove H 12/20-13 rh.	FFDS0011-02501_	neutral	Si-silver	1 pc
	FFDS0011-02507_	neutral	Si-silver	250 pcs
dist pce with groove H 12/20-13 lh.	FFDS0012-02501_	neutral	Si-silver	1 pc
	FFDS0012-02507_	neutral	Si-silver	250 pcs
cover cap FEB rh.	FKFE0011-00201_	neutral	RAL9003	1 pc
	FKFE0011-00206_	neutral	RAL9003	100 pcs
	FKFE0011-00208_	neutral	RAL9003	500 pcs
	FKFE0011-01101_	neutral	RAL8019	1 pc
	FKFE0011-01106_	neutral	RAL8019	100 pcs
	FKFE0011-01108_	neutral	RAL8019	500 pcs
	FKFE0011-02501_	neutral	Si-silver	1 pc
	FKFE0011-02508_	neutral	Si-silver	500 pcs
cover cap FEB lh.	FKFE0012-00201_	neutral	RAL9003	1 pc
	FKFE0012-00206_	neutral	RAL9003	100 pcs
	FKFE0012-00208_	neutral	RAL9003	500 pcs
	FKFE0012-01101_	neutral	RAL8019	1 pc
	FKFE0012-01106_	neutral	RAL8019	100 pcs
	FKFE0012-01108_	neutral	RAL8019	500 pcs
	FKFE0012-02501_	neutral	Si-silver	1 pc
	FKFE0012-02508_	neutral	Si-silver	500 pcs

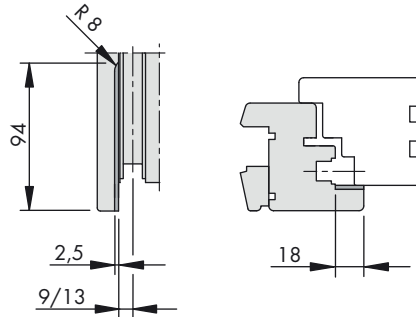


rebate cor.hinge A0175 H
Hinge side Si-line

TITAN

Drill holes and routings

- Sash overlap routing






bottom hinge H-12/...

Hinge side Si-line

TITAN

Technical information

Part number	Description	Airgap	rebate width	sash weight	
FBEL0010-...	bottom hinge timber 12/	12	-	100 kg	4
FBLB0060-...	bottom hinge pin diam.7	-	-	-	-
700617	filling piece H 12/18	12	18	-	-
700624	filling piece H 12/20	12	20	-	-
FKEO0010-...	cover cap EL O	-	-	-	-
FKEU0010-...	cover cap EL U	-	-	-	-

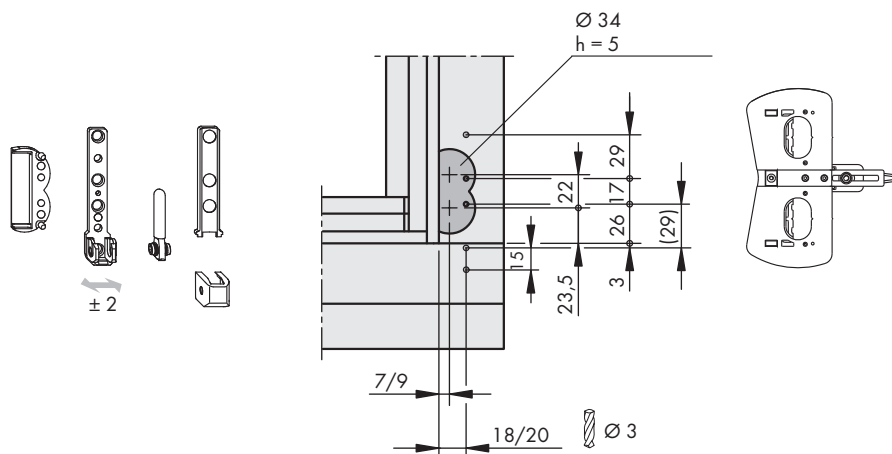


- Jig, refer to PDB, line item FAFSSE

- **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"





bottom hinge H-12/...

Hinge side Si-line

TITAN

Sales information

Description	Part number	Surface	Colour	Box quantity
bottom hinge timber 12/	FBEL0010-10001_	Titan Silver	without	1 pc
	FBEL0010-10006_	Titan Silver	without	100 pcs
bottom hinge pin diam.7	FBLB0060-10001_	Titan Silver	without	1 pc
	FBLB0060-10006_	Titan Silver	without	100 pcs
	FBLB0060-10008_	Titan Silver	without	500 pcs
filling piece H 12/18	700617	Titan Silver	without	1 pc
	275917	Titan Silver	without	500 pcs
filling piece H 12/20	700624	Titan Silver	without	1 pc
	275931	Titan Silver	without	500 pcs
cover cap EL O	FKEO0010-00201_	neutral	RAL9003	1 pc
	FKEO0010-00206_	neutral	RAL9003	100 pcs
	FKEO0010-00208_	neutral	RAL9003	500 pcs
	FKEO0010-01101_	neutral	RAL8019	1 pc
	FKEO0010-01106_	neutral	RAL8019	100 pcs
	FKEO0010-01108_	neutral	RAL8019	500 pcs
cover cap EL U	FKEU0010-00201_	neutral	RAL9003	1 pc
	FKEU0010-00206_	neutral	RAL9003	100 pcs
	FKEU0010-00208_	neutral	RAL9003	500 pcs
	FKEU0010-01101_	neutral	RAL8019	1 pc
	FKEU0010-01106_	neutral	RAL8019	100 pcs
	FKEU0010-01108_	neutral	RAL8019	500 pcs




bottom hinge RFA H-12/..

Hinge side Si-line RFA

TITAN

Technical information

Part number	Description	Airgap	rebate width	sash weight	
700488	bot.hinge RFA w.fill.pc.timber 12/18 A0175 rh.	12	18	100 kg	4
700570	bot.hinge RFA w.fill.pc.timber 12/18 A0175 lh.	12	18	100 kg	4
FBEL0031-...	bot.hinge RFA w.fill.pc.timber 12/20 A0175 rh.	12	20	100 kg	4
FBEL0032-...	bot.hinge RFA w.fill.pc.timber 12/20 A0175 lh.	12	20	100 kg	4
FKEU0010-...	cover cap EL U	-	-	-	-

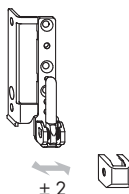


- For jigless frame installation
- Hinge clearance in the over rebate

• **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information

Description	Part number	Surface	Colour	Box quantity
bot.hinge RFA w.fill.pc.timber 12/18 A0175 rh.	700488	Titan Silver	without	1 pc
	275757	Titan Silver	without	100 pcs
	FBEL0141-10201_	Titan Silver	RAL9003	1 pc
	FBEL0141-10206_	Titan Silver	RAL9003	100 pcs
bot.hinge RFA w.fill.pc.timber 12/18 A0175 lh.	700570	Titan Silver	without	1 pc
	275863	Titan Silver	without	100 pcs
	FBEL0142-10201_	Titan Silver	RAL9003	1 pc
	FBEL0142-10206_	Titan Silver	RAL9003	100 pcs
bot.hinge RFA w.fill.pc.timber 12/20 A0175 rh.	FBEL0031-10001_	Titan Silver	without	1 pc
	FBEL0031-10006_	Titan Silver	without	100 pcs
bot.hinge RFA w.fill.pc.timber 12/20 A0175 lh.	FBEL0032-10001_	Titan Silver	without	1 pc
	FBEL0032-10006_	Titan Silver	without	100 pcs
cover cap EL U	FKEU0010-00201_	neutral	RAL9003	1 pc
	FKEU0010-00206_	neutral	RAL9003	100 pcs
	FKEU0010-00208_	neutral	RAL9003	500 pcs
	FKEU0010-01101_	neutral	RAL8019	1 pc
	FKEU0010-01106_	neutral	RAL8019	100 pcs
	FKEU0010-01108_	neutral	RAL8019	500 pcs

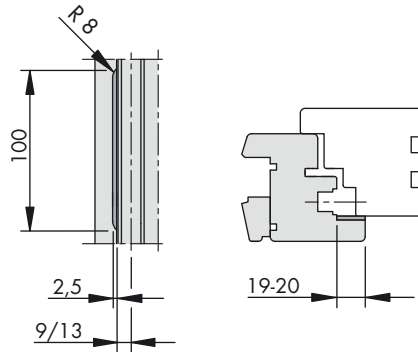


bottom hinge RFA H-12/..
Hinge side Si-line RFA

TITAN

Drill holes and routings

- Sash overlap routing





stay hinge DH H/12..

Hinge side Si-line

TITAN

Technical information

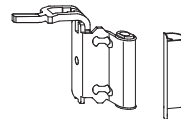
Part number	Description	Airgap	rebate width	Groove axis	sash weight
704257	stay hinge DH timber 12/18-9	12	18	9	130 kg
717806	stay hinge DH timber 12/18-13	12	18	13	130 kg
704264	stay hinge DH timber 12/20-9	12	20	9	130 kg
FBWB0010-...	stay hinge DH timber 12/20-13	12	20	13	130 kg
FKWB0020-...	cover cap W timber	-	-	-	-



• **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information

Description	Part number	Surface	Colour	Box quantity
stay hinge DH timber 12/18-9	704257	Titan Silver	without	1 pc
	280102	Titan Silver	without	50 pcs
stay hinge DH timber 12/18-13	717806	Titan Silver	without	1 pc
	303313	Titan Silver	without	50 pcs
stay hinge DH timber 12/20-9	704264	Titan Silver	without	1 pc
	280126	Titan Silver	without	50 pcs
stay hinge DH timber 12/20-13	FBWB0010-10001_	Titan Silver	without	1 pc
	FBWB0010-10005_	Titan Silver	without	50 pcs
cover cap W timber	FKWB0020-00201_	neutral	RAL9003	1 pc
	FKWB0020-00206_	neutral	RAL9003	100 pcs
	FKWB0020-00208_	neutral	RAL9003	500 pcs
	FKWB0020-01101_	neutral	RAL8019	1 pc
	FKWB0020-01108_	neutral	RAL8019	500 pcs



stay hinge RFA DH H

Hinge side Si-line

TITAN

Technical information

Part number	Description	Airgap	rebate width	Groove axis	sash weight
717684	stay hinge RFA DH timber 12/18-9 A0175	12	18	9	130 kg
717714	stay hinge RFA DH timber 12/20-9 A0175	12	20	9	130 kg
719862	stay hinge RFA DH timber 12/20-13 A0175	12	20	13	130 kg
FKWB0020-...	cover cap W timber	-	-	-	-

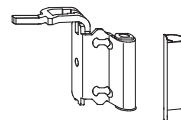


- Hinge clearance in the over rebate

- **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information

Description	Part number	Surface	Colour	Box quantity
stay hinge RFA DH timber 12/18-9 A0175	717684	Titan Silver	without	1 pc
	302859	Titan Silver	without	50 pcs
stay hinge RFA DH timber 12/20-9 A0175	717714	Titan Silver	without	1 pc
stay hinge RFA DH timber 12/20-13 A0175	719862	Titan Silver	without	1 pc
	309841	Titan Silver	without	50 pcs
	722718	Titan Silver	RAL9003	1 pc
	316825	Titan Silver	RAL9003	50 pcs
cover cap W timber	FKWB0020-00201_	neutral	RAL9003	1 pc
	FKWB0020-00206_	neutral	RAL9003	100 pcs
	FKWB0020-00208_	neutral	RAL9003	500 pcs
	FKWB0020-01101_	neutral	RAL8019	1 pc
	FKWB0020-01108_	neutral	RAL8019	500 pcs




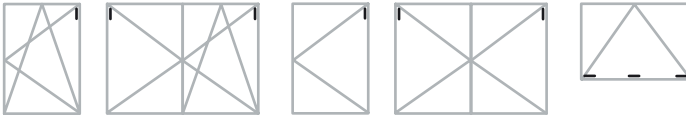
top hinge DH H-12/..

Hinge side Si-line

TITAN

Technical information

Part number	Description	Airgap	rebate width	sash weight	
704202	top hinge DH timber 12/18	12	18	130 kg	6
704219	top hinge DH timber 12/20	12	20	130 kg	6
FBSB0010-...	top hinge pin diam.6	-	-	-	-
FKSL0010-...	cover cap S	-	-	-	-

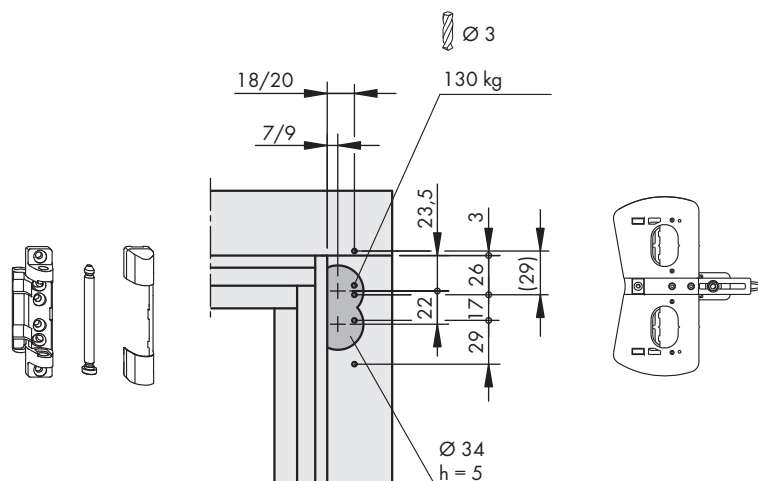


- Jig, refer to PDB, line item FAFSSE

- **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"





top hinge DH H-12/..
Hinge side Si-line

TITAN

Sales information

Description	Part number	Surface	Colour	Box quantity
top hinge DH timber 12/18	704202	Titan Silver	without	1 pc
	280034	Titan Silver	without	100 pcs
	848128	Titan Silver	RAL9003	1 pc
	238516	Titan Silver	RAL9003	100 pcs
top hinge DH timber 12/20	704219	Titan Silver	without	1 pc
	280058	Titan Silver	without	100 pcs
	848135	Titan Silver	RAL9003	1 pc
	238523	Titan Silver	RAL9003	100 pcs
top hinge pin diam.6	FBSB0010-10001_	Titan Silver	without	1 pc
	FBSB0010-10006_	Titan Silver	without	100 pcs
	280010	Titan Silver	without	500 pcs
cover cap S	FKSL0010-00201_	neutral	RAL9003	1 pc
	FKSL0010-00206_	neutral	RAL9003	100 pcs
	FKSL0010-00208_	neutral	RAL9003	500 pcs
	FKSL0010-01101_	neutral	RAL8019	1 pc
	FKSL0010-01106_	neutral	RAL8019	100 pcs
	FKSL0010-01108_	neutral	RAL8019	500 pcs




top hinge RFA DH H-12/..

Hinge side Si-line RFA

TITAN

Technical information

Part number	Description	Airgap	rebate width	sash weight	
704233	top hinge RFA DH timber 12/18	12	18	100 kg	6
FBSL0020-...	top hinge RFA DH timber 12/20	12	20	100 kg	6
FBSB0010-...	top hinge pin diam.6	-	-	-	-
FKSL0050-...	cover cap S RFA A0175	-	-	-	-

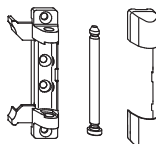


- For jigless frame installation
- Hinge clearance in the over rebate

• **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information

Description	Part number	Surface	Colour	Box quantity
top hinge RFA DH timber 12/18	704233	Titan Silver	without	1 pc
	280089	Titan Silver	without	100 pcs
	FBSL0120-10201_	Titan Silver	RAL9003	1 pc
	FBSL0120-10206_	Titan Silver	RAL9003	100 pcs
top hinge RFA DH timber 12/20	FBSL0020-10001_	Titan Silver	without	1 pc
	FBSL0020-10006_	Titan Silver	without	100 pcs
top hinge pin diam.6	FBSB0010-10001_	Titan Silver	without	1 pc
	FBSB0010-10006_	Titan Silver	without	100 pcs
	280010	Titan Silver	without	500 pcs
cover cap S RFA A0175	FKSL0050-00201_	neutral	RAL9003	1 pc
	FKSL0050-00206_	neutral	RAL9003	100 pcs
	FKSL0050-00207_	neutral	RAL9003	250 pcs
	FKSL0050-01101_	neutral	RAL8019	1 pc
	FKSL0050-01107_	neutral	RAL8019	250 pcs



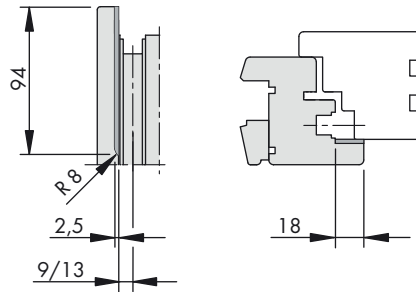
top hinge RFA DH H-12/..

Hinge side Si-line RFA

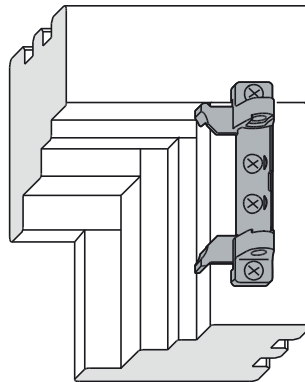
TITAN

Drill holes and routings

- Sash overlap routing



Installation advice





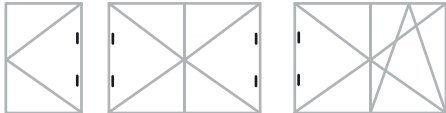
sash hinge H..

Hinge side Si-line

TITAN

Technical information

Part number	Description	Airgap	rebate width	Groove axis	sash weight	
700778	sash hinge timber 12/18-9	12	18	9	130 kg	2
722312	sash hinge timber 12/18-13	12	18	13	130 kg	2
700785	sash hinge timber 12/20-9	12	20	9	130 kg	2
FBFB0010-...	sash hinge timber 12/20-13	12	20	13	130 kg	2
FKWB0020-...	cover cap W timber	-	-	-	-	-

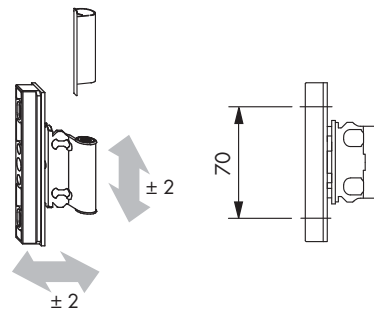


- Automatic lateral adjustment of ± 2 mm

- **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information

Description	Part number	Surface	Colour	Box quantity
sash hinge timber 12/18-9	700778	Titan Silver	without	1 pc
	276099	Titan Silver	without	50 pcs
sash hinge timber 12/18-13	722312	Titan Silver	without	1 pc
	316047	Titan Silver	without	50 pcs
sash hinge timber 12/20-9	700785	Titan Silver	without	1 pc
	276105	Titan Silver	without	50 pcs
	FBFB0030-10201_	Titan Silver	RAL9003	1 pc
	FBFB0030-10205_	Titan Silver	RAL9003	50 pcs
sash hinge timber 12/20-13	FBFB0010-10001_	Titan Silver	without	1 pc
	FBFB0010-10005_	Titan Silver	without	50 pcs
cover cap W timber	FKWB0020-00201_	neutral	RAL9003	1 pc
	FKWB0020-00206_	neutral	RAL9003	100 pcs
	FKWB0020-00208_	neutral	RAL9003	500 pcs
	FKWB0020-01101_	neutral	RAL8019	1 pc
	FKWB0020-01108_	neutral	RAL8019	500 pcs




tilt sash hinge H..

Hinge side Si-line

TITAN

Technical information

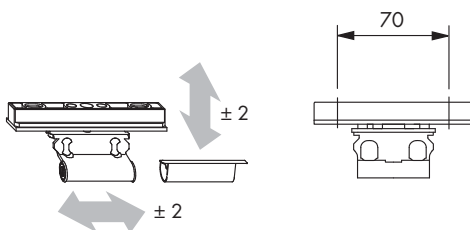
Part number	Description	Airgap	rebate width	Groove axis	sash weight	
700754	tilt sash hinge timber 12/18-9	12	18	9	50 kg	2
700761	tilt sash hinge timber 12/20-9	12	20	9	50 kg	2
722404	tilt sash hinge timber 12/18-13	12	18	13	50 kg	2
FBKF0010-...	tilt sash hinge timber 12/20-13	12	20	13	50 kg	2
FKWB0020-...	cover cap W timber	-	-	-	-	-



• **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information

Description	Part number	Surface	Colour	Box quantity
tilt sash hinge timber 12/18-9	700754	Titan Silver	without	1 pc
	276075	Titan Silver	without	50 pcs
	FBKF0020-10201_	Titan Silver	RAL9003	1 pc
	FBKF0020-10205_	Titan Silver	RAL9003	50 pcs
tilt sash hinge timber 12/20-9	700761	Titan Silver	without	1 pc
	276082	Titan Silver	without	50 pcs
	FBKF0030-10201_	Titan Silver	RAL9003	1 pc
	FBKF0030-10205_	Titan Silver	RAL9003	50 pcs
tilt sash hinge timber 12/18-13	722404	Titan Silver	without	1 pc
	316160	Titan Silver	without	50 pcs
tilt sash hinge timber 12/20-13	FBKF0010-10001_	Titan Silver	without	1 pc
	FBKF0010-10005_	Titan Silver	without	50 pcs
cover cap W timber	FKWB0020-00201_	neutral	RAL9003	1 pc
	FKWB0020-00206_	neutral	RAL9003	100 pcs
	FKWB0020-00208_	neutral	RAL9003	500 pcs
	FKWB0020-01101_	neutral	RAL8019	1 pc
	FKWB0020-01108_	neutral	RAL8019	500 pcs




tilt sash hinge RFA H-12..

Hinge side Si-line RFA

TITAN

Technical information

Part number	Description	Airgap	rebate width	Groove axis	sash weight	
717745	tilt sash hinge RFA timber 12/18-9 A0175	12	18	9	50 kg	2
717752	tilt sash hinge RFA timber 12/20-9 A0175	12	20	9	50 kg	2
FBKF0060-...	tilt sash hinge RFA timber 12/18-13 A0175	12	18	13	50 kg	2
FBKF0040-...	tilt sash hinge RFA timber 12/20-13 A0175	12	20	13	50 kg	2
FKWB0010-...	cover cap W PVC	-	-	-	-	-

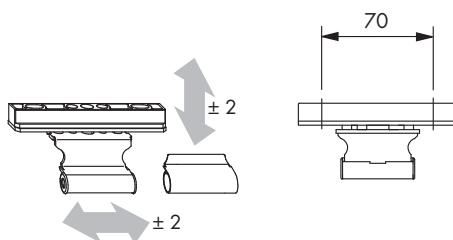


- For jigless frame installation
- Hinge clearance in the over rebate

• **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information

Description	Part number	Surface	Colour	Box quantity
tilt sash hinge RFA timber 12/18-9 A0175	717745	Titan Silver	without	1 pc
	303122	Titan Silver	without	50 pcs
tilt sash hinge RFA timber 12/20-9 A0175	717752	Titan Silver	without	1 pc
	303146	Titan Silver	without	50 pcs
tilt sash hinge RFA timber 12/18-13 A0175	FBKF0060-10001_	Titan Silver	without	1 pc
	FBKF0060-10005_	Titan Silver	without	50 pcs
tilt sash hinge RFA timber 12/20-13 A0175	FBKF0040-10001_	Titan Silver	without	1 pc
	FBKF0040-10005_	Titan Silver	without	50 pcs
cover cap W PVC	FKWB0010-00201_	neutral	RAL9003	1 pc
	FKWB0010-00206_	neutral	RAL9003	100 pcs
	FKWB0010-00208_	neutral	RAL9003	500 pcs
	FKWB0010-01101_	neutral	RAL8019	1 pc
	FKWB0010-01106_	neutral	RAL8019	100 pcs
	FKWB0010-01108_	neutral	RAL8019	500 pcs



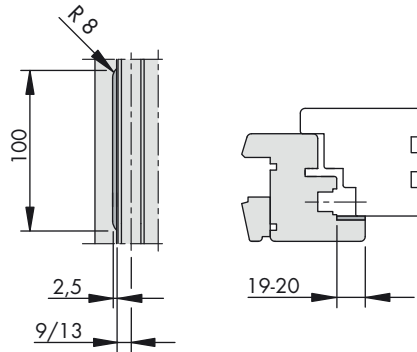
tilt sash hinge RFA H-12..

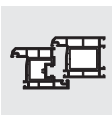
Hinge side Si-line RFA

TITAN

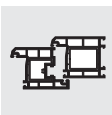
Drill holes and routings

- Sash overlap routing





Description	Part number	Page
corner drive VSO	FEUL0230	7 - 3
corner drive VSO narrow	702925	7 - 4
corner drive VS S-ES	FEUL0090, 284186, 284193	7 - 5
corner drive VS S-ES narrow	703038	7 - 6
corner drive VSU S-ES	FEUL1070, FEUL1080	7 - 7
corner drive VSO/SP-S S-ES	FEUL0030	7 - 8
corner drive ESO40	FMEU0030	7 - 9
corner drive VSO/SP-S	FEUL0020	7 - 10
corner drive VSO/MSP S-ES	FEUL0080, FMMS0020, FMMS0030, FMMS0040, FMMS0050, FMMS0060, FMMS0070, FMMS0080, FMMS0090, FMMS0100,	7 - 11
corner drive VSU/BS	FEUL2070, FEUL2080, FEUL2090	7 - 13
corner drive BS	703045	
corner drive BS	FEUL2100, FEUL2110, FEUL2120, FEUL2130, FEUL2140	7 - 15
corner drive BS	FEUL2210 - 2240	7 - 17
locking bolt VSO	279052	7 - 19
locking bolt 90°	703236	7 - 20
linkage	FZSZ0030, FZSZ0040, 713266	7 - 21
linkage	703809, 703816, 703830, 703847, 703854	7 - 22
centre lock	700969, 700976, 700983	7 - 24
Drill holes and routings for gears backset 16		7 - 25
tilt lock element	701072	7 - 26
gear 23	707050, 707067, 707074	7 - 27
gear 23 S-ES	FGKK3170, FGKK3160, 284186, 284193	7 - 28
gear 23 A0089	707159, 702314, 702345, 702376, 702406, 702413, 702437, 702444	7 - 29



Directory 7 Sash parts

FAVORIT

Description	Part number	Page
gear 3	FGMK3050, FGMK3070, FGMK3080, 702062, FGMK3090, 701805, FGMK3100	7 - 31
sec. sash gear 16 FAV. GK	FGKS1010, FGKS1020, FGKS1030, FGKS1040, FGKS1050, FGKS1060, FGKS1070, FGKS1080	7 - 33
sec. sash gear 16 FAV. GM	FGMS1010, FGMS1020, FGMS1030, FGMS1040, FGMS1050, FGMS1060	7 - 35
gear DF 23	713440, 701522, 701539, 701553, 701584, 701614, 701645, 713457, 701669, 701676, 713464	7 - 37
gear DF 3	701218, 701225, 701232, 701249, 701256, 701263, 701270, 701287, 701294, 701300, 701317	7 - 39
gear 3 PZ-25	712467, 707944, 707760	7 - 41
gear 3 PZ-30	705889, 705896	7 - 43
gear 3 PZ-35	704964, 705971	7 - 44
gear 3 PZ-40	701928, 701935	7 - 45
gear 3 PZ-45	700433, 700518	7 - 46
gear 3 PZ-50	701959	7 - 47
stay 7	707302, 707319, 707326, 707333	7 - 48
stay 7 TBT	707357, 707364, 707371, 707388	7 - 49
stay 7 DF	707340	7 - 50
crt. additional stay	275009, 275047, 280232	7 - 51
crt. additional stay TBT	275016	7 - 52
friction stay	704110, 704127, 704134	7 - 53
tilt only safety stay	ASFPO011, ASFPO012, AFSP0021, AFSP022	7 - 54
telescopic tilt only stay	TSKF0020, TFZB0050, TFZB0060	7 - 55

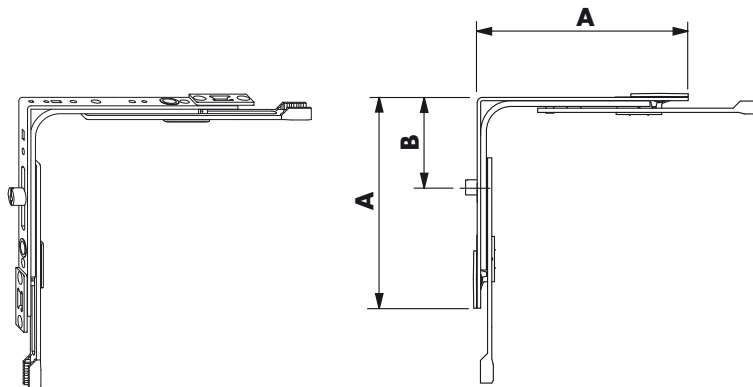


corner drive VSO

FAVORIT

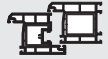
Technical information

Part number	Description	FFB	FFH	Dimensions (mm)			
				A	B		
FEUL0230-...	corn.drive VSO ..	410 - 1560	365 - 2360	140	63	1	4



Sales information



Description	Part number	Surface	Colour	Box quantity
corn.drive VSO ..	FEUL0230-10001_	Titan Silver	without	1 pc
	FEUL0230-10005_	Titan Silver	without	50 pcs

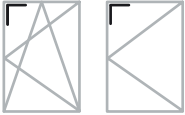


corner drive VSO narrow

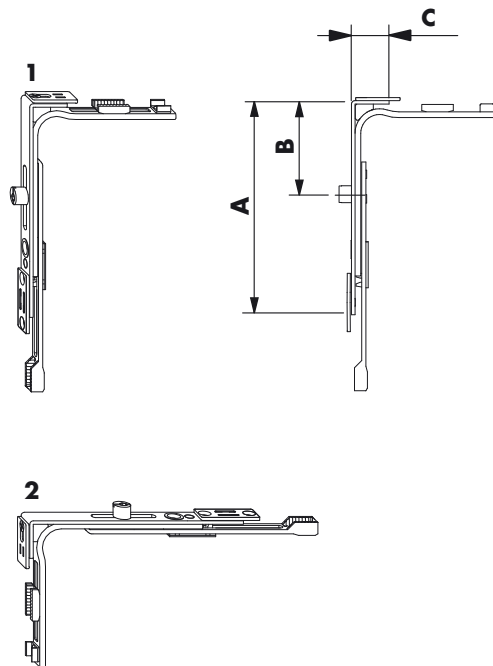
FAVORIT

Technical information

Part number	Description	Dimensions (mm)				
		A	B	C		
702925	corn.drive narrow VSO	140	63	25	1	4



- Only combinable with stay 7 size 30
- Size range if installed as in position 1:
FFB 290 - 410 mm
FFH 365 - 3000 mm
- Size range if installed as in position 2:
FFB 410 - 730 mm
FFH 290 - 480 mm



Sales information



Description	Part number	Surface	Colour	Box quantity
corn.drive narrow VSO	702925	Titan Silver	without	1 pc
	278642	Titan Silver	without	25 pcs

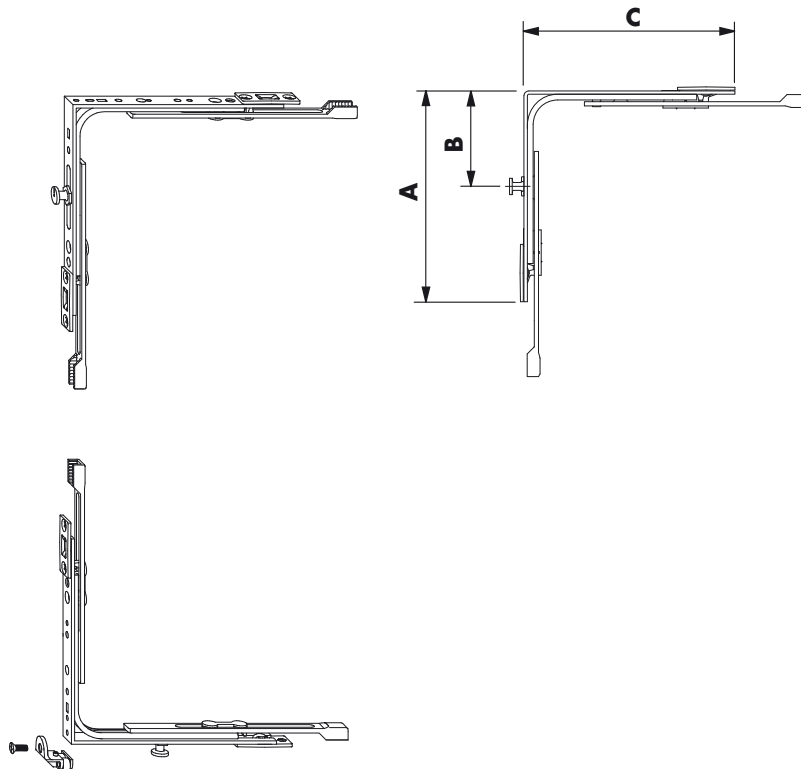
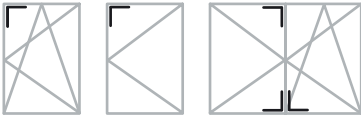


corner drive VS S-ES

FAVORIT

Technical information

Part number	Description	FFB	FFH	Dimensions (mm)			Groove axis		
				A	B	C			
FEUL0090-...	corn.drive VS S-ES	410 - 1560	365 - 2360	140	63	140	-	1	4
284186	bag sash lift S-ES 9	-	-	-	-	-	9	-	-
284193	bag sash lift S-ES 13	-	-	-	-	-	13	-	-



Sales information



Description	Part number	Surface	Colour	Box quantity
corn.drive VS S-ES	FEUL0090-10001_	Titan Silver	without	1 pc
	FEUL0090-10004_	Titan Silver	without	25 pcs
	FEUL0090-10029_	Titan Silver	without	1000 pcs
bag sash lift S-ES 9	284186	Titan Silver	without	100 pcs
bag sash lift S-ES 13	284193	Titan Silver	without	100 pcs



corner drive VS S-ES narrow

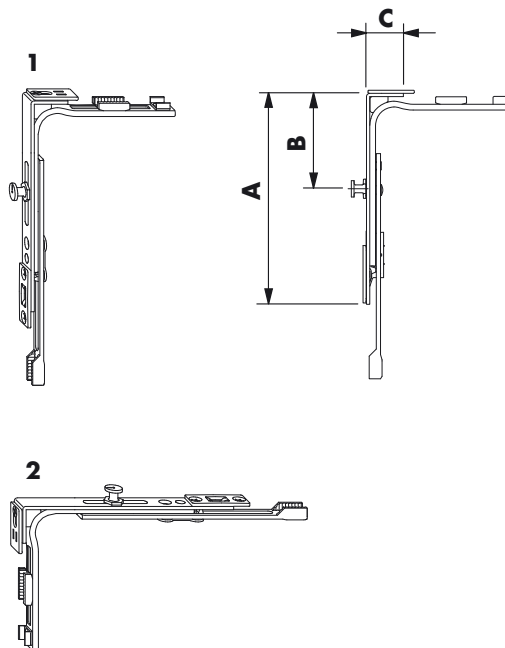
FAVORIT

Technical information

Part number	Description	Dimensions (mm)				
		A	B	C		
703038	corn.drive narrow VS S-ES	140	63	25	1	3

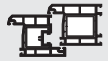


- Only combinable with stay 7 size 30
- Size range if installed as in position 1:
FFB 290 - 410 mm
FFH 365 - 3000 mm
- Size range if installed as in position 2:
FFB 410 - 730 mm
FFH 290 - 480 mm





Sales information

Description	Part number	Surface	Colour	Box quantity
corn.drive narrow VS S-ES	703038	Titan Silver	without	1 pc
	278772	Titan Silver	without	25 pcs

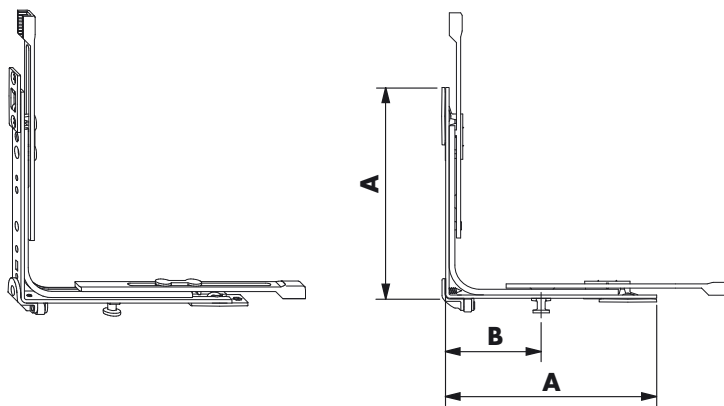


Technical information

Part number	Description	FFB	FFH	Dimensions (mm)		Groove axis		
				A	B			
FEUL1070-...	corn.drive VSU S-ES FH 9	290 - 1560	365 - 2360	140	63	9	1	4
FEUL1080-...	corn.drive VSU S-ES FH 13	290 - 1560	365 - 2360	140	63	13	1	4



- With preassembled sash lift
- Tilt lock bearing S-ES (SL-S) FH profile-related, refer to PDB line item FRKA (FRKJ)



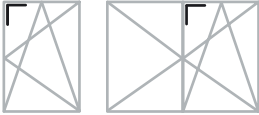
Sales information

Description	Part number	Surface	Colour	Box quantity
corn.drive VSU S-ES FH 9	FEUL1070-10001_	Titan Silver	without	1 pc
	FEUL1070-10004_	Titan Silver	without	25 pcs
corn.drive VSU S-ES FH 13	FEUL1080-10001_	Titan Silver	without	1 pc
	FEUL1080-10004_	Titan Silver	without	25 pcs

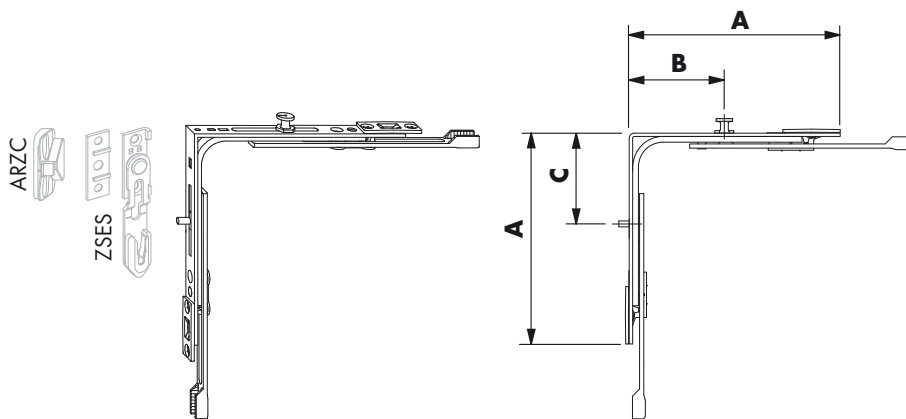


Technical information

Part number	Description	FFB	FFH	Dimensions (mm)				
				A	B	C		
FEUL0030-...	corn.drive VSO S-ES SP-S ..	410 - 1560	365 - 2360	140	63	60	1	4

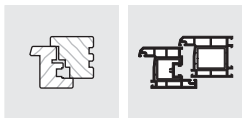


- Integrated anti-slam device in the tilt position
- Required part on master sash for the use of energy saving stay ZSES
- Suitable for night vent striker plate DT, refer to PDB line item ARZC



Sales information

Description	Part number	Surface	Colour	Box quantity
corn.drive VSO S-ES SP-S ..	FEUL0030-10001_	Titan Silver	without	1 pc
	FEUL0030-10005_	Titan Silver	without	50 pcs



corner drive ES040

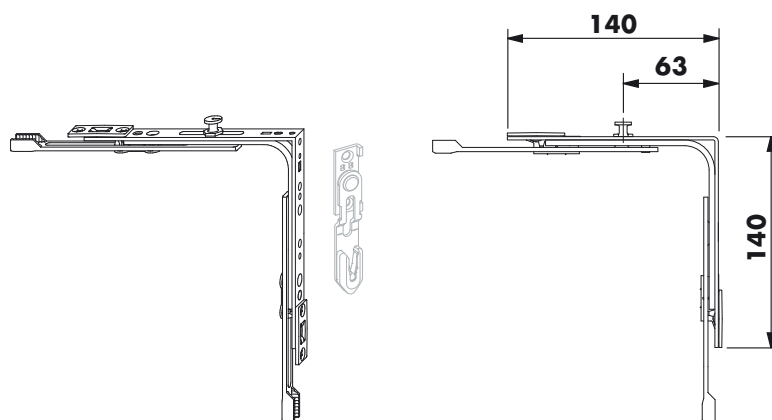
FAVORIT

Technical information

Part number	Description	FFB	FFH
FMEU0030...	corn.drive ES040 sec.sash	410 - 1560	365 - 2360



- Required part on slave sash for the use of energy saving stay ZSES





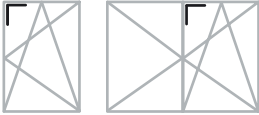
Sales information

Description	Part number	Surface	Colour	Box quantity
corn.drive ES040 sec.sash	FMEU0030-10004_	Titan Silver	without	25 pcs

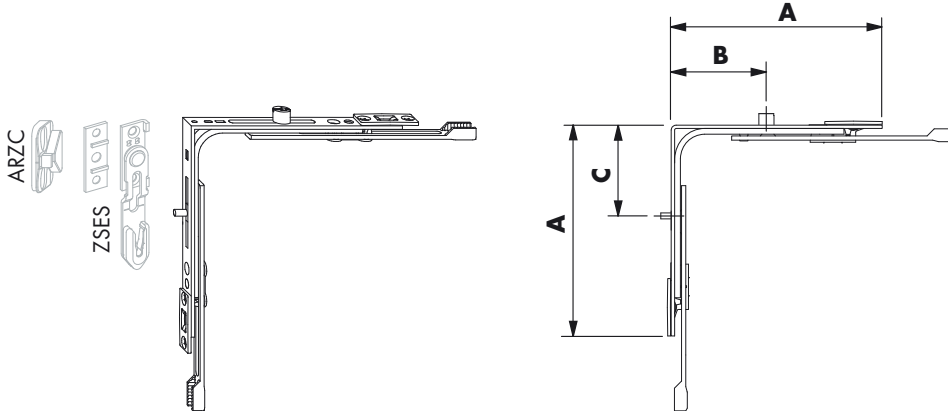


Technical information

Part number	Description	FFB	FFH	Dimensions (mm)				
				A	B	C		
FEUL0020-...	corn.drive VSO SP-S	410 - 1560	365 - 2360	140	63	60	2	4



- Integrated anti-slam device in the tilt position
- Required part on master sash for the use of energy saving stay ZSES
- Suitable for night vent striker plate DT, refer to PDB line item ARZC





Sales information

Description	Part number	Surface	Colour	Box quantity
corn.drive VSO SP-S	FEUL0020-10001_	Titan Silver	without	1 pc
	FEUL0020-10004_	Titan Silver	without	25 pcs

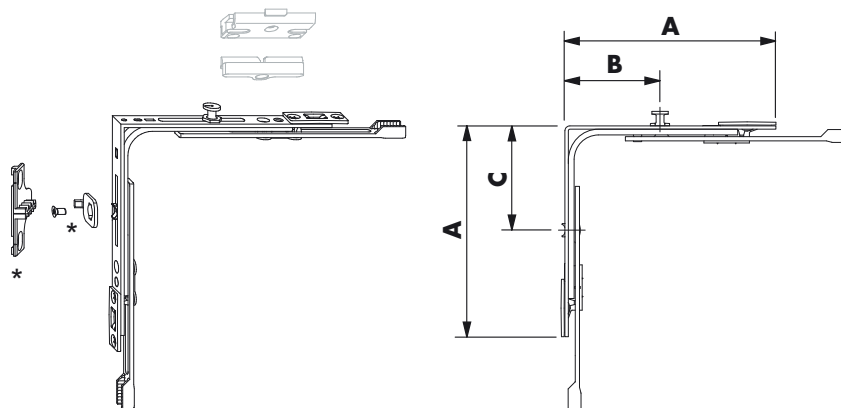


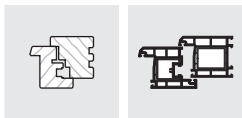
Technical information

Part number	Description	FFB	FFH	Dimensions (mm)				
				A	B	C		
FEUL0080...	corn.drive VS S-ES MSP ..	410 - 1560	365 - 2360	140	63	64	1	4
FMMS0010...	accessories MSP A0608	-	-	-	-	-	-	-
FMMS0030...	accessories MSP A1220	-	-	-	-	-	-	-
FMMS0040...	accessories MSP A1660	-	-	-	-	-	-	-
FMMS0050...	accessories MSP A1661	-	-	-	-	-	-	-
FMMS0060...	accessories MSP A1860	-	-	-	-	-	-	-
FMMS0070...	accessories MSP A1865	-	-	-	-	-	-	-
FMMS0080...	accessories MSP A2040	-	-	-	-	-	-	-
FMMS0090...	accessories MSP A2260	-	-	-	-	-	-	-
FMMS0100...	accessories MSP A2860	-	-	-	-	-	-	-
FMMS0020...	accessories MSP A1220/1	-	-	-	-	-	-	-



- * Acc. bag MSP A...
 - A0608 for Kömmerling Eurodur 3S - opening width 7-24 - number of vent positions 4
 - A1220 for Trocal Serie 900 - opening width 5-16 - number of vent positions 3
 - A1660 for Veka Softline AD - opening width 5-33 - number of vent positions 6
 - A1661 for KBE AD - opening width 5-33 - number of vent positions 6
 - A1860 for Inoutic AD - opening width 7-24 - number of vent positions 4
 - A1865 for Inoutic AD MB - opening width 5-33 - number of vent positions 4
 - A2040 for Veka Topline und Aluplast - opening width 7-24 - number of vent positions 4
 - A2260 for Trocal Confort - opening width 7-24 - number of vent positions 4
 - A2860 for Salamander und Rehau S730/735 - opening width 7-24 - number of vent positions 4
 - A1220/1 for timber 12 mm eurofold 18/8





corner drive VS/MSP S-ES

FAVORIT

Sales information

Description	Part number	Surface	Colour	Box quantity
corn.drive VS S-ES MSP ..	FEUL0080-10001_	Titan Silver	without	1 pc
	FEUL0080-10005_	Titan Silver	without	50 pcs
accessories MSP A0608	FMMS0010-10005_	Titan Silver	without	50 pcs
accessories MSP A1220	FMMS0030-10005_	Titan Silver	without	50 pcs
accessories MSP A1660	FMMS0040-10005_	Titan Silver	without	50 pcs
accessories MSP A1661	FMMS0050-10005_	Titan Silver	without	50 pcs
accessories MSP A1860	FMMS0060-10005_	Titan Silver	without	50 pcs
accessories MSP A1865	FMMS0070-10005_	Titan Silver	without	50 pcs
accessories MSP A2040	FMMS0080-10005_	Titan Silver	without	50 pcs
accessories MSP A2260	FMMS0090-10005_	Titan Silver	without	50 pcs
accessories MSP A2860	FMMS0100-10005_	Titan Silver	without	50 pcs
accessories MSP A1220/1	FMMS0020-10005_	Titan Silver	without	50 pcs

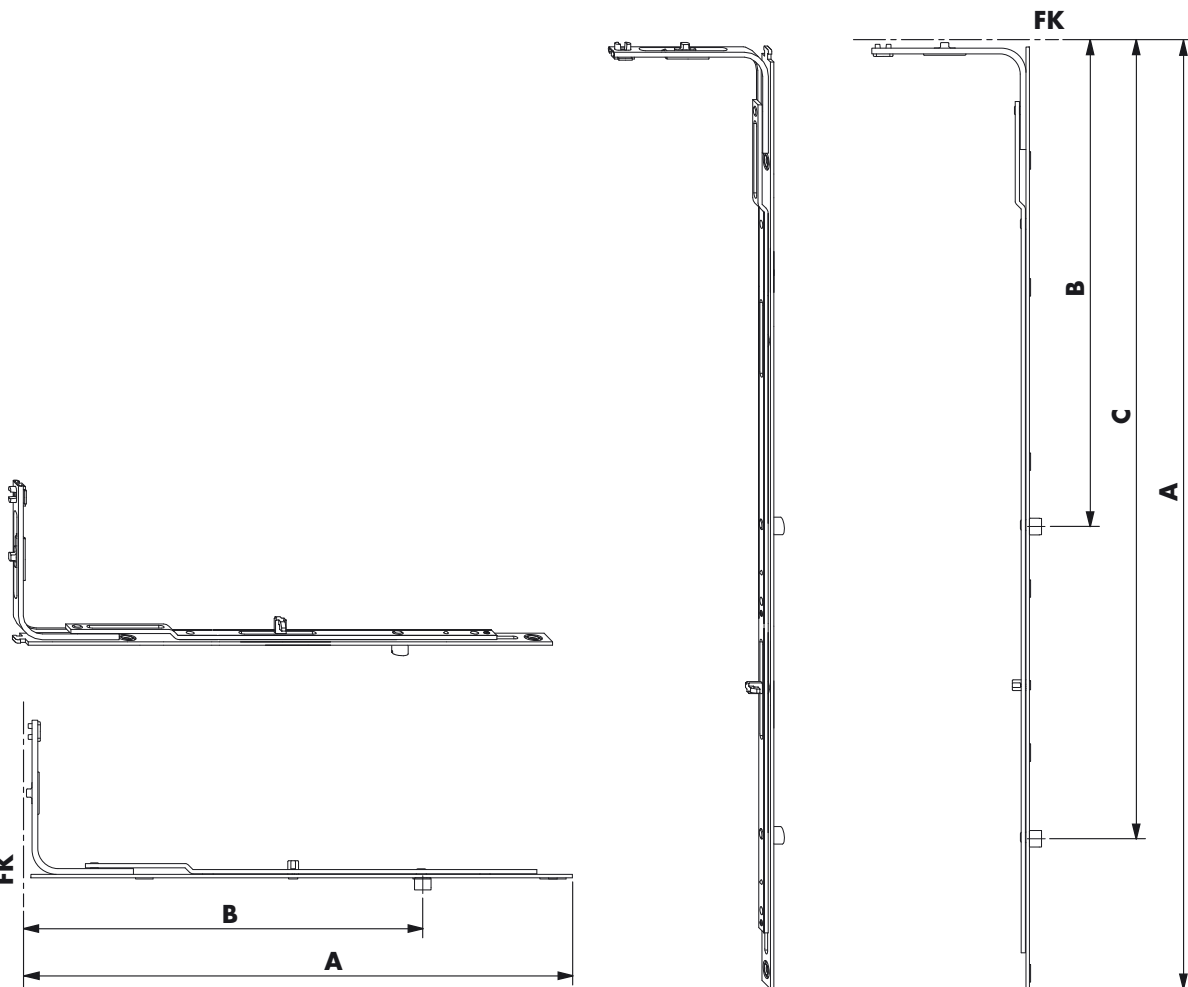


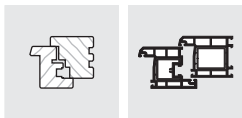
Technical information

Part number	Description	FFB	FFH	Dimensions (mm)				
				A	B	C		
FEUL2070-...	corn.drive VSU BS sz 50 1V	800 - 1200	800 - 1200	500	401	-	1	3
FEUL2080-...	corn.drive VSU BS sz 70 1V	1000 - 1400	1000 - 1400	700	601	-	1	4
FEUL2090-...	corn.drive VSU BS sz 90 1V	1400 - 1560	1400 - 1920	900	801	-	1	5
703045	corn.drive BS sz 130	-	1800 - 2360	1300	601	1201	2	7



- Click-on coupling feature for additional sash hardware parts





corner drive VSU/BS

FAVORIT

Sales information



Description	Part number	Surface	Colour	Box quantity
corn.drive VSU BS sz 50 1V	FEUL2070-10001_	Titan Silver	without	1 pc
	FEUL2070-10004_	Titan Silver	without	25 pcs
	FEUL2070-10029_	Titan Silver	without	1000 pcs
corn.drive VSU BS sz 70 1V	FEUL2080-10001_	Titan Silver	without	1 pc
	FEUL2080-10004_	Titan Silver	without	25 pcs
corn.drive VSU BS sz 90 1V	FEUL2090-10001_	Titan Silver	without	1 pc
	FEUL2090-10004_	Titan Silver	without	25 pcs
	FEUL2090-10007_	Titan Silver	without	250 pcs
corn.drive BS sz 130	703045	Titan Silver	without	1 pc
	278789	Titan Silver	without	25 pcs

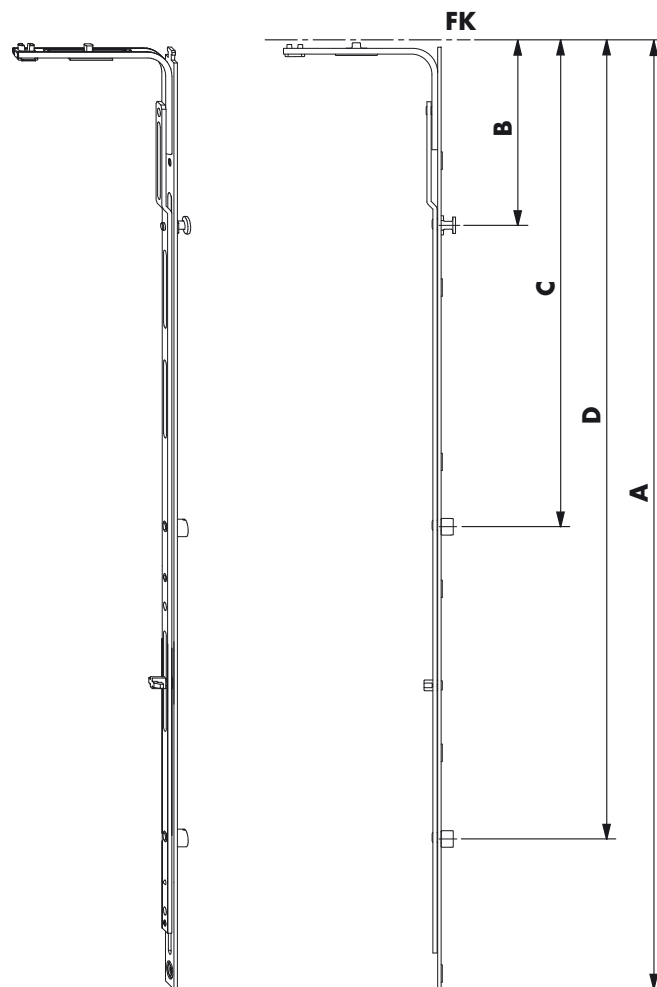
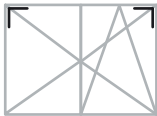


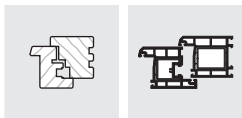
corner drive BS

FAVORIT

Technical information

Part number	Description	FFH	Dimensions (mm)				Groove axis		
			A	B	C	D			
FEUL2100-...	corn.drive BS sz 20 1S	365 - 800	200	123	-	-	13/9	1	2
FEUL2110-...	corn.drive BS sz 50 1S 1V	800 - 1200	500	123	401	-	13/9	2	4
FEUL2120-...	corn.drive BS sz 70 1S 1V	1000 - 1400	700	123	601	-	13/9	2	5
FEUL2130-...	corn.drive BS sz 90 1S 1V	1400 - 1920	900	123	801	-	13/9	2	6
FEUL2140-...	corn.drive BS sz 130 1S 2V	1800 - 2360	1300	123	601	1201	13/9	3	8



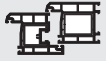


corner drive BS

FAVORIT

Sales information

Description	Part number	Surface	Colour	Box quantity
corn.drive BS sz 20 1S	FEUL2100-10001_	Titan Silver	without	1 pc
	FEUL2100-10004_	Titan Silver	without	25 pcs
corn.drive BS sz 50 1S 1V	FEUL2110-10001_	Titan Silver	without	1 pc
	FEUL2110-10004_	Titan Silver	without	25 pcs
	FEUL2110-10029_	Titan Silver	without	1000 pcs
corn.drive BS sz 70 1S 1V	FEUL2120-10001_	Titan Silver	without	1 pc
	FEUL2120-10004_	Titan Silver	without	25 pcs
	FEUL2120-10029_	Titan Silver	without	1000 pcs
corn.drive BS sz 90 1S 1V	FEUL2130-10001_	Titan Silver	without	1 pc
	FEUL2130-10004_	Titan Silver	without	25 pcs
	FEUL2130-10007_	Titan Silver	without	250 pcs
corn.drive BS sz 130 1S 2V	FEUL2140-10001_	Titan Silver	without	1 pc
	FEUL2140-10004_	Titan Silver	without	25 pcs



corner drive BS

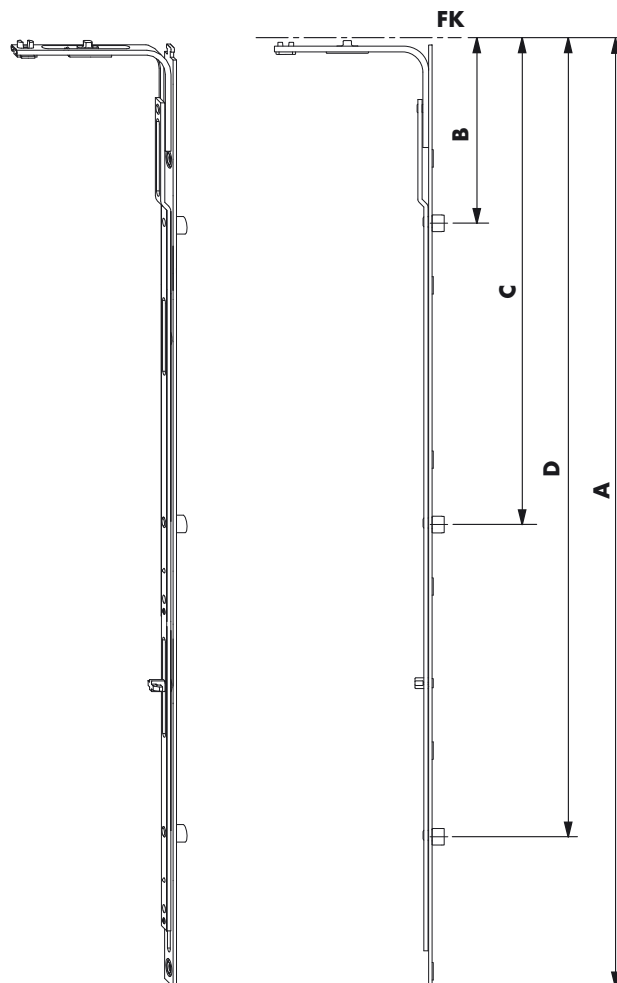
FAVORIT

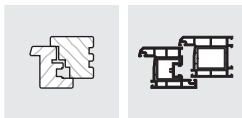
Technical information

Part number	Description	FFH	Dimensions (mm)					
			A	B	C	D		
FEUL2210-...	corn.drive BS sz 50 2V	800 - 1200	500	123	401	-	2	3
FEUL2220-...	corn.drive BS sz 70 2V	1000 - 1400	700	123	601	-	2	4
FEUL2230-...	corn.drive BS sz 90 2V	1400 - 1920	900	123	801	-	2	5
FEUL2240-...	corn.drive BS sz 130 3V	1800 - 2360	1300	123	601	1201	3	7



- Click-on coupling feature for additional sash hardware parts





corner drive BS

FAVORIT

Sales information

Description	Part number	Surface	Colour	Box quantity
corn.drive BS sz 50 2V	FEUL2210-10001_	Titan Silver	without	1 pc
	FEUL2210-10004_	Titan Silver	without	25 pcs
corn.drive BS sz 70 2V	FEUL2220-10001_	Titan Silver	without	1 pc
	FEUL2220-10004_	Titan Silver	without	25 pcs
corn.drive BS sz 90 2V	FEUL2230-10001_	Titan Silver	without	1 pc
	FEUL2230-10004_	Titan Silver	without	25 pcs
corn.drive BS sz 130 3V	FEUL2240-10001_	Titan Silver	without	1 pc
	FEUL2240-10004_	Titan Silver	without	25 pcs



locking bolt VSO

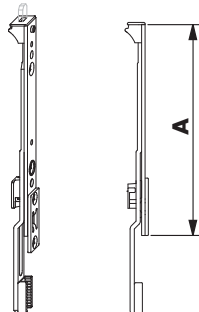
FAVORIT

Technical information

Part number	Description	FFB	FFH	Dimensions (mm) A
279052	locking bolt VSO	290 - 410	365 - 2360	140

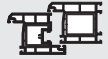


- 11 mm deadbolt throw



Sales information



Description	Part number	Surface	Colour	Box quantity
locking bolt VSO	279052	Titan Silver	without	50 pcs

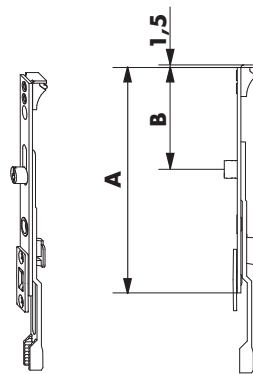
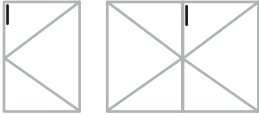


locking bolt 90°

FAVORIT

Technical information

Part number	Description	FFH	Dimensions (mm)			
			A	B		
703236	locking bolt 90 degr.	365 - 2360	140	63	1	2



Sales information



Description	Part number	Surface	Colour	Box quantity
locking bolt 90 degr.	703236	Titan Silver	without	1 pc
	278994	Titan Silver	without	50 pcs

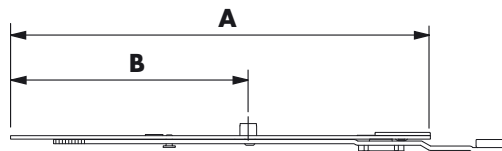


linkage

FAVORIT

Technical information

Part number	Description	Dimensions (mm)			
		A	B		
FZSZ0030-...	linkage sz 230	230	-	-	2
FZSZ0040-...	linkage sz 230 MV	230	109	1	2
713266	linkage sz 460 MV	460	339	1	4



Sales information

Description	Part number	Surface	Colour	Box quantity
linkage sz 230	FZSZ0030-10001_	Titan Silver	without	1 pc
	FZSZ0030-10004_	Titan Silver	without	25 pcs
linkage sz 230 MV	FZSZ0040-10001_	Titan Silver	without	1 pc
	FZSZ0040-10005_	Titan Silver	without	50 pcs
linkage sz 460 MV	713266	Titan Silver	without	1 pc
	FZSZ0050-10004_	Titan Silver	without	25 pcs

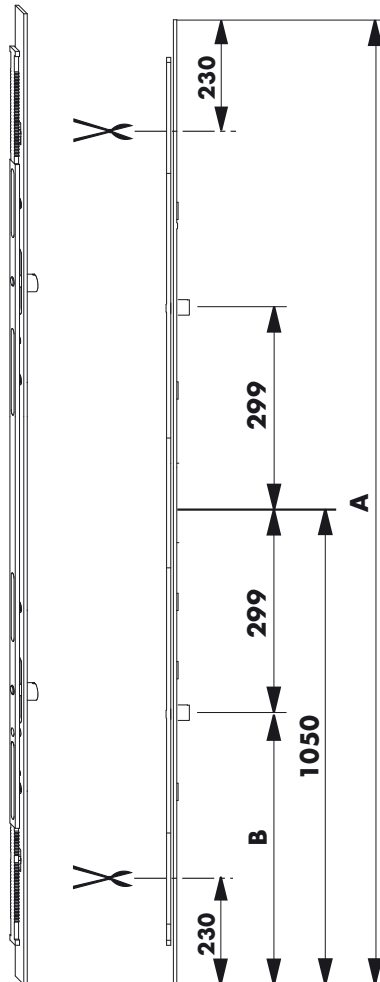


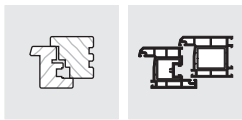
linkage

FAVORIT

Technical information

Part number	Description	FFB	FFH	Dimensions (mm)			
				A	B		
703809	linkage sz 0	400 - 600	400 - 600	620	-	0	0
703816	linkage sz 1	600 - 1100	600 - 1100	820	-	0	2
703830	linkage sz 2 MV	1000 - 1460	1000 - 1460	1180	591	1	4
703847	linkage sz 3 MV	1460 - 1560	1460 - 1920	1640	821	1	6
703854	linkage sz 4 TL	-	1880 - 2360	2100	-	2	10





linkage

FAVORIT

Sales information



Description	Part number	Surface	Colour	Box quantity
linkage sz 0	703809	Titan Silver	without	1 pc
	279618	Titan Silver	without	25 pcs
linkage sz 1	703816	Titan Silver	without	1 pc
	279625	Titan Silver	without	25 pcs
linkage sz 2 MV	703830	Titan Silver	without	1 pc
	279649	Titan Silver	without	25 pcs
linkage sz 3 MV	703847	Titan Silver	without	1 pc
	279656	Titan Silver	without	10 pcs
linkage sz 4 TL	703854	Titan Silver	without	1 pc
	279663	Titan Silver	without	10 pcs

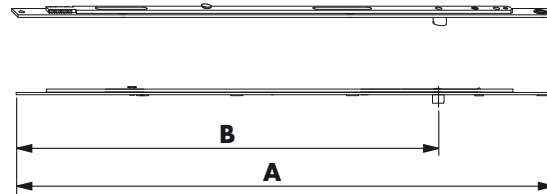
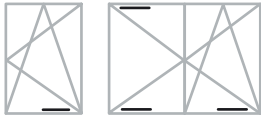


centre Lock

FAVORIT

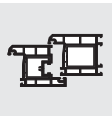
Technical information

Part number	Description	FFB	Dimensions (mm)			
			A	B		
700969	centre lock sz 50	801 - 1260	360	261	1	2
700976	centre lock sz 70	1261 - 1560	560	461	1	3
700983	centre lock sz 90	1401 - 1560	760	661	1	4



Sales information

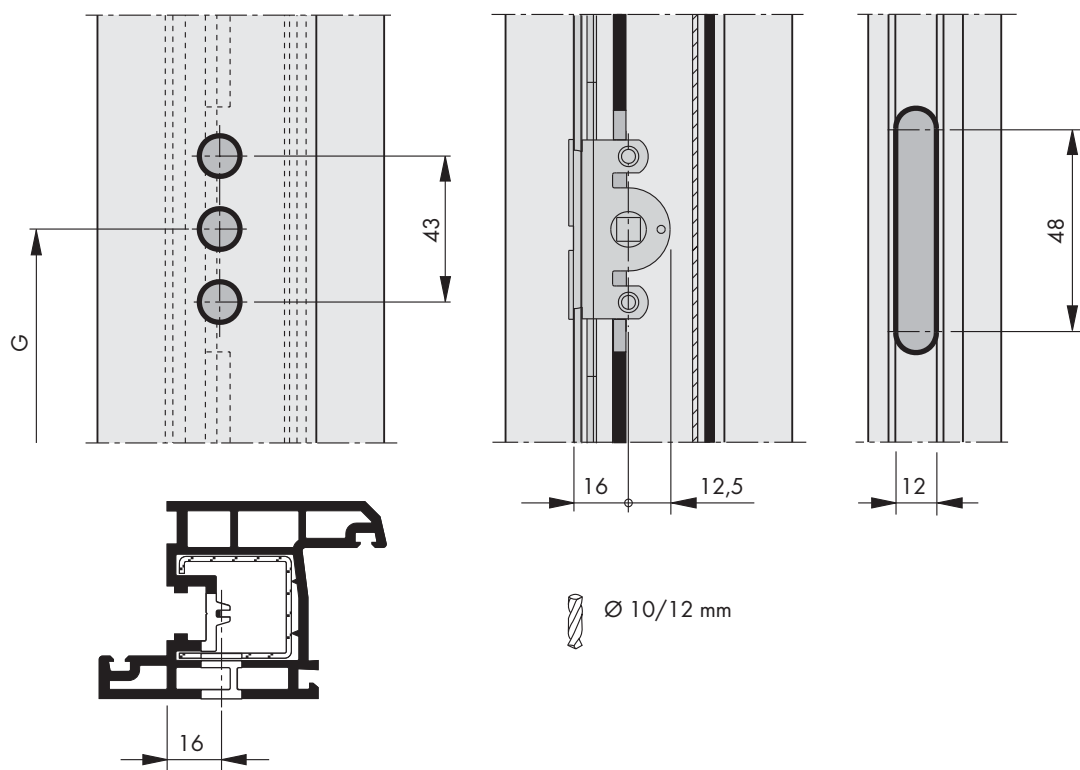
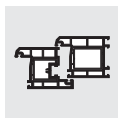
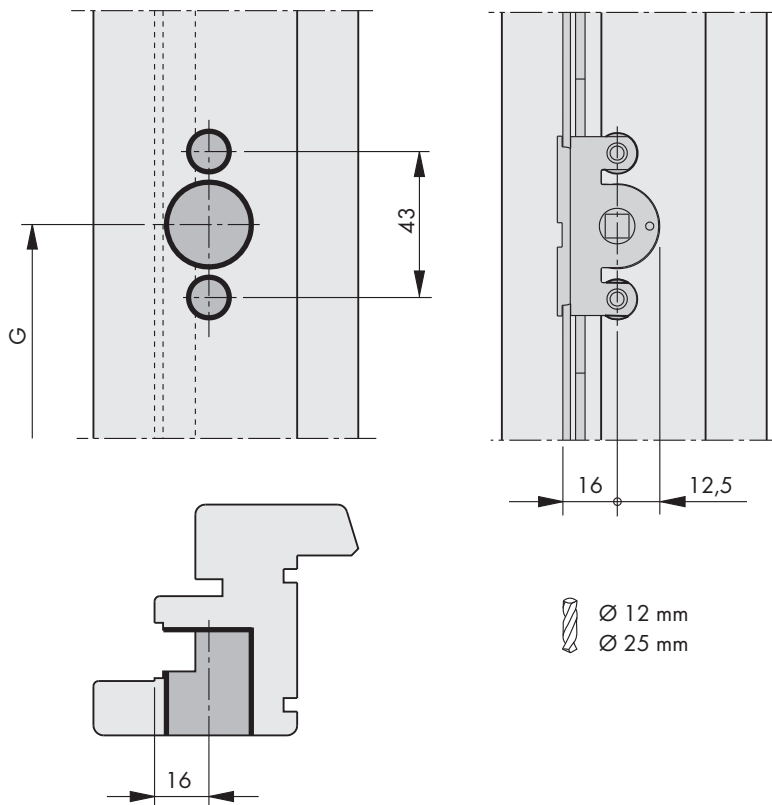
Description	Part number	Surface	Colour	Box quantity
centre lock sz 50	700969	Titan Silver	without	1 pc
	276266	Titan Silver	without	25 pcs
centre lock sz 70	700976	Titan Silver	without	1 pc
	276273	Titan Silver	without	25 pcs
centre lock sz 90	700983	Titan Silver	without	1 pc
	276280	Titan Silver	without	25 pcs



Gear with backset 16 mm

Drill holes and routings

FAVORIT





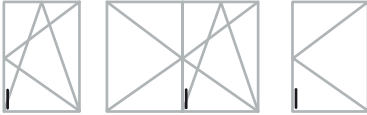


tilt lock element

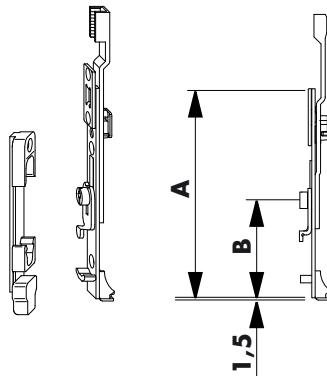
FAVORIT

Technical information

Part number	Description	FFH	Dimensions (mm)			
			A	B		
701072	tilt lock element	480 - 2360	140	65	1	3



- To be used with tilt strike (vertical tilt point)
- One part suits all sash rebate heights
- With built in mishandling device in tilt position



Sales information



Description	Part number	Surface	Colour	Box quantity
tilt lock element	701072	Titan Silver	without	1 pc
	276372	Titan Silver	without	25 pcs
	276389	Titan Silver	without	1000 pcs



gear 23

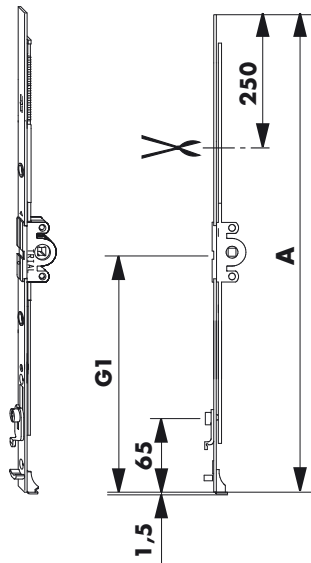
FAVORIT

Technical information

Part number	Description	FFH	Dimensions (mm)			
			G1	A		
707050	gear 23 sz 40/G125	365 - 430	125	476	0	1
707067	gear 23 sz 50/G190	431 - 600	190	541	0	2
707074	gear 23 sz 60/G290	601 - 800	290	660	0	3



- Handle height constant
- Backset 16 mm
- With built in tilt lock element



Sales information

Description	Part number	Surface	Colour	Box quantity
gear 23 sz 40/G125	707050	Titan Silver	without	1 pc
	301555	Titan Silver	without	25 pcs
gear 23 sz 50/G190	707067	Titan Silver	without	1 pc
	301562	Titan Silver	without	25 pcs
gear 23 sz 60/G290	707074	Titan Silver	without	1 pc
	313244	Titan Silver	without	25 pcs



gear 23 S-ES

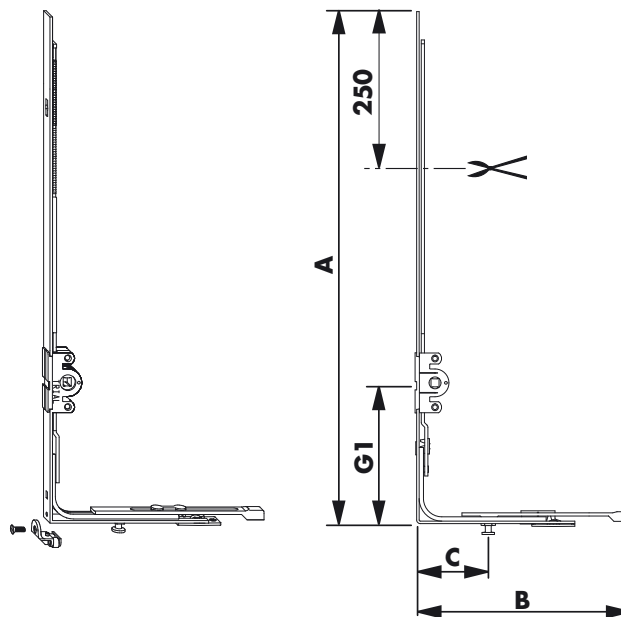
FAVORIT

Technical information

Part number	Description	FFH	Dimensions (mm)					
			G1	A	B	C		
FGKK3170...	gear 23 S-ES sz 40/G125	365 - 430	125	476	140	64	1	2
FGKK3160...	gear 23 S-ES sz 50/G190	431 - 600	190	541	140	64	1	3
284186	bag sash lift S-ES 9	-	-	-	-	-	-	-
284193	bag sash lift S-ES 13	-	-	-	-	-	-	-



- Handle height constant
- Backset 16 mm



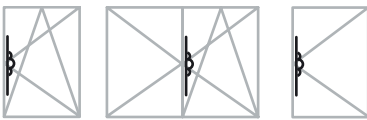
Sales information

Description	Part number	Surface	Colour	Box quantity
gear 23 S-ES sz 40/G125	FGKK3170-10001_	Titan Silver	without	1 pc
	FGKK3170-10004_	Titan Silver	without	25 pcs
gear 23 S-ES sz 50/G190	FGKK3160-10001_	Titan Silver	without	1 pc
	FGKK3160-10004_	Titan Silver	without	25 pcs
bag sash lift S-ES 9	284186	Titan Silver	without	100 pcs
bag sash lift S-ES 13	284193	Titan Silver	without	100 pcs

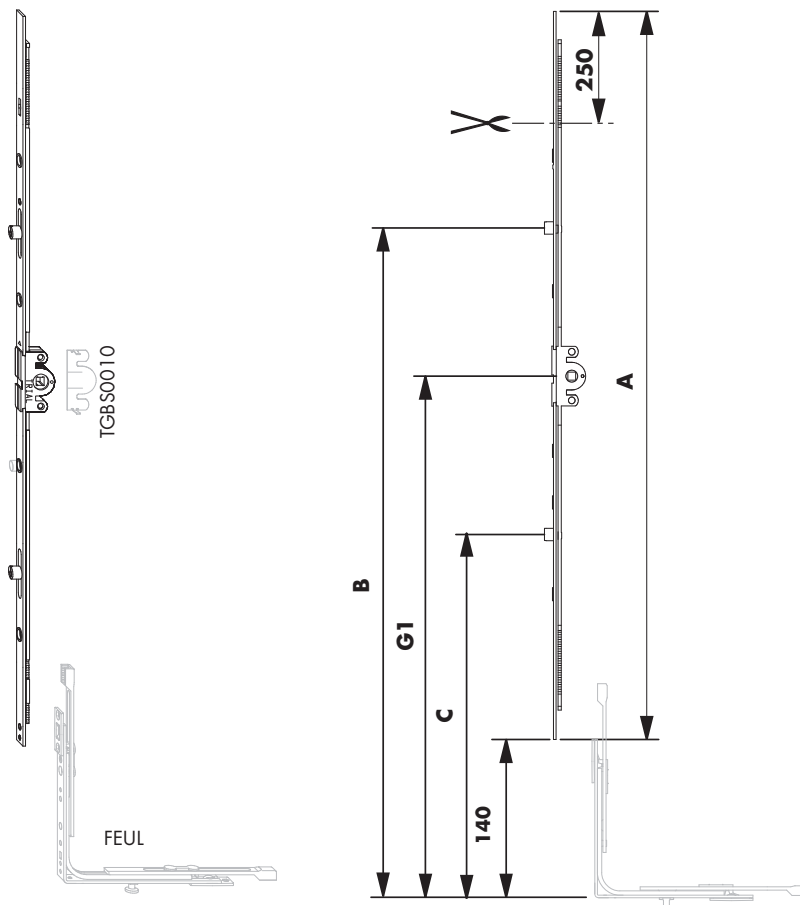


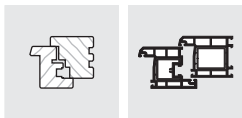
Technical information

Part number	Description	FFH	Dimensions (mm)					
			G1	A	B	C		
707159	gear 23 sz 60/G290 A0089	601 - 800	290	520	-	-	0	1
702314	gear 23 sz 80/G390 MV A0089	801 - 1000	390	720	466	-	1	2
702345	gear 23 sz 100/G490 MV A0089	1001 - 1200	490	920	566	-	1	3
702376	gear 23 sz 120/G590 MV A0089	1201 - 1400	590	1120	666	-	1	4
702406	gear 23 sz 140/G690 MV A0089	1401 - 1600	690	1320	766	-	1	5
702413	gear 23 sz 160/G690 MV A0089	1601 - 1800	690	1520	766	-	1	6
702437	gear 23 sz 180/G1090 TL A0089	1801 - 2000	1090	1720	1266	666	2	8
702444	gear 23 sz 200/G1090 TL A0089	2001 - 2200	1090	1920	1266	666	2	9



- Handle height constant
- Backset 16 mm





gear 23 A0089

FAVORIT

Sales information

Description	Part number	Surface	Colour	Box quantity
gear 23 sz 60/G290 A0089	707159	Titan Silver	without	1 pc
	284469	Titan Silver	without	25 pcs
gear 23 sz 80/G390 MV A0089	702314	Titan Silver	without	1 pc
	277782	Titan Silver	without	25 pcs
	287781	Titan Silver	without	250 pcs
gear 23 sz 100/G490 MV A0089	702345	Titan Silver	without	1 pc
	277829	Titan Silver	without	25 pcs
gear 23 sz 120/G590 MV A0089	702376	Titan Silver	without	1 pc
	277881	Titan Silver	without	25 pcs
gear 23 sz 140/G690 MV A0089	702406	Titan Silver	without	1 pc
	277942	Titan Silver	without	25 pcs
	287842	Titan Silver	without	250 pcs
gear 23 sz 160/G690 MV A0089	702413	Titan Silver	without	1 pc
	277959	Titan Silver	without	25 pcs
gear 23 sz 180/G1090 TL A0089	702437	Titan Silver	without	1 pc
	277973	Titan Silver	without	10 pcs
gear 23 sz 200/G1090 TL A0089	702444	Titan Silver	without	1 pc
	277997	Titan Silver	without	10 pcs
	278000	Titan Silver	without	250 pcs

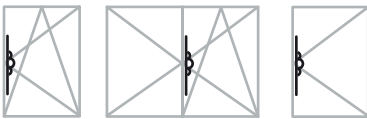


gear 3

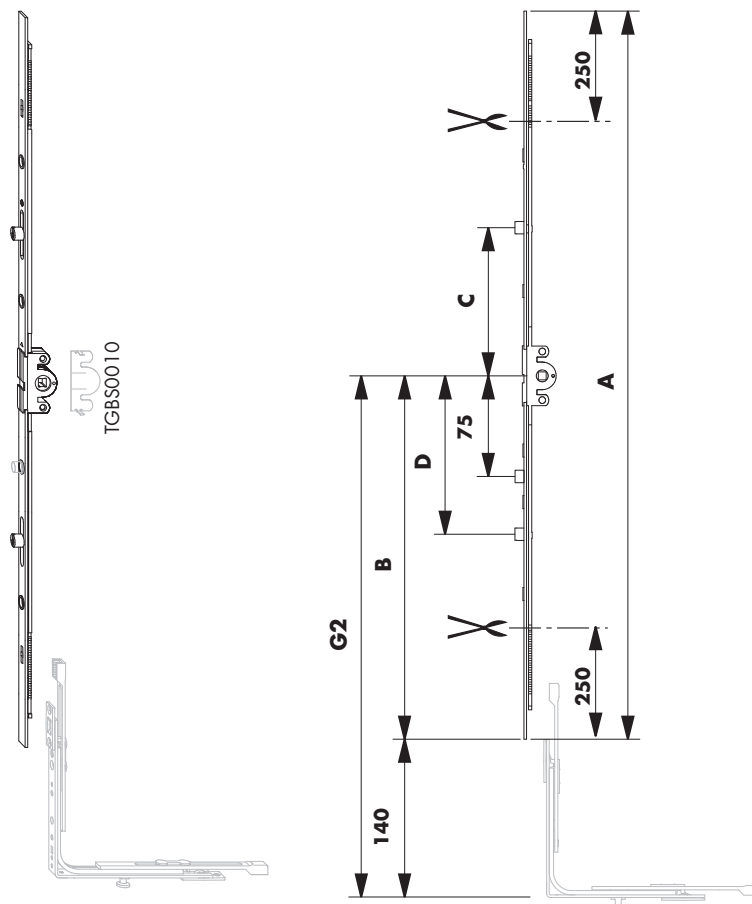
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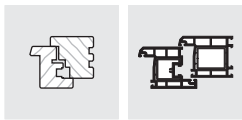
Technical information

Part number	Description	FFH	Dimensions (mm)						
			G2	A	B	C			D
FGMK3050...	gear 3 sz 0	480 - 680	240 - 340	700	350	-	-	0	0
FGMK3070...	gear 3 sz 1a MV	681 - 1180	340 - 590	900	450	76	-	1	2
FGMK3080...	gear 3 sz 2 MV	1000 - 1460	500 - 730	1180	590	150	-	1	4
702062	gear 3 sz 2/2 MV	1180 - 1680	580 - 840	1400	700	220	218	2	4
FGMK3090...	gear 3 sz 3 MV	1461 - 1920	730 - 960	1640	820	150	-	1	6
701805	gear 3 sz 3/2 MV	1461 - 1920	730 - 960	1640	820	300	298	2	8
FGMK3100...	gear 3 sz 4 TL	1880 - 2360	940 - 1180	2100	1050	300	298	2	10



- Handle height centre/variable
- Backset 16 mm
- Size range gear 3 size 0:
FFH min. 365 mm - max. 480 mm when coupled to corner drive narrow VSO





gear 3

FAVORIT

Sales information


Description	Part number	Surface	Colour	Box quantity
gear 3 sz 0	FGMK3050-10001_	Titan Silver	without	1 pc
	FGMK3050-10004_	Titan Silver	without	25 pcs
gear 3 sz 1a MV	FGMK3070-10001_	Titan Silver	without	1 pc
	FGMK3070-10004_	Titan Silver	without	25 pcs
gear 3 sz 2 MV	FGMK3080-10001_	Titan Silver	without	1 pc
	FGMK3080-10004_	Titan Silver	without	25 pcs
gear 3 sz 2/2 MV	702062	Titan Silver	without	1 pc
	277430	Titan Silver	without	25 pcs
gear 3 sz 3 MV	FGMK3090-10001_	Titan Silver	without	1 pc
	FGMK3090-10004_	Titan Silver	without	25 pcs
gear 3 sz 3/2 MV	701805	Titan Silver	without	1 pc
	277164	Titan Silver	without	10 pcs
gear 3 sz 4 TL	FGMK3100-10001_	Titan Silver	without	1 pc
	FGMK3100-10002_	Titan Silver	without	10 pcs

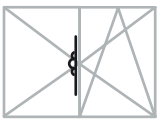


sec. sash gear 16 FAV. GK

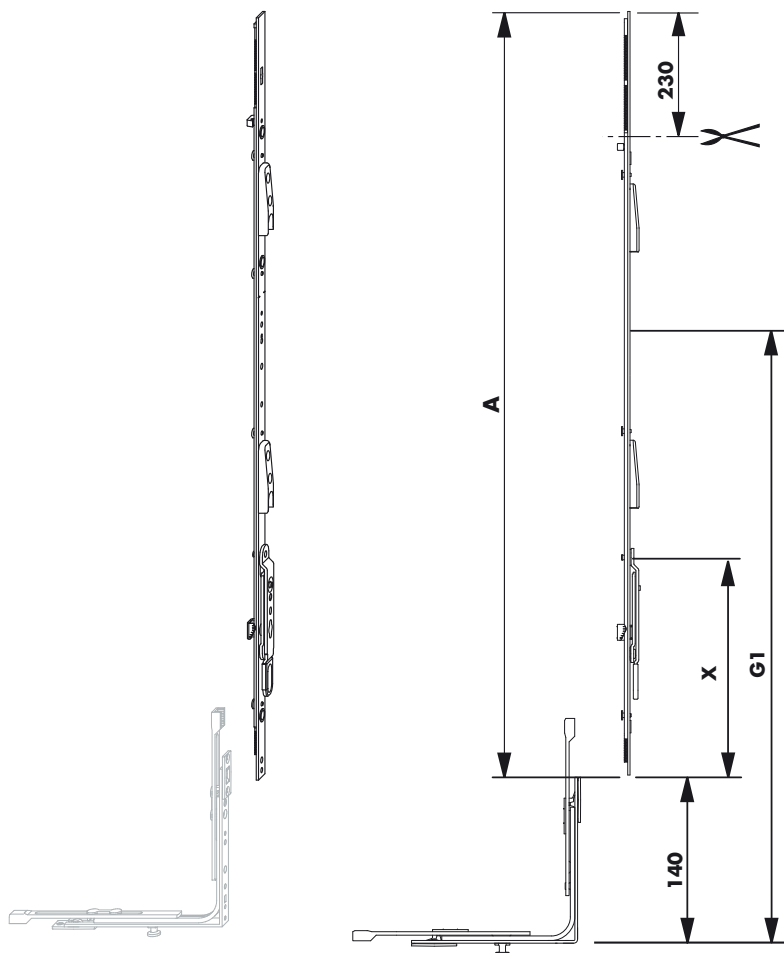
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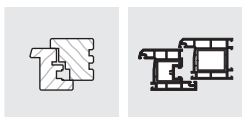
Technical information

Part number	Description	FFH	Dimensions (mm)			
			G1	A	X	
FGKS1010-...	sec.sash gear 16 FAV sz 60	570 - 800	290	520	153	2
FGKS1020-...	sec.sash gear 16 FAV sz .80 1SB	801 - 1000	390	720	153	4
FGKS1030-...	sec.sash gear 16 FAV sz 100 1SB	1001 - 1200	490	920	290	5
FGKS1040-...	sec.sash gear 16 FAV sz 120 1SB	1201 - 1400	590	1120	290	6
FGKS1050-...	sec.sash gear 16 FAV sz 140 1SB	1401 - 1600	690	1320	460	7
FGKS1060-...	sec.sash gear 16 FAV sz 160 1SB	1601 - 1800	690	1520	460	7
FGKS1070-...	sec.sash gear 16 FAV sz 180 2SB	1801 - 2000	1090	1720	460	10
FGKS1080-...	sec.sash gear 16 FAV sz 200 2SB	2001 - 2200	1090	1920	460	11



- Handle height constant
- G1 in the main sash
- Use in slave sashes with opposing fitting groove
- Pre-prepped to receive snapper A1360





sec. sash gear 16 FAV. GK

FAVORIT

Sales information


Description	Part number	Surface	Colour	Box quantity
sec.sash gear 16 FAV sz 60	FGKS1010-10001_	Titan Silver	without	1 pc
	FGKS1010-10004_	Titan Silver	without	25 pcs
sec.sash gear 16 FAV sz .80 1SB	FGKS1020-10001_	Titan Silver	without	1 pc
	FGKS1020-10004_	Titan Silver	without	25 pcs
sec.sash gear 16 FAV sz 100 1SB	FGKS1030-10001_	Titan Silver	without	1 pc
	FGKS1030-10004_	Titan Silver	without	25 pcs
sec.sash gear 16 FAV sz 120 1SB	FGKS1040-10001_	Titan Silver	without	1 pc
	FGKS1040-10004_	Titan Silver	without	25 pcs
sec.sash gear 16 FAV sz 140 1SB	FGKS1050-10001_	Titan Silver	without	1 pc
	FGKS1050-10004_	Titan Silver	without	25 pcs
sec.sash gear 16 FAV sz 160 1SB	FGKS1060-10001_	Titan Silver	without	1 pc
	FGKS1060-10002_	Titan Silver	without	10 pcs
sec.sash gear 16 FAV sz 180 2SB	FGKS1070-10001_	Titan Silver	without	1 pc
	FGKS1070-10002_	Titan Silver	without	10 pcs
sec.sash gear 16 FAV sz 200 2SB	FGKS1080-10001_	Titan Silver	without	1 pc
	FGKS1080-10002_	Titan Silver	without	10 pcs

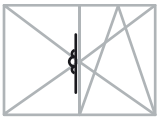


sec. sash gear 16 FAV. GM

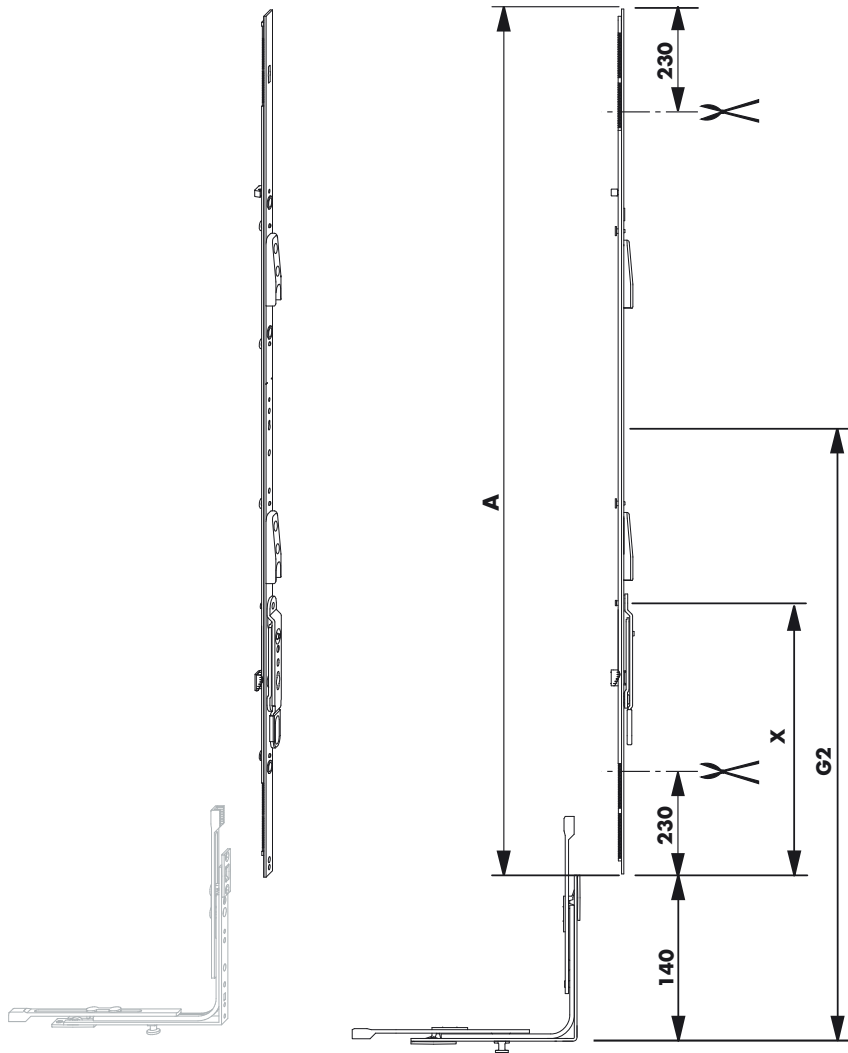
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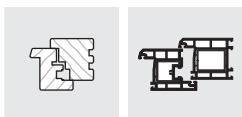
Technical information

Part number	Description	FFH	Dimensions (mm)			
			G2	A	X	
FGMS1010...	sec.sash gear 16 FAV sz 70 1SB	720 - 1180	360 - 590	900	409	3
FGMS1020...	sec.sash gear 16 FAV sz 100 1SB	1000 - 1460	500 - 730	1180	409	5
FGMS1030...	sec.sash gear 16 FAV sz 120 2SB	1220 - 1680	610 - 840	1400	409	7
FGMS1040...	sec.sash gear 16 FAV sz 150 1SB	1461 - 1920	730 - 960	1640	475	7
FGMS1050...	sec.sash gear 16 FAV sz 150 2SB	1461 - 1920	730 - 960	1640	475	9
FGMS1060...	sec.sash gear 16 FAV sz 200 2SB	1921 - 2380	960 - 1190	2100	475	12



- Handle height centre/variable
- G2 in the main sash
- Use in slave sashes with opposing fitting groove
- Pre-prepped to receive snapper A1360





sec. sash gear 16 FAV. GM

FAVORIT

Sales information

Description	Part number	Surface	Colour	Box quantity
sec.sash gear 16 FAV sz 70 1SB	FGMS1010-10001_	Titan Silver	without	1 pc
	FGMS1010-10004_	Titan Silver	without	25 pcs
sec.sash gear 16 FAV sz 100 1SB	FGMS1020-10001_	Titan Silver	without	1 pc
	FGMS1020-10004_	Titan Silver	without	25 pcs
sec.sash gear 16 FAV sz 120 2SB	FGMS1030-10001_	Titan Silver	without	1 pc
	FGMS1030-10004_	Titan Silver	without	25 pcs
sec.sash gear 16 FAV sz 150 1SB	FGMS1040-10001_	Titan Silver	without	1 pc
	FGMS1040-10002_	Titan Silver	without	10 pcs
sec.sash gear 16 FAV sz 150 2SB	FGMS1050-10001_	Titan Silver	without	1 pc
	FGMS1050-10002_	Titan Silver	without	10 pcs
sec.sash gear 16 FAV sz 200 2SB	FGMS1060-10001_	Titan Silver	without	1 pc
	FGMS1060-10002_	Titan Silver	without	10 pcs



gear DF 23

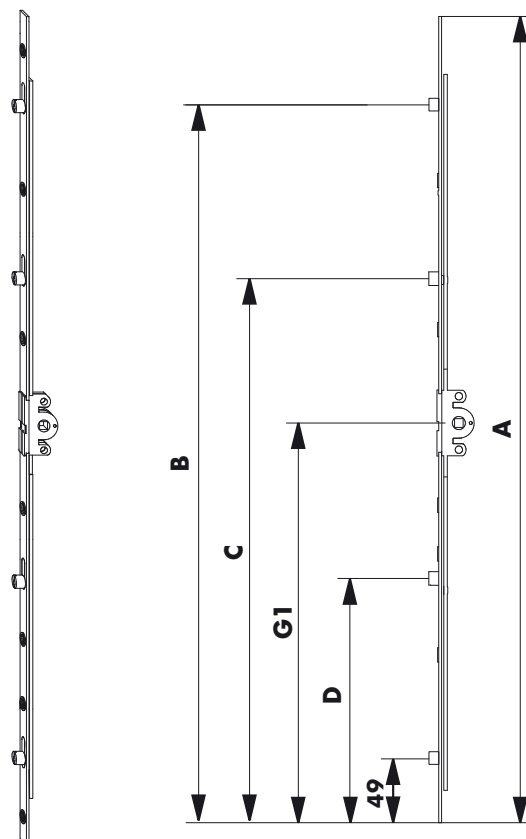
FAVORIT

Technical information

Part number	Description	FFH	Dimensions (mm)						
			G1	A	B	C	D		
713440	gear DF 23 sz 40	200 - 430	125	430	201	-	-	1	3
701522	gear DF 23 sz 50/G190	431 - 600	190	600	336	-	-	2	6
701539	gear DF 23 sz 60/G290	601 - 800	290	800	536	-	-	2	7
701553	gear DF 23 sz 80/G390	801 - 1000	390	1000	736	-	-	2	8
701584	gear DF 23 sz 100/G490 MV	1001 - 1200	490	1200	936	566	-	3	9
701614	gear DF 23 sz 120/G590 MV	1201 - 1400	590	1400	1136	666	-	3	10
701645	gear DF 23 sz 140/G690 MV	1401 - 1600	690	1630	1336	766	-	3	10
713457	gear DF 23 sz 160/G690 MV	1601 - 1800	690	1860	1536	766	-	3	11
701669	gear DF 23 sz 180/G1090 TL	1801 - 2000	1090	2000	1736	1266	666	4	14
701676	gear DF 23 sz 200/G1090 TL	2001 - 2200	1090	2200	1936	1266	666	4	15
713464	gear DF 23 sz 220/G1090 TL	2201 - 2360	1090	2360	2136	1266	666	4	15



- Handle height constant
- FFH PVC max. 800 mm, timber max. 1030 mm
- Backset 16 mm
- Gear DF 23 size 40 without bottom cam





gear DF 23

FAVORIT

Sales information

Description	Part number	Surface	Colour	Box quantity
gear DF 23 sz 40	713440	Titan Silver	without	1 pc
	295502	Titan Silver	without	25 pcs
gear DF 23 sz 50/G190	701522	Titan Silver	without	1 pc
	276839	Titan Silver	without	25 pcs
gear DF 23 sz 60/G290	701539	Titan Silver	without	1 pc
	276846	Titan Silver	without	25 pcs
gear DF 23 sz 80/G390	701553	Titan Silver	without	1 pc
	276860	Titan Silver	without	25 pcs
gear DF 23 sz 100/G490 MV	701584	Titan Silver	without	1 pc
	276891	Titan Silver	without	25 pcs
gear DF 23 sz 120/G590 MV	701614	Titan Silver	without	1 pc
	276921	Titan Silver	without	25 pcs
gear DF 23 sz 140/G690 MV	701645	Titan Silver	without	1 pc
	276952	Titan Silver	without	25 pcs
gear DF 23 sz 160/G690 MV	713457	Titan Silver	without	1 pc
	295519	Titan Silver	without	10 pcs
gear DF 23 sz 180/G1090 TL	701669	Titan Silver	without	1 pc
	276976	Titan Silver	without	10 pcs
gear DF 23 sz 200/G1090 TL	701676	Titan Silver	without	1 pc
	276983	Titan Silver	without	10 pcs
gear DF 23 sz 220/G1090 TL	713464	Titan Silver	without	1 pc
	295526	Titan Silver	without	10 pcs

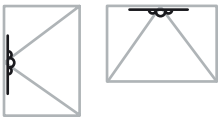


gear DF 3

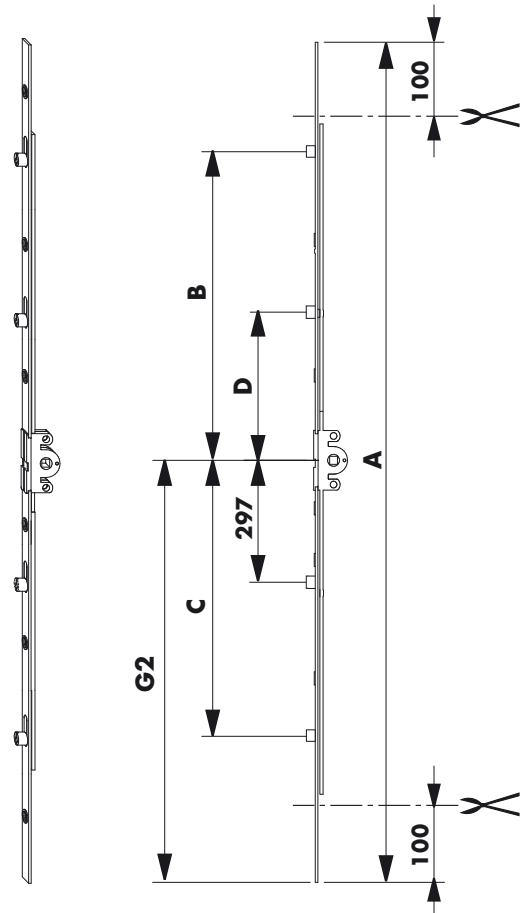
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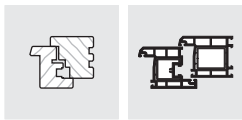
Technical information

Part number	Description	FFH	Dimensions (mm)						
			G2	A	B	C	D		
701218	gear DF 3 sz 40	200 - 430	100 - 215	430	41	-	-	1	4
701225	gear DF 3 sz 60	401 - 600	200 - 300	600	136	134	-	2	6
701232	gear DF 3 sz 80	601 - 800	300 - 400	800	186	184	-	2	6
701249	gear DF 3 sz 100	801 - 1000	400 - 500	1000	286	284	-	2	8
701256	gear DF 3 sz 120 MV	1001 - 1200	500 - 600	1200	386	384	151	3	10
701263	gear DF 3 sz 140 MV	1201 - 1400	600 - 700	1400	486	484	151	3	10
701270	gear DF 3 sz 160 MV	1401 - 1600	700 - 800	1600	586	584	151	3	12
701287	gear DF 3 sz 180 MV	1601 - 1800	800 - 900	1800	686	684	151	3	13
701294	gear DF 3 sz 200 MV	1801 - 2000	900 - 1000	2000	786	784	151	3	14
701300	gear DF 3 sz 220 TL	2001 - 2200	1000 - 1100	2200	886	884	301	4	16
701317	gear DF 3 sz 240 TL	2201 - 2360	1100 - 1200	2360	986	984	301	4	16



- Handle height centre/variable
- FFH PVC max. 800 mm, timber max. 1030 mm
- Backset 16 mm





gear DF 3

FAVORIT

Sales information

Description	Part number	Surface	Colour	Box quantity
gear DF 3 sz 40	701218	Titan Silver	without	1 pc
	276525	Titan Silver	without	25 pcs
gear DF 3 sz 60	701225	Titan Silver	without	1 pc
	276532	Titan Silver	without	25 pcs
gear DF 3 sz 80	701232	Titan Silver	without	1 pc
	276549	Titan Silver	without	25 pcs
gear DF 3 sz 100	701249	Titan Silver	without	1 pc
	276556	Titan Silver	without	25 pcs
gear DF 3 sz 120 MV	701256	Titan Silver	without	1 pc
	276563	Titan Silver	without	25 pcs
gear DF 3 sz 140 MV	701263	Titan Silver	without	1 pc
	276570	Titan Silver	without	25 pcs
gear DF 3 sz 160 MV	701270	Titan Silver	without	1 pc
	276587	Titan Silver	without	25 pcs
gear DF 3 sz 180 MV	701287	Titan Silver	without	1 pc
	276594	Titan Silver	without	10 pcs
gear DF 3 sz 200 MV	701294	Titan Silver	without	1 pc
	276600	Titan Silver	without	10 pcs
gear DF 3 sz 220 TL	701300	Titan Silver	without	1 pc
	276617	Titan Silver	without	10 pcs
gear DF 3 sz 240 TL	701317	Titan Silver	without	1 pc
	276624	Titan Silver	without	10 pcs

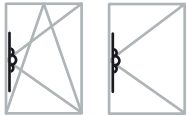


gear 3 PZ-25

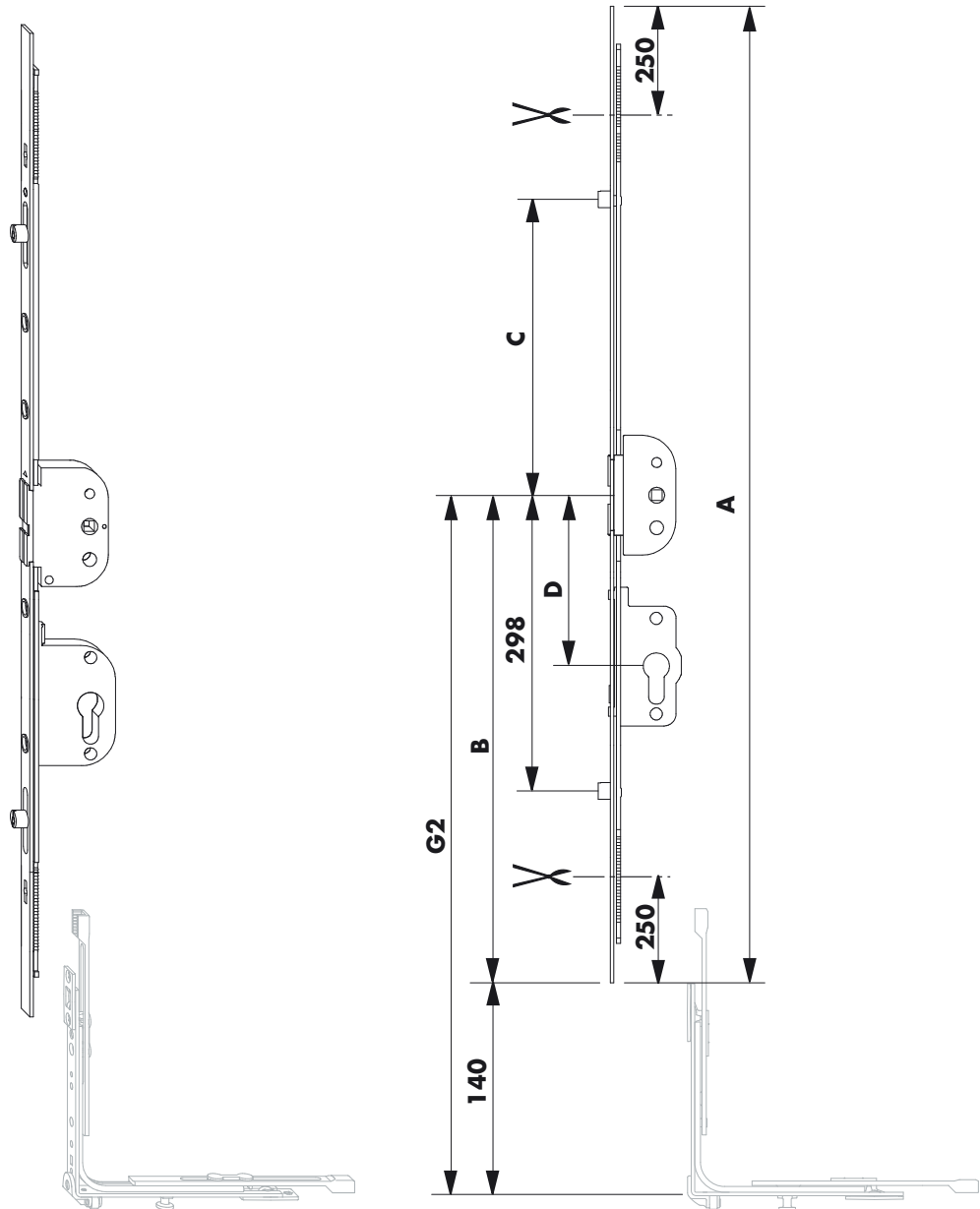
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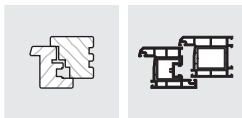
Technical information

Part number	Description	FFH	Dimensions (mm)						
			G2	A	B	C	D		
712467	gear 3 PZ-25 sz 3 MV	1461 - 1920	730 - 960	1640	820	150	160	1	7
707944	gear 3 PZ-25 sz 4 TL	1880 - 2360	940 - 1180	2100	1050	300	200	2	9
707760	gear 3 PZ-25 sz 4a TL	1650 - 2150	940 - 1180	1870	1050	300	200	2	7



- Handle height centre/variable
- Backset 25 mm
- Suitable for standard profile cylinders
- For basic security





gear 3 PZ-25

FAVORIT

Sales information

Description	Part number	Surface	Colour	Box quantity
gear 3 PZ-25 sz 3 MV	712467	Titan Silver	without	1 pc
	FGMK7020-10002_	Titan Silver	without	10 pcs
gear 3 PZ-25 sz 4 TL	707944	Titan Silver	without	1 pc
	286135	Titan Silver	without	10 pcs
gear 3 PZ-25 sz 4a TL	707760	Titan Silver	without	1 pc
	285992	Titan Silver	without	10 pcs

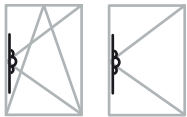


gear 3 PZ-30

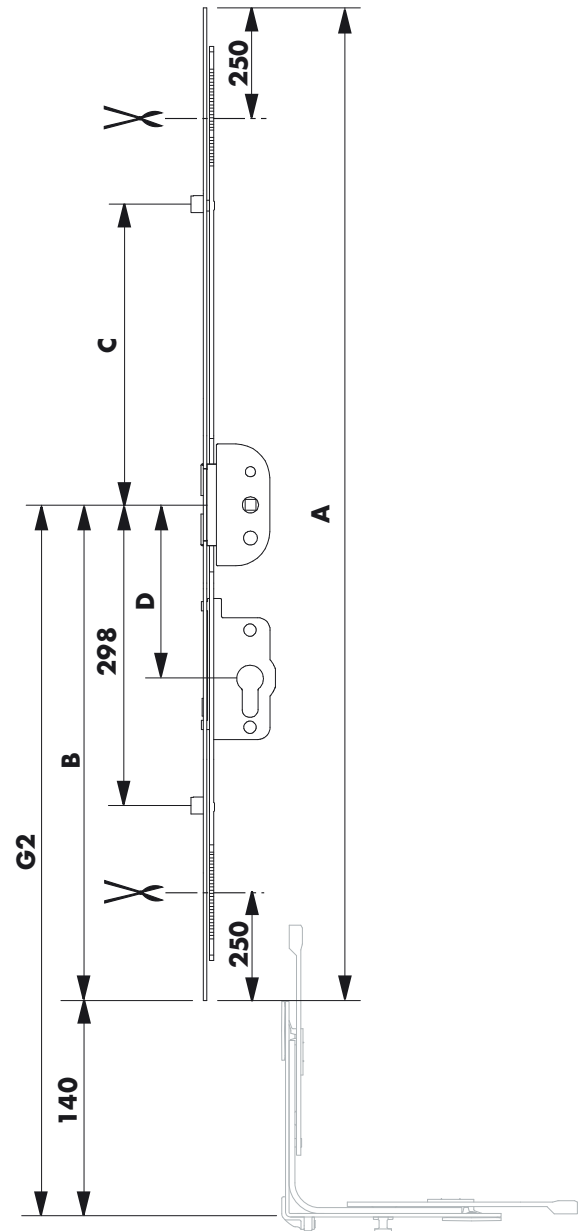
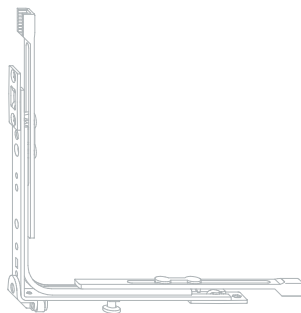
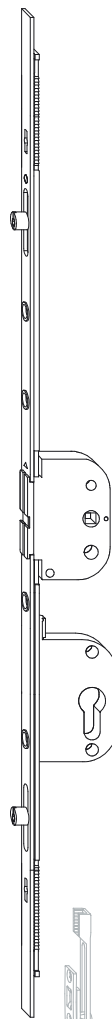
FAVORIT

Technical information

Part number	Description	FFH	Dimensions (mm)						
			G2	A	B	C	D		
705889	gear 3 PZ-30 sz 4 TL	1880 - 2360	940 - 1180	2100	1050	300	200	2	9
705896	gear 3 PZ-30 sz 4a TL	1650 - 2150	940 - 1180	1870	1050	300	200	2	7



- Handle height centre/variable
- Backset 30 mm
- Suitable for standard profile cylinders
- For basic security



Sales information

Description	Part number	Surface	Colour	Box quantity
gear 3 PZ-30 sz 4 TL	705889	Titan Silver	without	1 pc
	281925	Titan Silver	without	10 pcs
gear 3 PZ-30 sz 4a TL	705896	Titan Silver	without	1 pc
	281932	Titan Silver	without	10 pcs

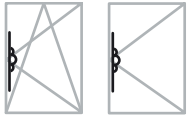


gear 3 PZ-35

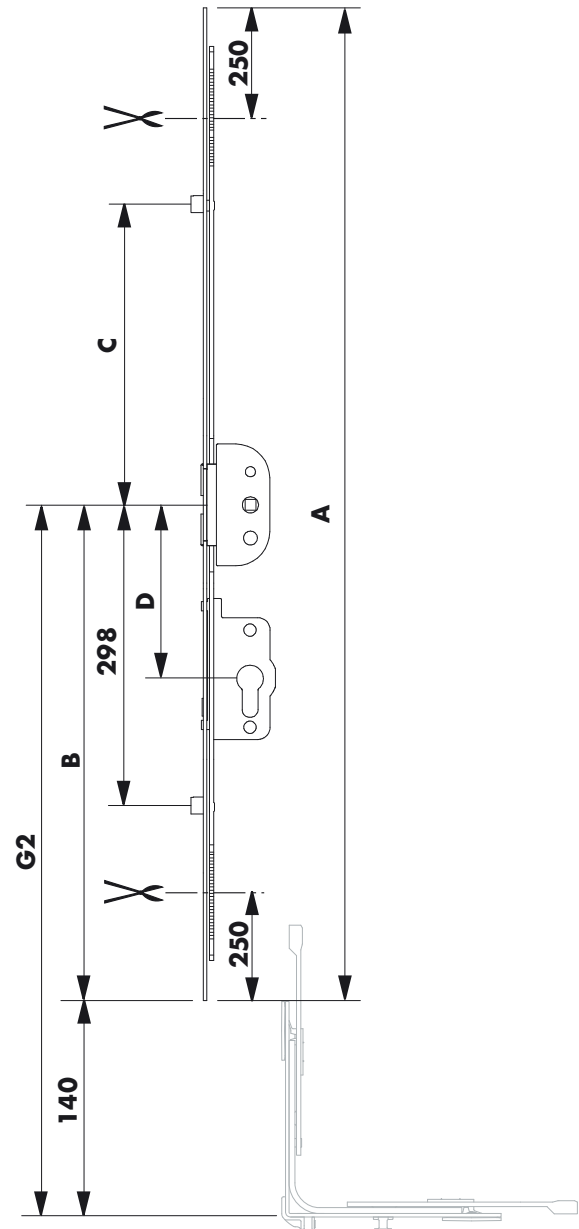
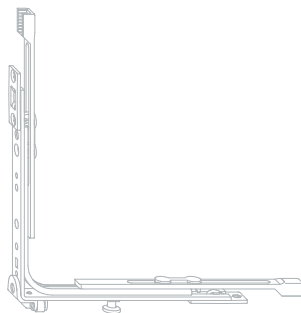
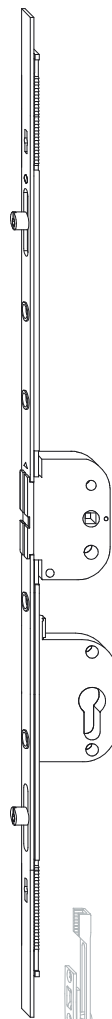
FAVORIT

Technical information

Part number	Description	FFH	Dimensions (mm)						
			G2	A	B	C	D		
705964	gear 3 PZ-35 sz 4 TL	1880 - 2360	940 - 1180	2100	1050	300	200	2	9
705971	gear 3 PZ-35 sz 4a TL	1650 - 2150	940 - 1180	1870	1050	300	200	2	7



- Handle height centre/variable
- Backset 35 mm
- Suitable for standard profile cylinders
- For basic security



Sales information

Description	Part number	Surface	Colour	Box quantity
gear 3 PZ-35 sz 4 TL	705964	Titan Silver	without	1 pc
	282007	Titan Silver	without	10 pcs
gear 3 PZ-35 sz 4a TL	705971	Titan Silver	without	1 pc
	282014	Titan Silver	without	10 pcs

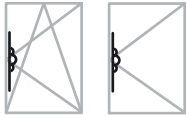


gear 3 PZ-40

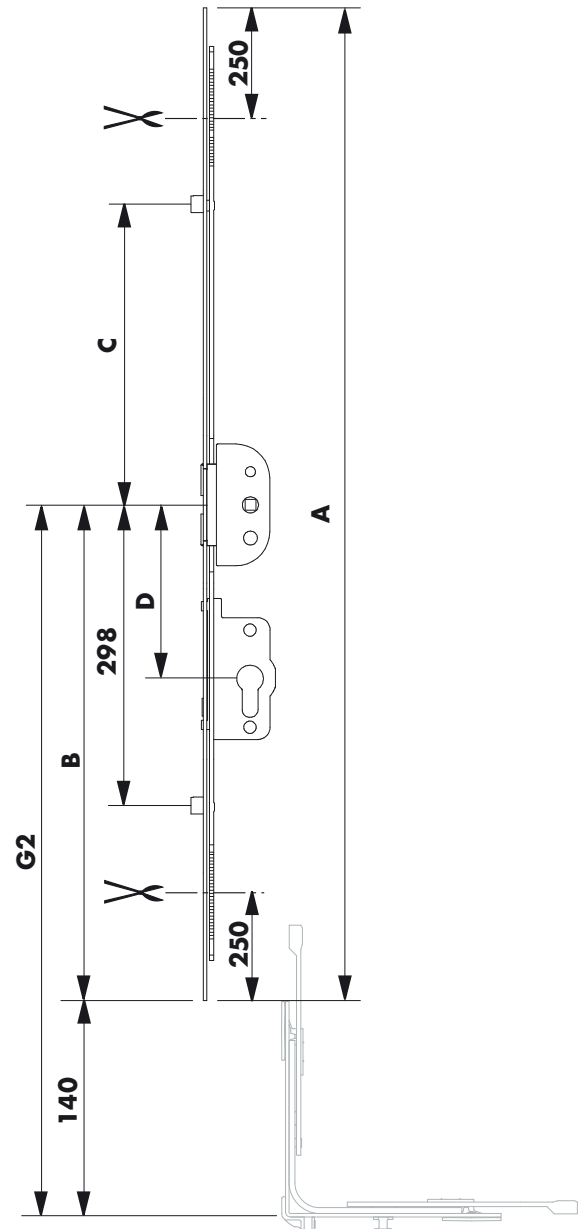
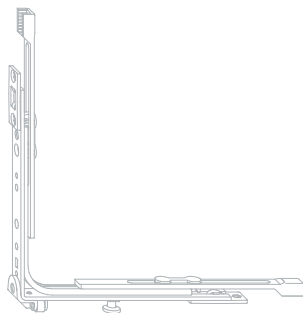
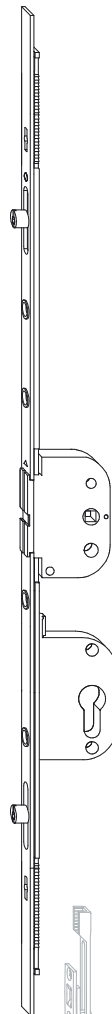
FAVORIT

Technical information

Part number	Description	FFH	Dimensions (mm)						
			G2	A	B	C	D		
701928	gear 3 PZ-40 sz 4 TL	1880 - 2360	940 - 1180	2100	1050	300	200	2	9
701935	gear 3 PZ-40 sz 4a TL	1650 - 2150	940 - 1180	1870	1050	300	200	2	7



- Handle height centre/variable
- Backset 40 mm
- Suitable for standard profile cylinders
- For basic security



Sales information

Description	Part number	Surface	Colour	Box quantity
gear 3 PZ-40 sz 4 TL	701928	Titan Silver	without	1 pc
	277294	Titan Silver	without	10 pcs
gear 3 PZ-40 sz 4a TL	701935	Titan Silver	without	1 pc
	277300	Titan Silver	without	10 pcs

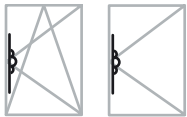


gear 3 PZ-45

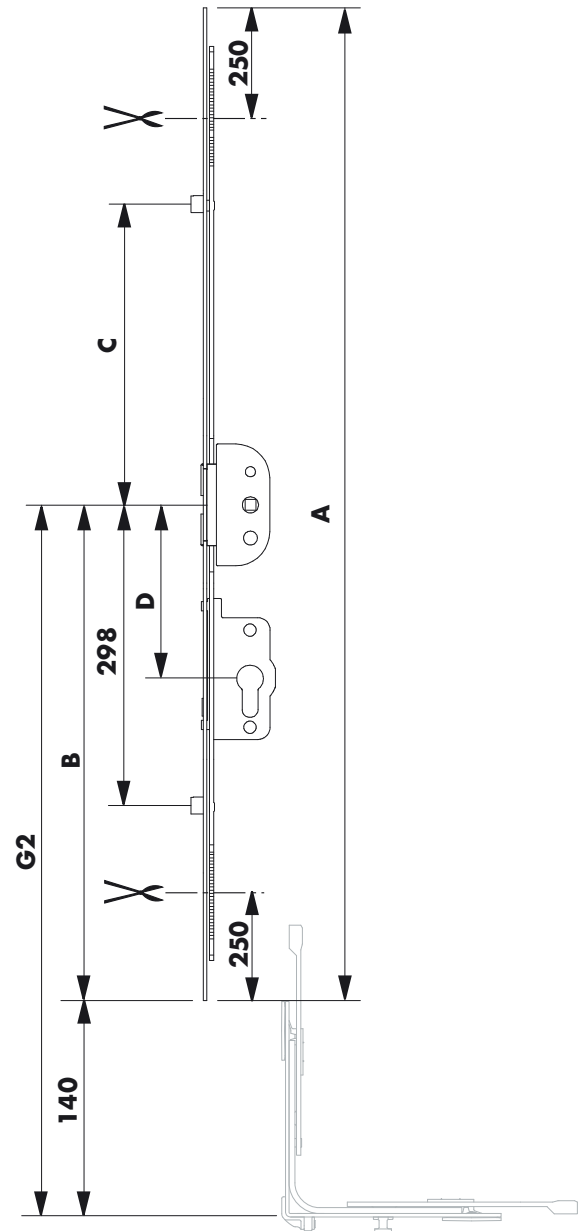
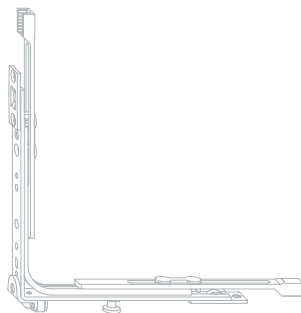
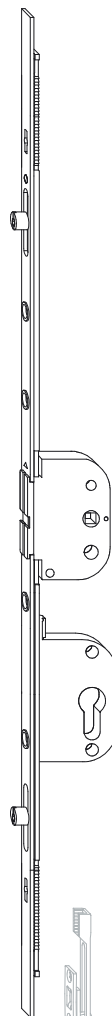
FAVORIT

Technical information

Part number	Description	FFH	Dimensions (mm)						
			G2	A	B	C			D
700433	gear 3 PZ-45 sz 4 TL	1880 - 2360	940 - 1180	2100	1050	300	200	2	9
700518	gear 3 PZ-45 sz 4a TL	1650 - 2150	940 - 1180	1870	1050	300	200	2	7



- Handle height centre/variable
- Backset 45 mm
- Suitable for standard profile cylinders
- For basic security



Sales information

Description	Part number	Surface	Colour	Box quantity
gear 3 PZ-45 sz 4 TL	700433	Titan Silver	without	1 pc
	275481	Titan Silver	without	10 pcs
gear 3 PZ-45 sz 4a TL	700518	Titan Silver	without	1 pc
	275498	Titan Silver	without	10 pcs

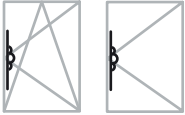


gear 3 PZ-50

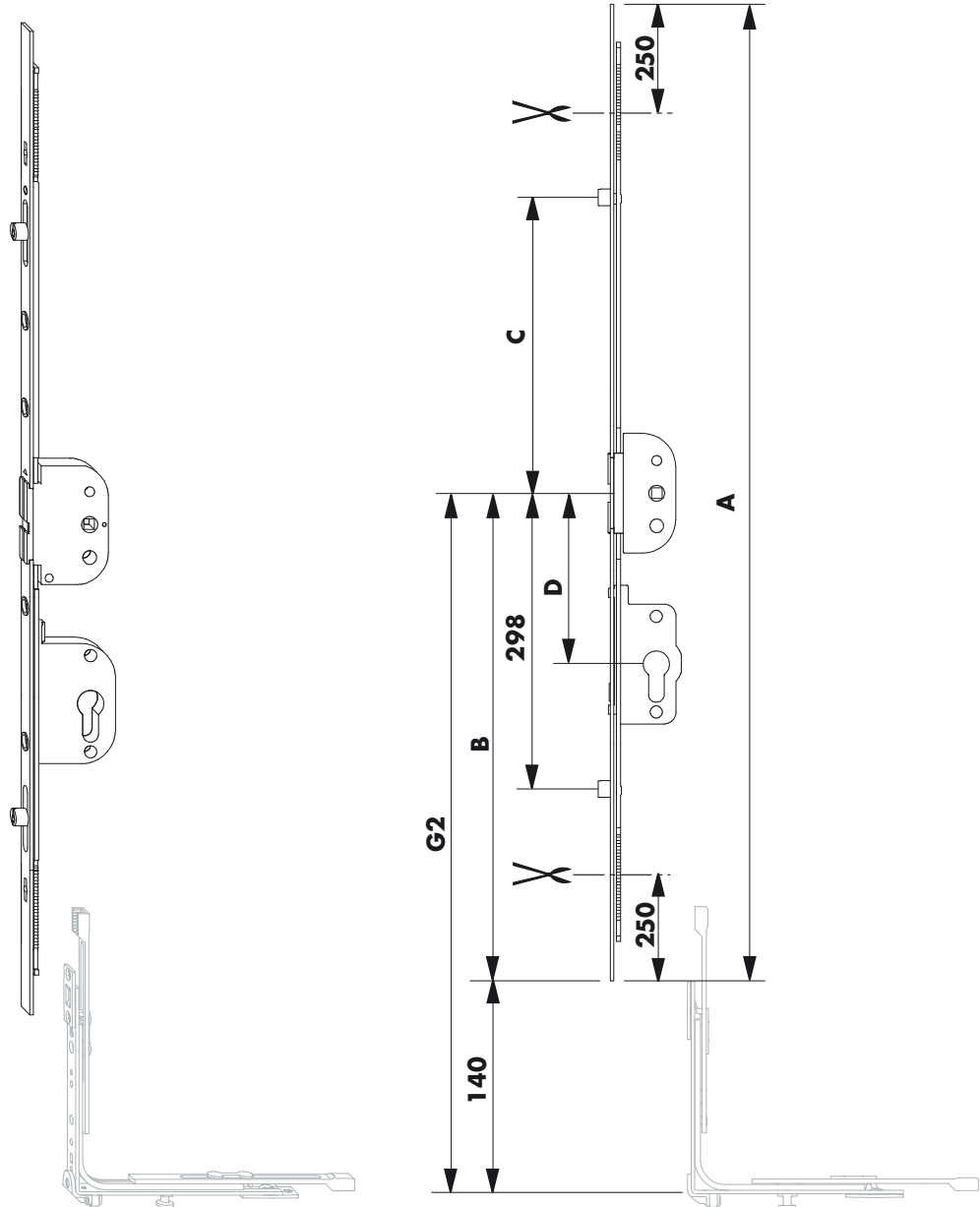
FAVORIT

Technical information

Part number	Description	FFH	Dimensions (mm)						
			G2	A	B	C			D
701959	gear 3 PZ-50 sz 4 TL	1880 - 2360	940 - 1180	2100	1050	300	200	2	9



- Handle height centre/variable
- Backset 50 mm
- Suitable for standard profile cylinders
- For basic security



Sales information

Description	Part number	Surface	Colour	Box quantity
gear 3 PZ-50 sz 4 TL	701959	Titan Silver	without	1 pc
	277324	Titan Silver	without	10 pcs

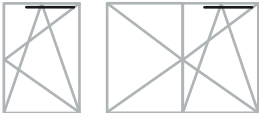


stay 7

FAVORIT

Technical information

Part number	Description	FFB	Dimensions (mm)		sash weight		
			A	B			
707302	stay 7 sz 30	290 - 620	484	-	130 kg	0	4
707319	stay 7 sz 35 MV	621 - 800	660	373	130 kg	1	5
707326	stay 7 sz 50 MV	801 - 1030	890	551	130 kg	1	7
707333	stay 7 sz 55 MV	1031 - 1260	1120	551	130 kg	1	8



- Notice:

FFB 1261 - 1490 mm: Additional stay to be combined with stay 7 size 50

FFB 1491 - 1650 mm: Additional stay to be combined with stay 7 size 55

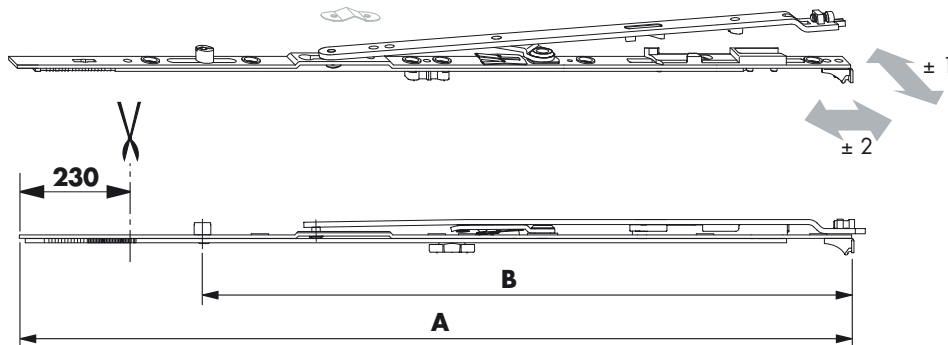
- For rebate width 15 - 22 mm

- Air gap min. 12 mm

- **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information

Description	Part number	Surface	Colour	Box quantity
stay 7 sz 30	707302	Titan Silver	without	1 pc
	283431	Titan Silver	without	25 pcs
stay 7 sz 35 MV	707319	Titan Silver	without	1 pc
	283455	Titan Silver	without	25 pcs
stay 7 sz 50 MV	707326	Titan Silver	without	1 pc
	283479	Titan Silver	without	25 pcs
stay 7 sz 55 MV	707333	Titan Silver	without	1 pc
	283493	Titan Silver	without	25 pcs



stay 7 TBT

FAVORIT

Technical information

Part number	Description	FFB	Dimensions (mm)		sash weight		
			A	B			
707357	stay 7 TBT sz 30	290 - 620	484	-	130 kg	0	4
707364	stay 7 TBT sz 35 MV	621 - 800	660	373	130 kg	1	5
707371	stay 7 TBT sz 50 MV	801 - 1030	890	551	130 kg	1	7
707388	stay 7 TBT sz 55 MV	1031 - 1260	1120	551	130 kg	1	8



- Notice:

FFB 1261 - 1490 mm: Additional stay to be combined with stay 7 TBT size 50

FFB 1491 - 1650 mm: Additional stay to be combined with stay 7 TBT size 55

- Sequence of operation: TILT before TURN

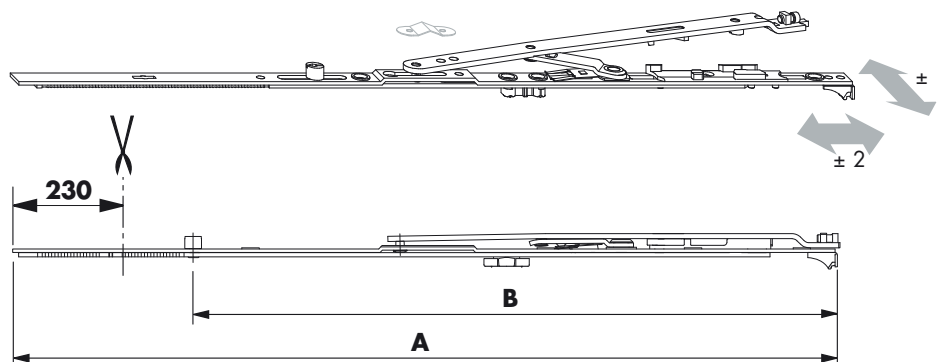
- For rebate width 15 - 22 mm

- Air gap min. 12 mm

- **Please observe:**

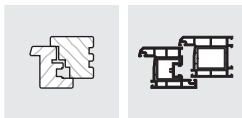
Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information



Description	Part number	Surface	Colour	Box quantity
stay 7 TBT sz 30	707357	Titan Silver	without	1 pc
	283530	Titan Silver	without	25 pcs
stay 7 TBT sz 35 MV	707364	Titan Silver	without	1 pc
	283547	Titan Silver	without	25 pcs
stay 7 TBT sz 50 MV	707371	Titan Silver	without	1 pc
	283554	Titan Silver	without	25 pcs
stay 7 TBT sz 55 MV	707388	Titan Silver	without	1 pc
	283561	Titan Silver	without	25 pcs

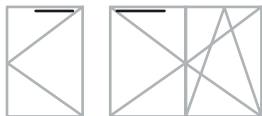


stay 7 DF

FAVORIT

Technical information

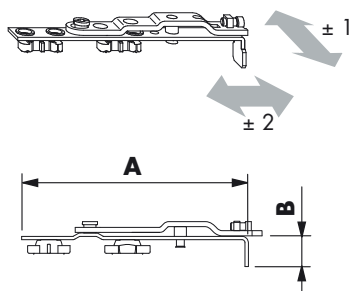
Part number	Description	FFB	Dimensions (mm)		sash weight		
			A	B			
707340	stay 7 DF	290 - 1560	148	20	130 kg	0	4



- For rebate width 15 - 22 mm
- Air gap min. 12 mm
- For sashes with fitting groove
- For basic security
- **Please observe:**

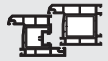
Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information

Description	Part number	Surface	Colour	Box quantity
stay 7 DF	707340	Titan Silver	without	1 pc
	283516	Titan Silver	without	25 pcs

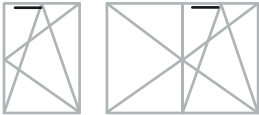


crt. additional stay

FAVORIT

Technical information

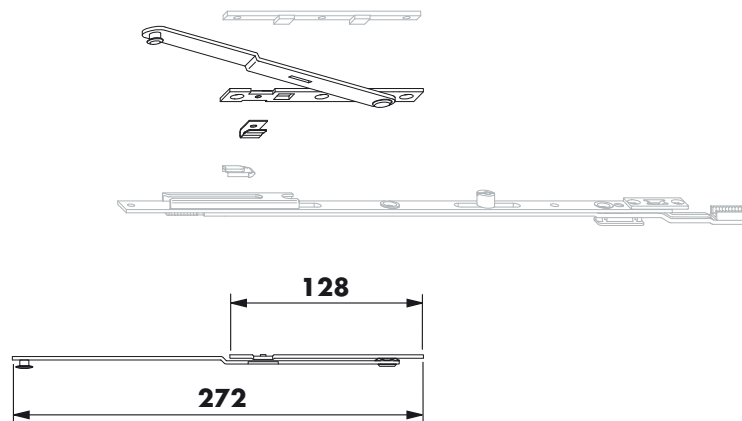
Part number	Description	FFB	Groove axis	sash weight
275009	crt.additional stay	1261 - 1560	-	130 kg
275047	crt.additional stay 20/9	1261 - 1560	9	130 kg
280232	crt.additional stay 26/13	1261 - 1560	13	130 kg



• **Please observe:**

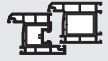
Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information

Description	Part number	Surface	Colour	Box quantity
crt.additional stay	275009	Titan Silver	without	25 pcs
crt.additional stay 20/9	275047	Titan Silver	without	25 pcs
crt.additional stay 26/13	280232	Titan Silver	without	25 pcs

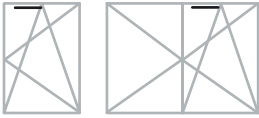


crt. additional stay TBT

FAVORIT

Technical information

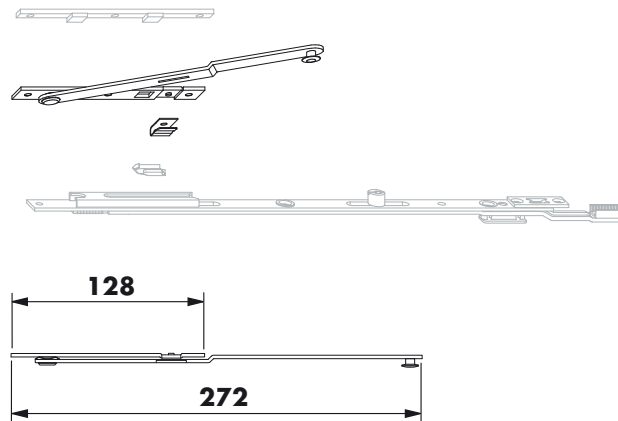
Part number	Description	FFB	sash weight
275016	crt.additional stay TBT	1261 - 1560	130 kg



• **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information

Description	Part number	Surface	Colour	Box quantity
crt.additional stay TBT	275016	Titan Silver	without	25 pcs



friction stay

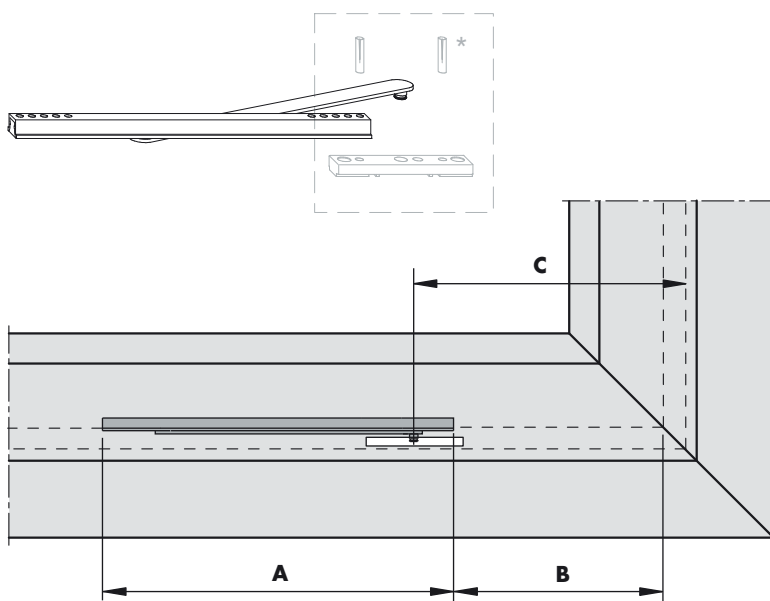
FAVORIT

Technical information

Part number	Description	FFB	Dimensions (mm)				
			A	B	C		
704110	friction stay sz 190/126	425 - 800	190	29	45	1	4
704127	friction stay sz 280/236,5	611 - 1200	280	125	117	1	4
704134	friction stay sz 360/270	691 - 1460	360	125	160	1	4



- Adjustable brake effect (SW 2.5)
- Opening angle max. 90°
- Do not use as an opening restrictor!
- *Acc. bag friction stay refer to PDB line item FMBR



Sales information


Description	Part number	Surface	Colour	Box quantity
friction stay sz 190/126	704110	Titan Silver	without	1 pc
	279939	Titan Silver	without	25 pcs
friction stay sz 280/236,5	704127	Titan Silver	without	1 pc
	279946	Titan Silver	without	25 pcs
friction stay sz 360/270	704134	Titan Silver	without	1 pc
	279953	Titan Silver	without	25 pcs



tilt only safety stay

FAVORIT

Technical information

Part number	Description	Dimensions (mm)			sash weight	
		A	B	C		
ASFP0011-...	tilt only safety stay sz 1 rh.	163	45	25	50 kg	4
ASFP0012-...	tilt only safety stay sz 1 lh.	163	45	25	50 kg	4
ASFP0021-...	tilt only safety stay sz 2 rh.	258	45	25	50 kg	4
ASFP0022-...	tilt only safety stay sz 2 lh.	258	45	25	50 kg	4

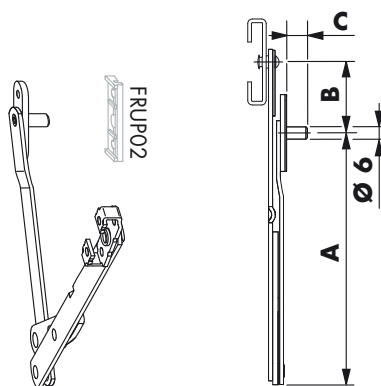


- Packer refer to PDB line item FRUP02
- Always use two tilt only safety stays per tilt sash

• **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"



Sales information


Description	Part number	Surface	Colour	Box quantity
tilt only safety stay sz 1 rh.	ASFP0011-10001_	Titan Silver	without	1 pc
	ASFP0011-10002_	Titan Silver	without	10 pcs
tilt only safety stay sz 1 lh.	ASFP0012-10001_	Titan Silver	without	1 pc
	ASFP0012-10002_	Titan Silver	without	10 pcs
tilt only safety stay sz 2 rh.	ASFP0021-10001_	Titan Silver	without	1 pc
	ASFP0021-10002_	Titan Silver	without	10 pcs
tilt only safety stay sz 2 lh.	ASFP0022-10001_	Titan Silver	without	1 pc
	ASFP0022-10002_	Titan Silver	without	10 pcs



telescopic tilt only stay

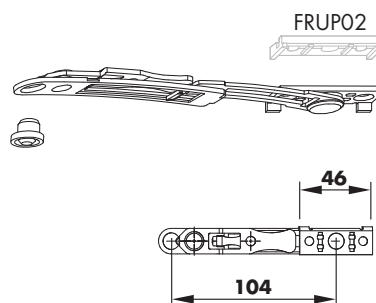
FAVORIT

Technical information

Part number	Description	FFB	sash weight	
TSKF0020-...	telescopic tilt only stay (2)	290 - 2360	50 kg	0
TFZB0050-...	lock.bolt f.rais.ring facepl.	-	-	-
TFZB0060-...	lock.bolt for flat faceplates	-	-	-

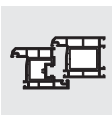


- Minimum component length 110 mm due to telescope arm
- The tilt movement is slowed down

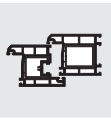


Sales information

Description	Part number	Surface	Colour	Box quantity
telescopic tilt only stay (2)	TSKF0020-10001_	Titan Silver	without	1 pc
	TSKF0020-10006_	Titan Silver	without	100 pcs
lock.bolt f.rais.ring facepl.	TFZB0050-10001_	Titan Silver	without	1 pc
	TFZB0050-10006_	Titan Silver	without	100 pcs
lock.bolt for flat faceplates	TFZB0060-10001_	Titan Silver	without	1 pc
	TFZB0060-10006_	Titan Silver	without	100 pcs




Description	Part number	Page
Accessories:		
turn lock with hexagon socket	900406, 801284	8 - 2
turn lock with cylinder	713433, 801277	8 - 3
energy saving stay	ZSES0010	8 - 4
mishandling device FAV.	289983, 300596	8 - 5
sash lift A2000	TFFH0010	8 - 6
sash part MV	700655, 700662, FFMV0020, TFMV0020	8 - 7
handle Si-line	844052, 853856, 868973, ZHSS0030	8 - 8
handle Si-line lockable TBT	873700, 873724	8 - 9
travel restrictor S-ES	891124	8 - 10
Frame Parts:		
striker plate 56	Exemplary representation	8 - 11
striker plate S 56	Exemplary representation	8 - 12
striker plate S-ES	Exemplary representation	8 - 13
tilt striker plate	Exemplary representation	8 - 14
tilt lock bearing S-ES(SL-S) FH	Exemplary representation	8 - 15
shoot bolt A2000	701195, 701126	8 - 16
shoot bolt A0800	701157, 701102	8 - 17
shoot bolt A1360	701188, 701119	8 - 18
snapper	Exemplary representation	8 - 20
frame part SP-S	Exemplary representation	8 - 21



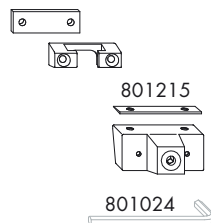
turn lock w. hexagon socket

TITAN

Technical information

Part number	Description	
900406	turning lock w. hexagon socket	-
801284	packer turning lock	0

- Lockable in closed and tilt position
- The sash can be tilted when turn lock is activated
- Please order packer and compensation piece 5° 801215 separately



Sales information

Description	Part number	Surface	Colour	Box quantity
turning lock w. hexagon socket	900406	neutral	RAL9003	1 pc
	316177	neutral	RAL9003	50 pcs
packer turning lock	801284	neutral	RAL9003	1 pc
	801291	neutral	RAL8019	1 pc



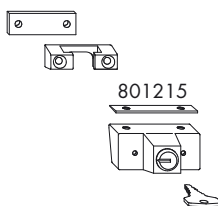
turn lock w. cylinder

TITAN

Technical information

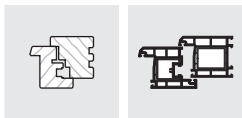
Part number	Description
713433	turning lock w. cylinder
801277	packer turning lock

- Lockable in closed and tilt position
- The sash can be tilted when turn lock is activated
- Please order packer and compensation piece 5° 801215 separately



Sales information

Description	Part number	Surface	Colour	Box quantity
turning lock w. cylinder	880906	neutral	RAL9003	1 pc
	268599	neutral	RAL9003	50 pcs
	880913	neutral	RAL8019	1 pc
	268605	neutral	RAL8019	50 pcs
	713433	Titan Silver	without	1 pc
	295496	Titan Silver	without	50 pcs
packer turning lock	801284	neutral	RAL9003	1 pc
	801291	neutral	RAL8019	1 pc
	801277	Titan Silver	without	1 pc



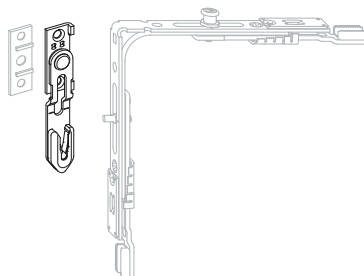
energy saving stay

TITAN

Technical information

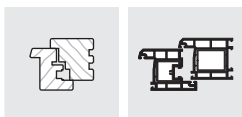
Part number	Description
ZSES0010-...	energy saving stay

- Enables the sash to be tilted in an energy saving night-vent position
- Suitable for use with corner drive FEUL0020/FEUL0030



Sales information

Description	Part number	Surface	Colour	Box quantity
energy saving stay	ZSES0010-10001_	Titan Silver	without	1 pc
	ZSES0010-10005_	Titan Silver	without	50 pcs



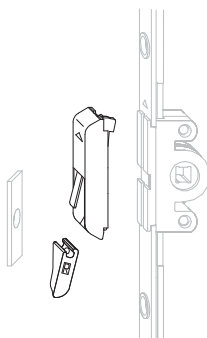
mishandling device FAV.

TITAN

Technical information

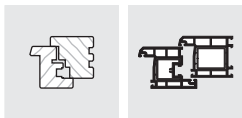
Part number	Description
289983	mishandling device FAV. 9
300596	mishandling device FAV. 13 A2100

- Refer to the PDB, line item FRZF01 for matching stops
- Mishandling device FAV. 9 = groove axis 9 mm
Mishandling device FAV. 13 = groove axis 13 mm



Sales information

Description	Part number	Surface	Colour	Box quantity
mishandling device FAV. 9	289983	Titan Silver	without	25 pcs
	275122	Titan Silver	without	250 pcs
mishandling device FAV. 13 A2100	300596	Titan Silver	without	20 pcs
	280256	Titan Silver	without	200 pcs



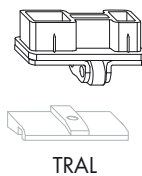
sash lift A2000

TITAN

Technical information

Part number	Description
TFFH0010-...	sash lift .. A2000

- For open hardware groove
- Run-up ramp for sash lift; refer to PDB, line item TRAL



Sales information


Description	Part number	Surface	Colour	Box quantity
sash lift .. A2000	TFFH0010-10001_	Titan Silver	without	1 pc
	TFFH0010-10005_	Titan Silver	without	50 pcs
	TFFH0010-10008_	Titan Silver	without	500 pcs



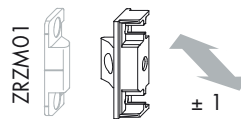
sash part MV conc.

TITAN

Technical information

Part number	Description	
700655	sash part MV conc. with groove	2
700662	sash part MV conc. no groove	2
FFMV0020-...	sash part MV conc.no grve 13mm	2
TFMV0020-...	sash part MV conc. with groove	2

- Retrofittable
- Compression adjustment with hexagon wrench SW4
- Suitable frame part is profile-related, refer to PDB line item ZRZM01



Sales information


Description	Part number	Surface	Colour	Box quantity
sash part MV conc. with groove	700655	Titan Silver	without	1 pc
	275979	Titan Silver	without	100 pcs
sash part MV conc. no groove	700662	Titan Silver	without	1 pc
	275986	Titan Silver	without	100 pcs
sash part MV conc.no grve 13mm	FFMV0020-10001_	Titan Silver	without	1 pc
	FFMV0020-10006_	Titan Silver	without	100 pcs
sash part MV conc. with groove	TFMV0020-10001_	Titan Silver	without	1 pc
	TFMV0020-10006_	Titan Silver	without	100 pcs



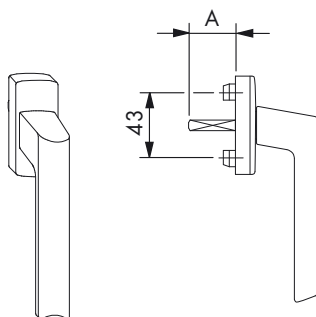
handle Si-line

TITAN

Technical information

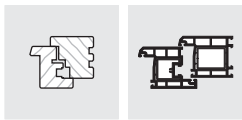
Part number	Description	spindle length	
844052	handle Si-line 31	31	2
853856	handle Si-line 35	35	2
868973	handle Si-line 40	40	2
ZHSS0030-...	handle Si-line 45	45	2

- Lug diameter 12mm
- Dimension A = spindle length



Sales information


Description	Part number	Surface	Colour	Box quantity
handle Si-line 31	844052	neutral	RAL9003	1 pc
	234990	neutral	RAL9003	100 pcs
	844069	neutral	RAL8019	1 pc
	235003	neutral	RAL8019	100 pcs
handle Si-line 35	853856	neutral	RAL9003	1 pc
	243947	neutral	RAL9003	100 pcs
	853863	neutral	RAL8019	1 pc
	243954	neutral	RAL8019	100 pcs
handle Si-line 40	868973	neutral	RAL9003	1 pc
	256374	neutral	RAL9003	100 pcs
	ZHSS3210-01101_	neutral	RAL8019	1 pc
	ZHSS3210-01106_	neutral	RAL8019	100 pcs
handle Si-line 45	ZHSS0030-00201_	neutral	RAL9003	1 pc
	ZHSS0030-00206_	neutral	RAL9003	100 pcs



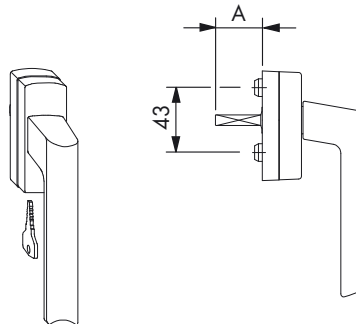
handle Si-line lockable TBT

TITAN

Technical information

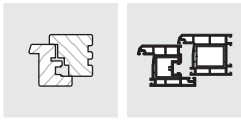
Part number	Description	spindle length	
873700	handle Si-line lockable/TBT 31	31	2
873724	handle Si-line lockable/TBT 35	35	2

- Torque 100 Nm in accordance with DIN V ENV 1627 ff
- Lockable for increased security
- Lockable for TBT operation = TILT before TURN
- Lug diameter 12mm
- Dimension A = spindle length



Sales information

Description	Part number	Surface	Colour	Box quantity
handle Si-line lockable/TBT 31	873700	neutral	RAL9003	1 pc
	260258	neutral	RAL9003	10 pcs
handle Si-line lockable/TBT 35	873724	neutral	RAL9003	1 pc
	260272	neutral	RAL9003	10 pcs
	260289	neutral	RAL8019	10 pcs



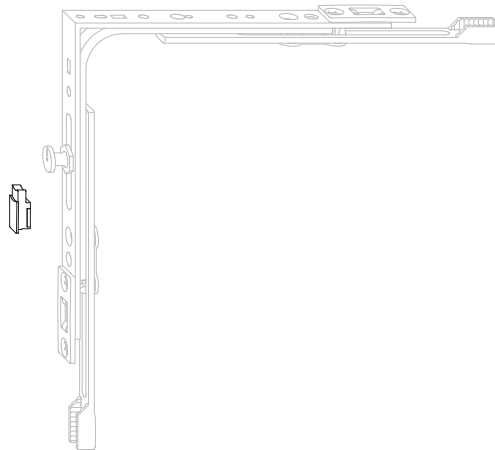
travel restrictor S-ES

TITAN

Technical information

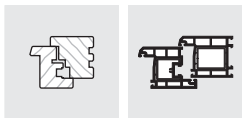
Part number	Description
891124	travel restriction S-ES

- The gear travel will be restricted to half way (90°)



Sales information

Description	Part number	Surface	Colour	Box quantity
travel restriction S-ES	891124	neutral	silver	1 pc
	297223	neutral	silver	250 pcs

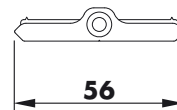
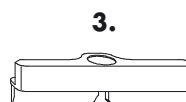
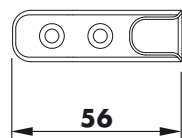
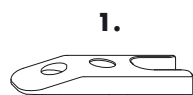


striker plate 56

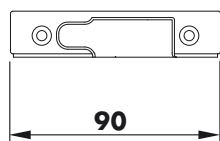
TITAN

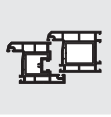
Technical information

- Striker plate 56 profile-related, refer to PDB line item FRSB
- 1. Version for timber 12 mm systems
- 2. Version for timber 4 mm systems
- 3. Version for KF profile systems
- Made of a diecast material
- The depicted version are examples and may vary depending on the profile system.



2.



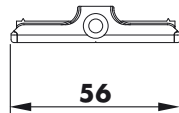
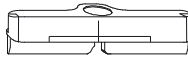


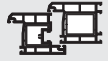
striker plate S 56

TITAN

Technical information

- Striker plate S 56 profile-related, refer to PDB line item TRSM
- PVC-steel variant
- The depicted version are examples and may vary depending on the profile system.





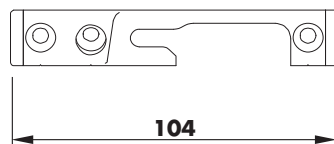
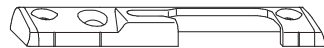
striker plate S-ES

TITAN

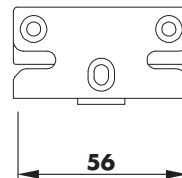
Technical information

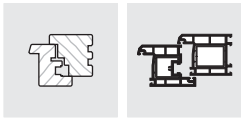
- Striker plate S-ES profile-related, refer to PDB line item FRSC
- 1. Version for timber 12 mm systems
- 2. Version for KF profile systems
- The depicted version are examples and may vary depending on the profile system.

1.



2.





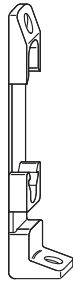
tilt striker plate

TITAN

Technical information

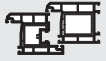
- Tilt striker plate profile-related, refer to PDB line item FRKS
- 1. Version for timber 12 mm systems
- 2. Version for KF profile systems
- The depicted version are examples and may vary depending on the profile system.

1.



2.





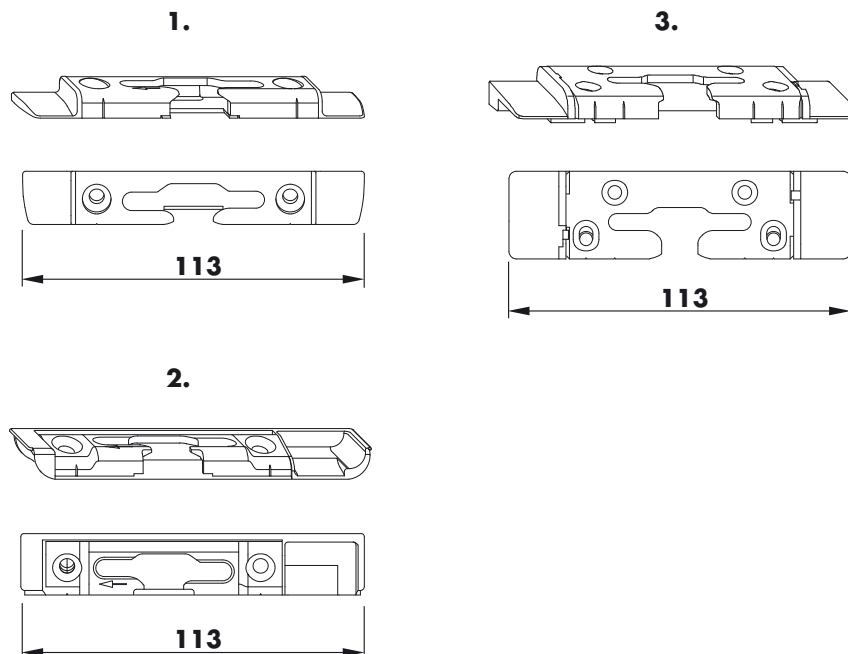
Technical information

- Tilt lock bearing S-ES (SL-S) FH profile-related, refer to PDB line item FRKA (FRKJ)
- 1. Version for timber 12 mm systems
- 2. Version for timber 4 mm systems
- 3. Version for KF profile systems
- SL components are made of a special alloy diecast
- The depicted version are examples and may vary depending on the profile system.

• **Please observe:**

Guidelines/notes on the product and on liability (VHBH directive as well as the other applicable documents listed - directive can be downloaded at www.beschlagindustrie.de/ggsb/richtlinien.asp)

Specifications from the profile manufacturers/system owners (PVC, light metal) or DIN 68 121 "Wooden profiles for windows and portal doors"






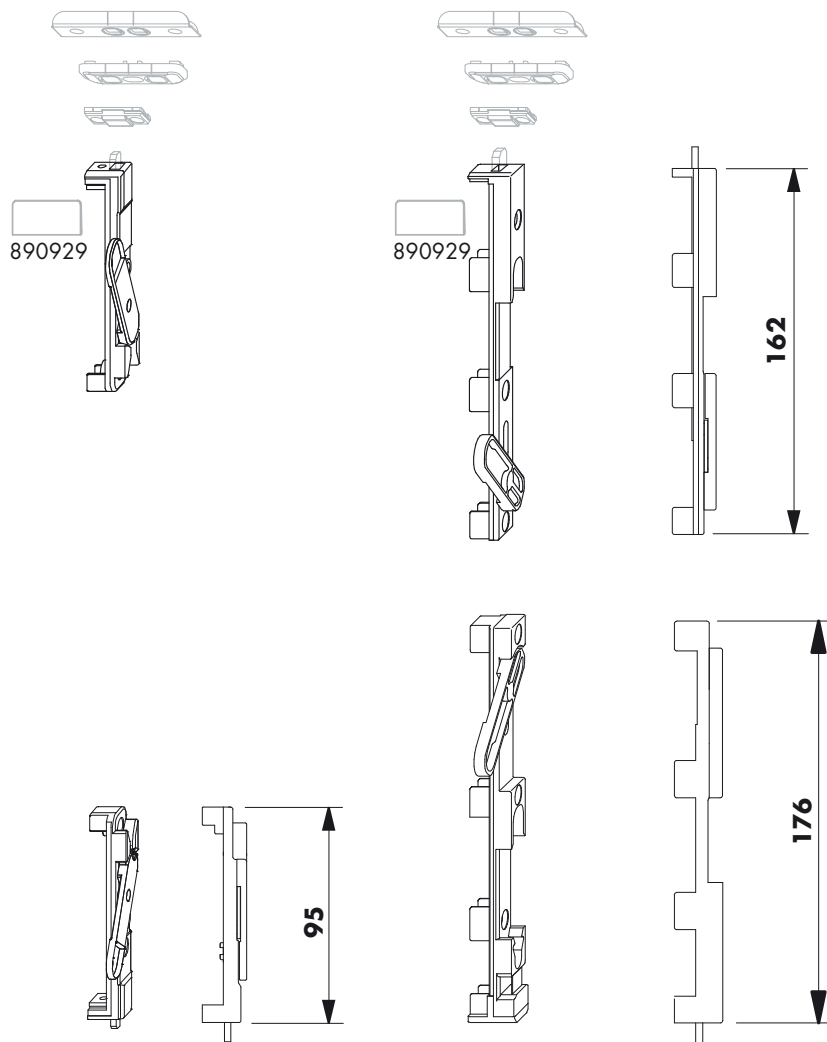
shoot bolt A2000

TITAN

Technical information

Part number	Description	
701195	shoot bolt VSO A2000	3
701126	shoot bolt VSU A2000	3

- Use in slave sashes with opposing fitting groove
- Automatic locking of the protruded shootbolt by means of closing over the main sash
- Refer to the PDB for matching strikers
- 890929 Cover angle
- For basic security




Sales information

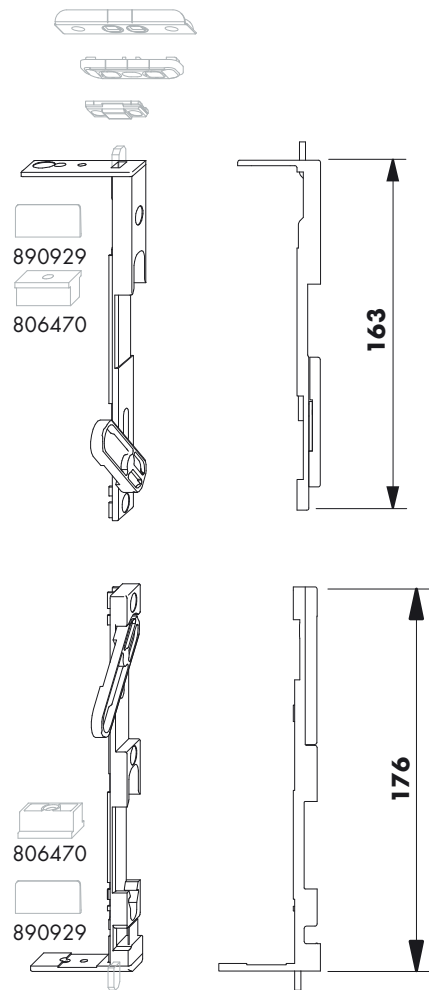
Description	Part number	Surface	Colour	Box quantity
shoot bolt VSO A2000	701195	Titan Silver	without	1 pc
	276501	Titan Silver	without	25 pcs
shoot bolt VSU A2000	701126	Titan Silver	without	1 pc
	276433	Titan Silver	without	25 pcs



Technical information

Part number	Description	
701157	shoot bolt VSO A0800	3
701102	shoot bolt VSU A0800	3

- Can be used in the secondary sash with groove ../8x4
- Automatic locking of the protruded shootbolt by means of closing over the main sash
- Refer to the PDB for matching strikers
- 890929 Cover angle
- 806470 Distance piece - with horizontal fitting groove
- For basic security




Sales information

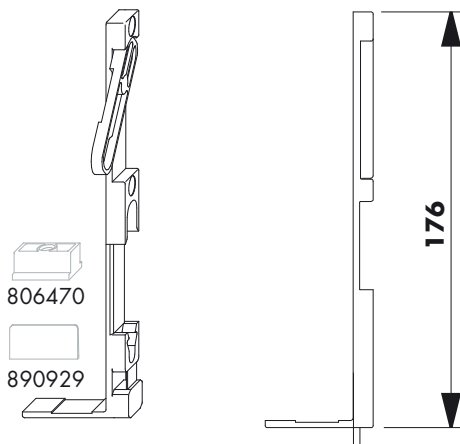
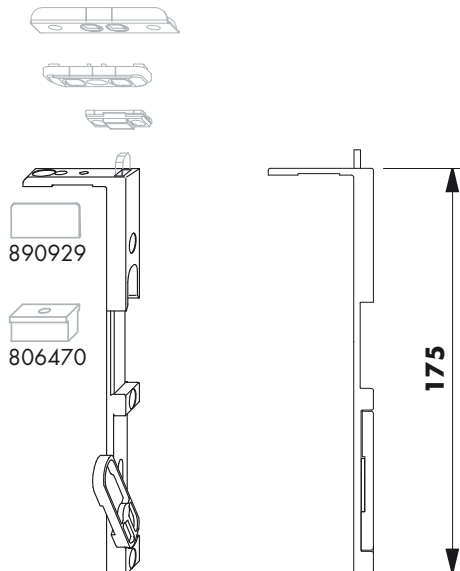
Description	Part number	Surface	Colour	Box quantity
shoot bolt VSO A0800	701157	Titan Silver	without	1 pc
	276464	Titan Silver	without	25 pcs
shoot bolt VSU A0800	701102	Titan Silver	without	1 pc
	276419	Titan Silver	without	25 pcs



Technical information

Part number	Description	
701188	shoot bolt VSO A1360	4
701119	shoot bolt VSU A1360	4

- Can be used in the secondary sash with eurofold
- Automatic locking of the protruded shootbolt by means of closing over the main sash
- Refer to the PDB for matching strikers
- 890929 Cover angle
- 806470 Distance piece - with horizontal fitting groove
- For basic security



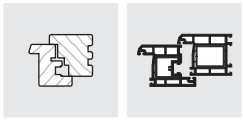


shoot bolt A1360

TITAN

Sales information

Description	Part number	Surface	Colour	Box quantity
shoot bolt VSO A1360	701188	Titan Silver	without	1 pc
	276495	Titan Silver	without	25 pcs
shoot bolt VSU A1360	701119	Titan Silver	without	1 pc
	276426	Titan Silver	without	25 pcs

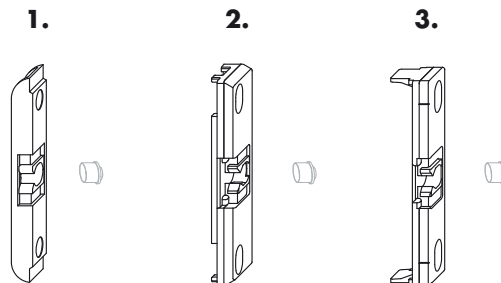


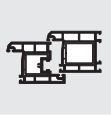
snapper

TITAN

Technical information

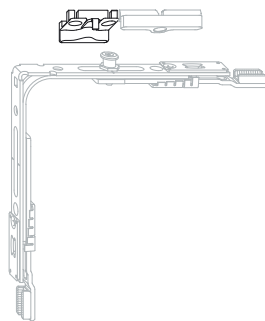
- Snapper profile-related, refer to PDB line item FRZB and FRZB01
- 1. Version for 4 mm airgap
- 2. Version for 12 mm airgap
- 3. Version for use on secondary sashes
- The depicted version are examples and may vary depending on the profile system.
- Sleeve profile-related, refer to PDB line item FFHU





Technical information

- Frame part SP-S profile-related, refer to PDB line item FRZL01
- The depicted version are examples and may vary depending on the profile system.



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