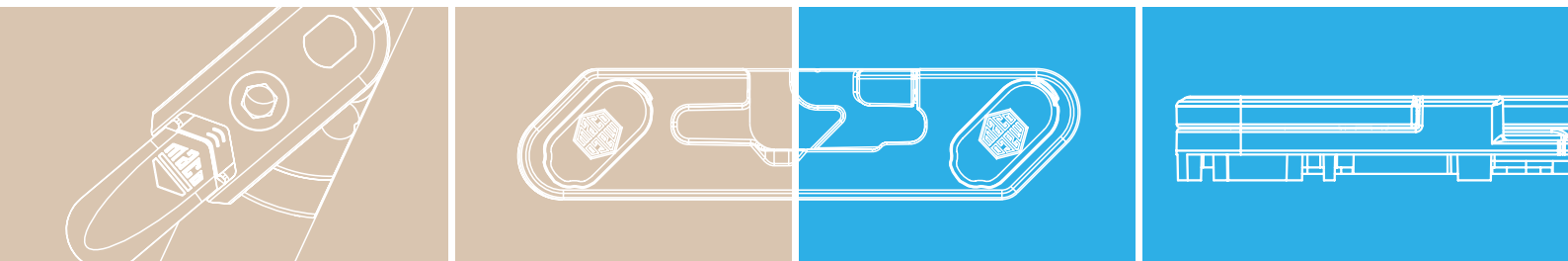


TECHNOLOGY IN MOTION



ONLY
FOR USE BY CERTIFIED SPECIALISTS!
NOT FOR END USERS!

MACO
MULTI-MATIC
TILT AND TURN HARDWARE



MULTI SECUAIR - secured ventilation position

INSTALLATION INSTRUCTIONS



Key



Sash rebate height



Sash rebate width



Sash rebate width and height



Maximum sash weight

Abbreviations

SRW = sash rebate width

SRH = sash rebate height

FL = air gap

Ü = rebate leg

V = offset

FT = rebate depth

GL = secured ventilation position

SV = faceplate extension

MV = centre lock

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

All illustrations are purely symbolic.

Further technical documents can be found in our online catalogue (TOM) at extranet.maco.eu

This print document is continuously revised and the current version can be downloaded from www.maco.eu.

If you have any ideas or suggestions for improving our instructions, please send them by e-mail to: feedback@maco.eu



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Additional assembly instructions for central locking system (Order No. 757212) are binding and must be observed.



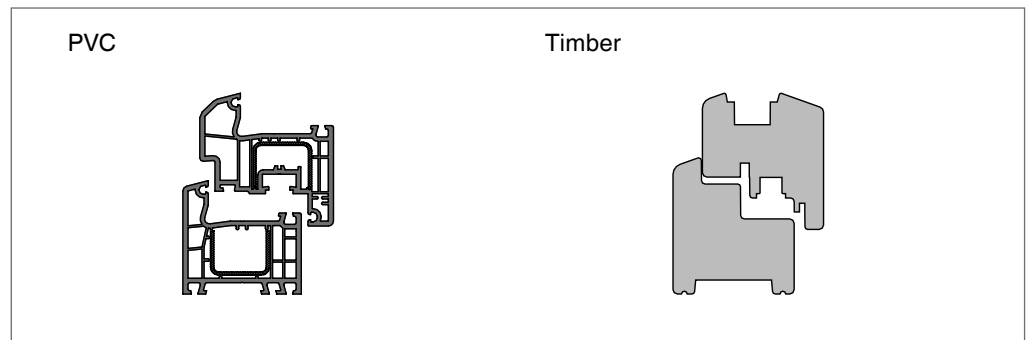
General processing information

Intended purpose

These assembly instructions are binding for the “Secured ventilation position RC 2” version. The use and installation of the secured ventilation position striker plate is only permissible in the manner described and the burglar-resistant effect is only maintained when all the points in these assembly instructions are precisely adhered to. This secured ventilation position striker plate is not intended for any other use and therefore any other such use does not correspond to the intended purpose. The following points must also be observed:

- The application ranges, sash weights and processing guidelines of the system supplier are binding and must be observed.
- The centre of gravity and the position of the glass pane can affect the application range and max. weights and must be requested where required.

1 Application materials



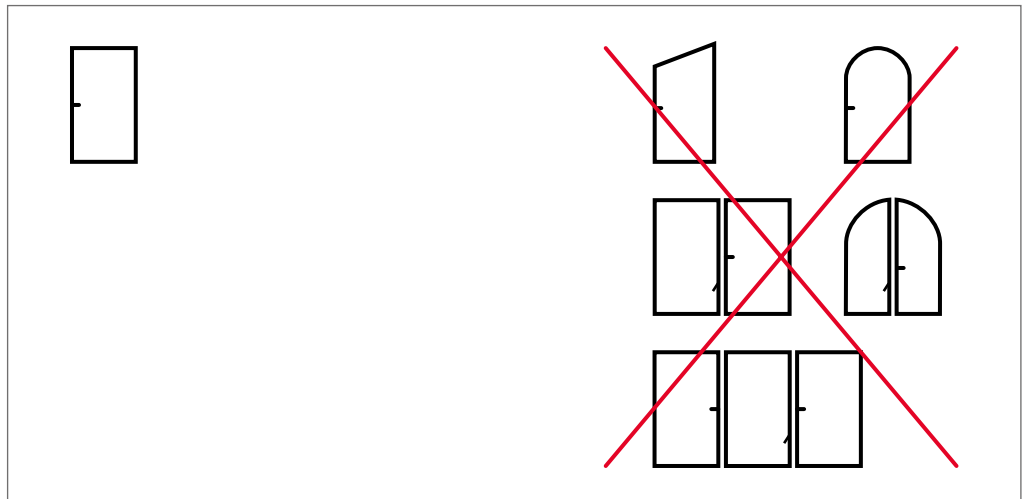
- Aluplast 4000 - 8000
- Alphacan 70/80
- Gealan S3000 - S9000
- Rehau Geneo and Synego
- Profine 76
- Salamander Streamline 76
- Veka Softline 82 AD+MD

- Timber FT30 13L 13V

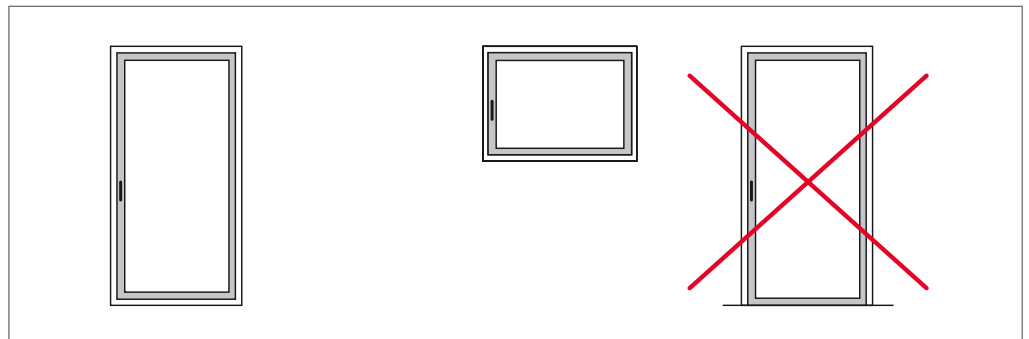
(other Profiles on request)



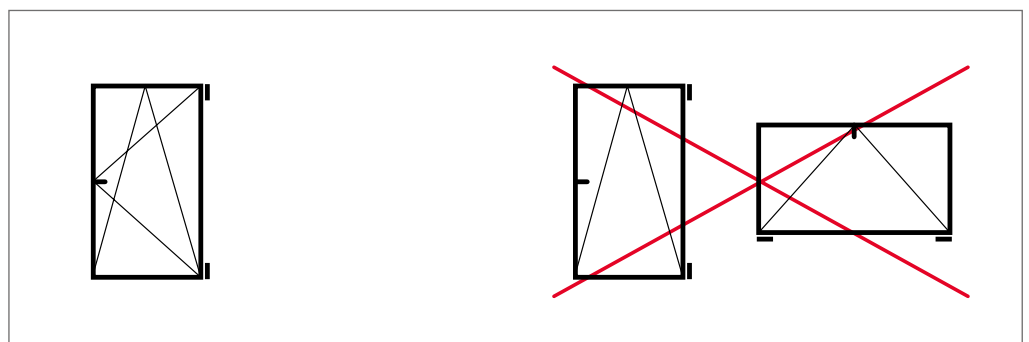
2 Application types and sash versions



3 Window manufacture types

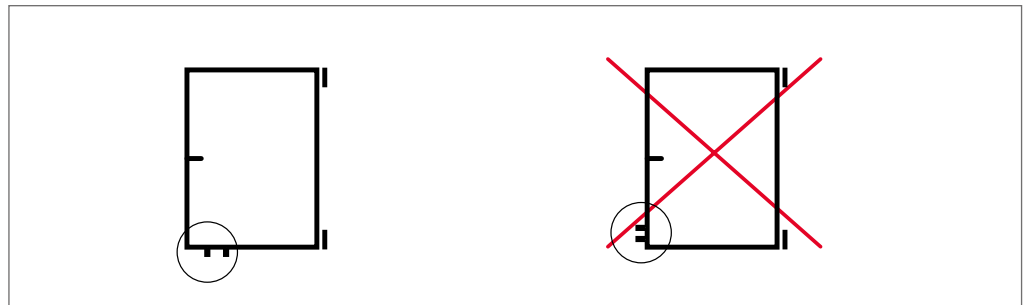


4 Opening modes

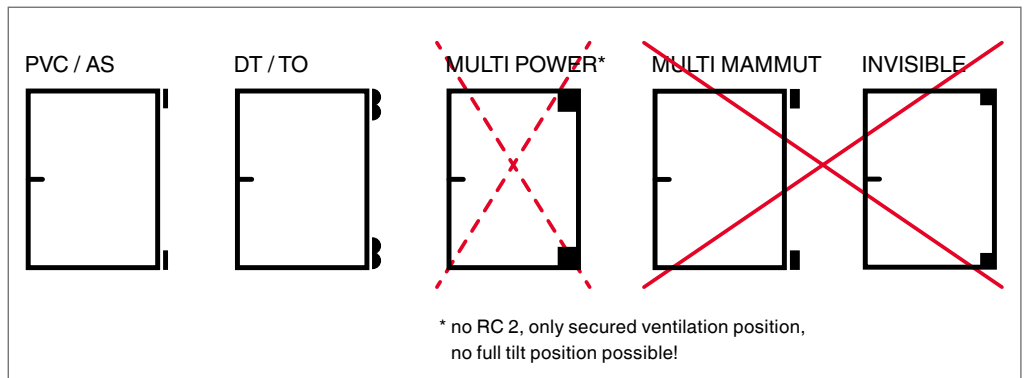




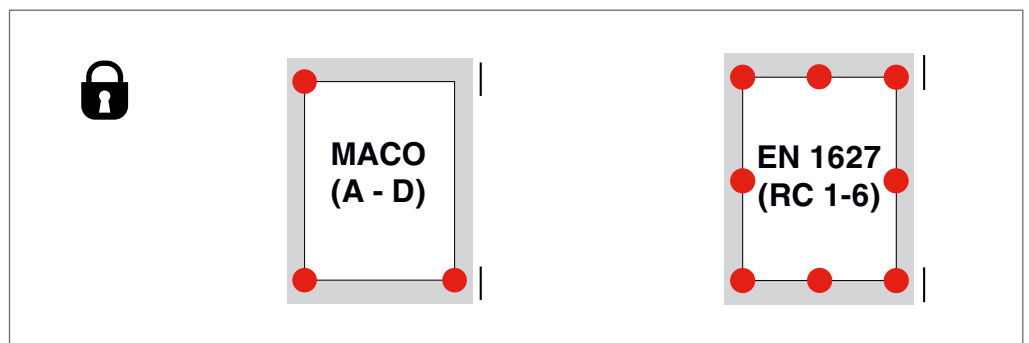
5 Hardware range



6 Hinge-side



7 Hardware versions (security)



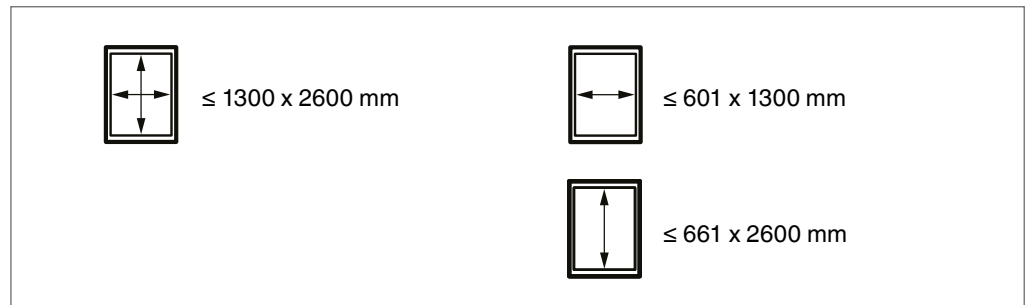
- Timber FT30 13L 13V
- Aluplast 4000 - 8000
- Alphacan 70/80
- Gealan S3000 - S9000
- Rehau Geneo and Synego
- Profine 76
- Salamander Streamline 76
- Veka Softline 82 AD+MD

(other Profiles on request)

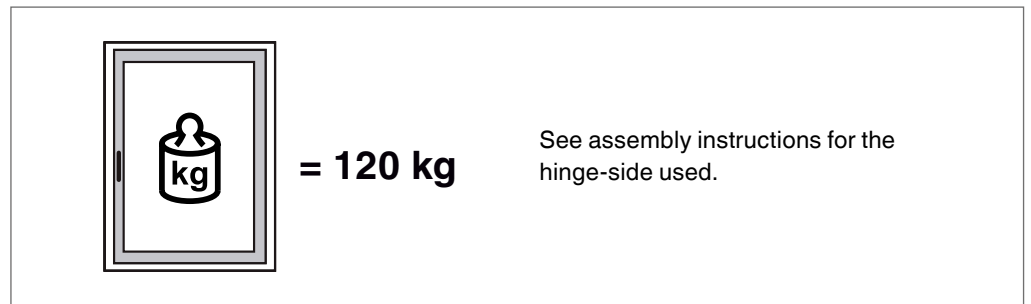
- Veka Softline 82 AD+MD
- (other Profiles on request)
- Not with MULTI POWER!



8 Application ranges

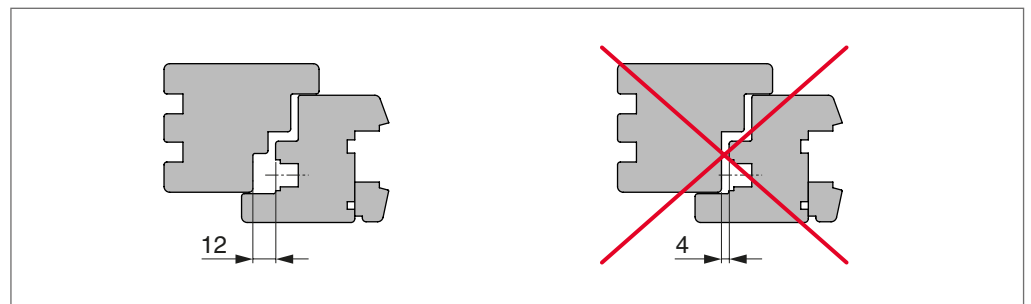


9 Maximum sash weight

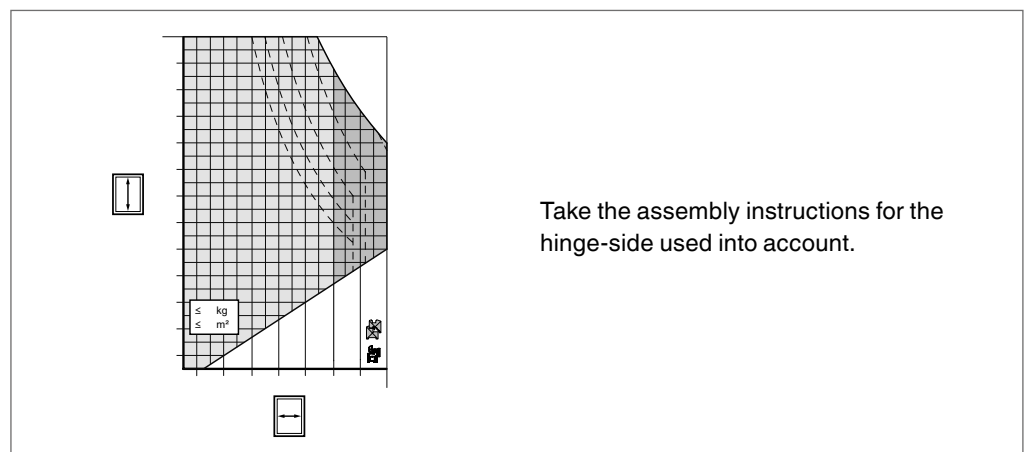


10 Air gap systems

ATTENTION!
Rebate gap must be minimum 12 mm!

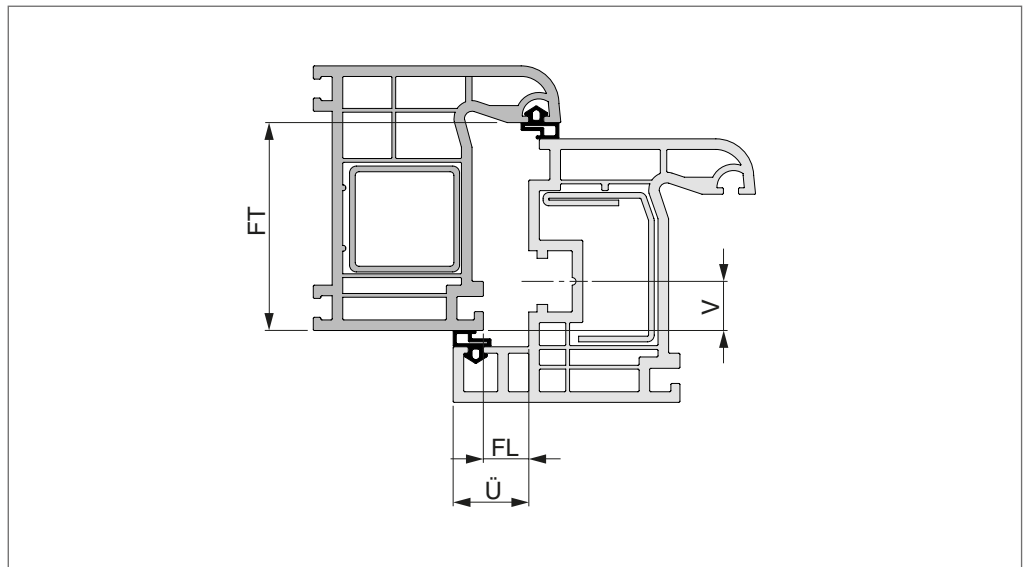


11 Application diagram





12 Recommendations for PVC profiles

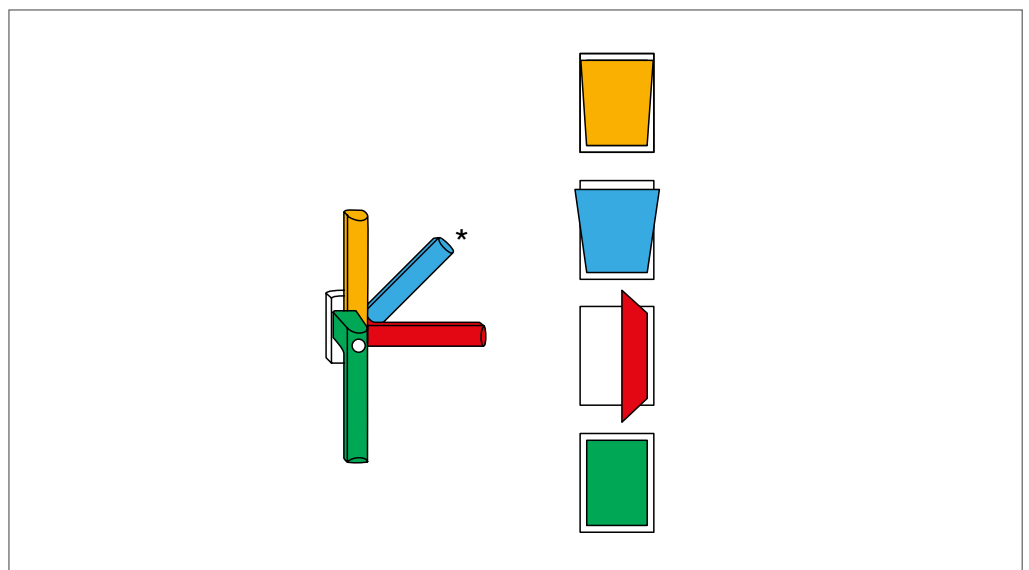


The profile must conform to these specifications.

FL = ≥ 12 mm V = 13 mm
 Ü = 18 / 20 / 22 mm FT = ≥ 30 mm

If necessary, remove any excess material from the fitting groove after welding!

13 Window handle



The window handle must conform to the specification according to EN 1627, and it must have a 135° latching position (e.g. MACO Item no. 228306).

*Does not apply to MULTI POWER!



Product list

Veka Softline 82 AD+MD

Art. Nr. 105397 Striker plate i.S. for PVC 13mm offset secured ventilation position right silver

Art. Nr. 105398 striker plate i.S. for PVC 13mm offset secured ventilation position left silver

Aluplast 4000 - 8000

Art. Nr. 105444 SV striker plate i.S. for PVC 13mm offset secured ventilation position right silver

Art. Nr. 105445 SV striker plate i.S. for PVC 13mm offset secured ventilation position left silver

Timber FT30 12L 13V

Art. Nr. 105446 SV striker plate i.S. timber 30mm rebate depth 12mm air gap 13mm offset secured ventilation position right silver

Art. Nr. 105447 SV striker plate i.S. timber 30mm rebate depth 12mm air gap 13mm offset secured ventilation position left silver

Alphacan 70/80

Art. Nr. 105448 SV striker plate i.S. for PVC 13mm offset secured ventilation position right silver

Art. Nr. 105449 SV striker plate i.S. for PVC 13mm offset secured ventilation position left silver

Gealan S3000 - S9000

Art. Nr. 105450 SV striker plate i.S. for PVC 13mm offset secured ventilation position right silver

Art. Nr. 105451 SV striker plate i.S. for PVC 13mm offset secured ventilation position left silver

Rehau Geneo and Synego

Art. Nr. 105452 SV striker plate i.S. for PVC 13mm offset secured ventilation position right silver

Art. Nr. 105453 SV striker plate i.S. for PVC 13mm offset secured ventilation position left silver

Profine 76

Art. Nr. 105454 SV striker plate i.S. for PVC 13mm offset secured ventilation position right silver

Art. Nr. 105455 SV striker plate i.S. for PVC 13mm offset secured ventilation position left silver

Salamander Streamline 76

Art. Nr. 105456 SV striker plate i.S. for PVC 13mm offset secured ventilation position right silver

Art. Nr. 105457 SV striker plate i.S. for PVC 13mm offset secured ventilation position left silver



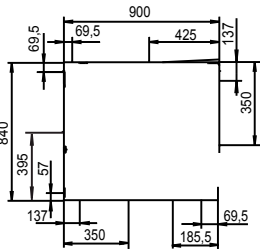
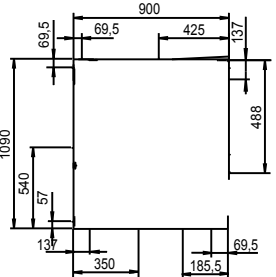
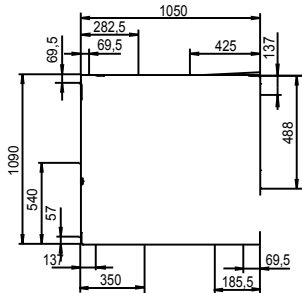
System matrix MM T&T 1-sashed Windows

		S.R.W.	601 - 700	701 - 800
<p>S.R.H.</p> <p>Do not use night-vent scissor-stay!</p>			<p>Scissor stay 800 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker</p>	<p>Scissor stay 800 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension 140 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker</p>
		<p>661 - 840</p> <p>T&T espagnolette EH 840 fixed i.S. 201736 i.S. vertical corner element 222215 Faceplate extension 235 i.S. i.S. striker</p>		
<p>841 - 1090</p> <p>T&T espagnolette EH 1090 fixed i.S. 201737 i.S. vertical corner element 222215 Faceplate extension 140 + 235 i.S. i.S. striker</p>				

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).

System matrix MM T&T 1-sashed Windows

		S.R.W.	801 - 900	901 - 1050
S.R.H.	Do not use night-vent scissor-stay!		Scissor stay 800, faceplate extension 140 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension 235 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker	Scissor stay 800, faceplate extension 235 i.S. corner element i.S. 222202 i.S. horizontal corner element 216784 Faceplate extension 235 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker
		661 - 840	T&T espagnolette EH 840 fixed i.S. 201736 i.S. vertical corner element 222215 Faceplate extension 235 i.S. i.S. striker	
841 - 1090		T&T espagnolette EH 1090 fixed i.S. 201737 i.S. vertical corner element 222215 Faceplate extension 140 + 235 i.S. i.S. striker		

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).



System matrix MM T&T 1-sashed Windows

		S.R.W.	
		1051 - 1150	1151 - 1300
S.R.H.	Do not use night-vent scissor-stay!	Scissor stay 800, faceplate extension 140 + 235 i.S. corner element 222202 i.S. horizontal corner element 216784 Centre lock 1280 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker	1151 - 1250 scissor stay 800, centre lock 1280 1251 - 1300 scissor stay 800, faceplate extension 140 Centre lock 1280 i.S. corner element 222202 i.S. horizontal corner element 216784 Centre lock 1280 i.S. 1251 - 1300 faceplate extension 140, Centre lock 1280 Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker
	661 - 840	T&T espagnolette EH 840 fixed i.S. 201736 i.S. vertical corner element 222215 Faceplate extension 235 i.S. i.S. striker	
841 - 1090	T&T espagnolette EH 1090 fixed i.S. 201737 i.S. vertical corner element 222215 Faceplate extension 140 + 235 i.S. i.S. striker		

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).

System matrix MM T&T 1-sashed Windows

		S.R.W.	601 - 700	701 - 800
		<p>S.R.H.</p> <p>Do not use night-vent scissor-stay!</p>	<p>Scissor stay 800 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker</p>	<p>Scissor stay 800 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension 140 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker</p>
<p>1091 - 1340 1091 - 1200 centre lock 1280 i.S.</p>	<p>T&T espagnolette EH 1340 fixed i.S. 201738 i.S. vertical corner element 222215 Centre lock 1500 i.S. i.S. striker</p>			
<p>1341 - 1590 1341 - 1450 faceplate extension 140, centre lock 1500 i.S.</p>	<p>T&T espagnolette EH 1590 fixed i.S. 206847 i.S. vertical corner element 222215 Centre lock 2 x 1280 i.S. i.S. striker</p>			

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).

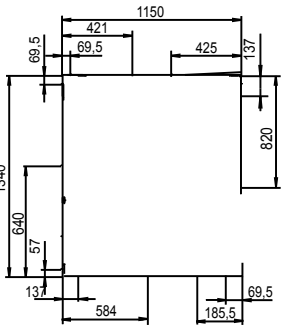
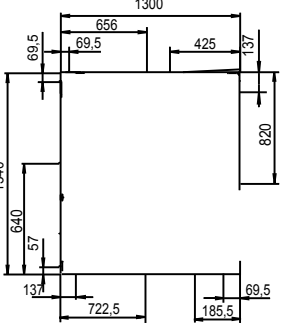
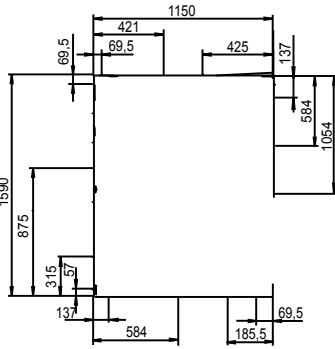
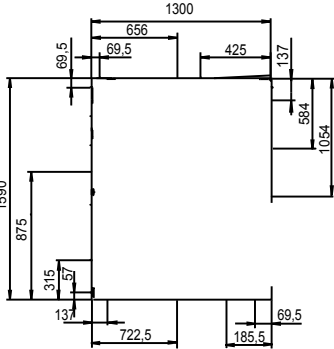
System matrix MM T&T 1-sashed Windows

		S.R.W.	801 - 900	901 - 1050
		<p>S.R.H.</p> <p>Do not use night-vent scissor-stay!</p>	<p>Scissor stay 800, faceplate extension 140 i.S. corner element 222202</p> <p>i.S. horizontal corner element 216784 Faceplate extension 235 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201*</p> <p>i.S. striker</p>	<p>Scissor stay 800, faceplate extension 235 i.S. corner element 222202</p> <p>Eckumlenkung waagrecht i.S. 216784 Faceplate extension 235 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201*</p> <p>i.S. striker</p>
<p>1091 - 1340 1091 - 1200 centre lock 1280 i.S.</p>	<p>T&T espagnolette EH 1340 fixed i.S. 201738</p> <p>i.S. vertical corner element 222215 Centre lock 1500 i.S.</p> <p>i.S. striker</p>			
<p>1341 - 1590 1341 - 1450 faceplate extension 140, centre lock 1500 i.S.</p>	<p>T&T espagnolette EH 1590 fixed i.S. 206847</p> <p>i.S. vertical corner element 222215 Centre lock 2 x 1280 i.S.</p> <p>i.S. striker</p>			

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).

System matrix MM T&T 1-sashed Windows

		S.R.W.	1051 - 1150	1151 - 1300
		<p>S.R.H.</p> <p>Do not use night-vent scissor-stay!</p>	<p>Scissor stay 800, faceplate extension 140 + 235 i.S. corner element 222202</p> <p>i.S. horizontal corner element 216784 Centre lock 1280 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element i.S. 222201*</p> <p>i.S. striker</p>	<p>1151 - 1250 scissor stay 800, centre lock 1280 1251 - 1300 scissor stay 800, faceplate extension 140, Centre lock 1280 i.S. corner element 222202</p> <p>i.S. horizontal corner element 216784 Centre lock 1280 i.S.</p> <p>1251 - 1300 faceplate extension 140, Centre lock 1280</p> <p>Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201*</p> <p>i.S. striker</p>
<p>1091 - 1340 1091 - 1200 centre lock 1280 i.S.</p>	<p>T&T espagnolette EH 1340 fixed i.S. 201738</p> <p>i.S. vertical corner element 222215 Centre lock 1500 i.S.</p> <p>i.S. striker</p>			
<p>1341 - 1590 1341 - 1450 faceplate extension 140, centre lock 1500 i.S.</p>	<p>T&T espagnolette EH 1590 fixed i.S. 206847</p> <p>i.S. vertical corner element 222215 Centre lock 2 x 1280 i.S.</p> <p>i.S. striker</p>			

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).



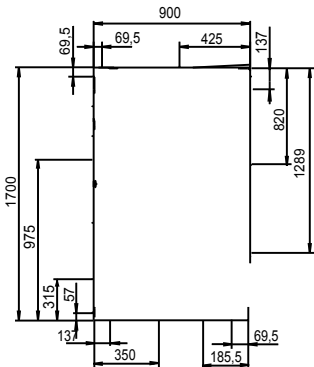
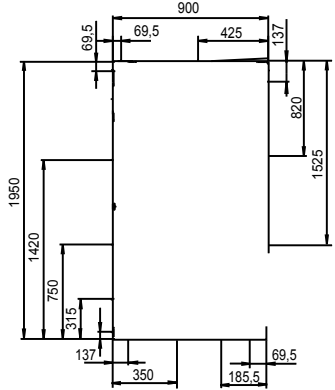
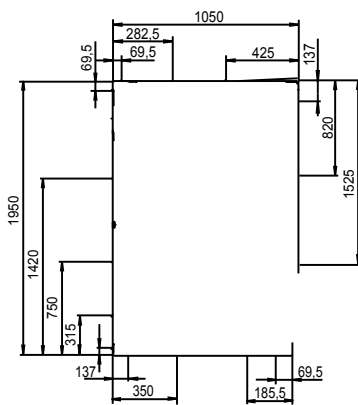
System matrix MM T&T 1-sashed Windows

		S.R.W.	601 - 700	701 - 800
		<p>S.R.H.</p> <p>Do not use night-vent scissor-stay!</p>	<p>Scissor stay 800 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker</p>	<p>Scissor stay 800 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension 140 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker</p>
<p>1591 - 1700 1591 - 1650 centre lock 1500 i.S., faceplate extension 140 + 235 i.S.</p>	<p>T&T espagnolette EH 1700 fixed i.S. 207303 i.S. vertical corner element 222215 Centre lock 1500 i.S. Centre lock 1280 i.S. i.S. striker</p>			
<p>1701 - 1950 1701 - 1750 centre lock 1500+1280 i.S., 1751 - 1850 centre lock 1500 i.S., Faceplate extension 140, centre lock 1280 i.S.</p>	<p>T&T espagnolette 1950 fixed i.S. 201740 Bottom end piece 205644 i.S. vertical corner element 222215 Centre lock 2200 i.S. i.S. striker</p>			

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).

System matrix MM T&T 1-sashed Windows

		S.R.W.	801 - 900	901 - 1050
S.R.H.		Do not use night-vent scissor-stay!	Scissor stay 800, faceplate extension 140 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension 235 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker	Scissor stay 800, faceplate extension 235 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension 235 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker
	1591 - 1700 <small>1591 - 1650 centre lock 1500 i.S., faceplate extension 140 + 235 i.S.</small>		T&T espagnolette EH 1700 fixed i.S. 207303 i.S. vertical corner element 222215 Centre lock 1500 i.S. Centre lock 1280 i.S. i.S. striker	
1701 - 1950 <small>1701 - 1750 centre lock 1500+1280 i.S., 1751 - 1850 centre lock 1500 i.S., Faceplate extension 140, centre lock 1280 i.S.</small>	T&T espagnolette 1950 fixed i.S. 201740 Bottom end piece 205644 i.S. vertical corner element 222215 Centre lock 2200 i.S. i.S. striker			

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).



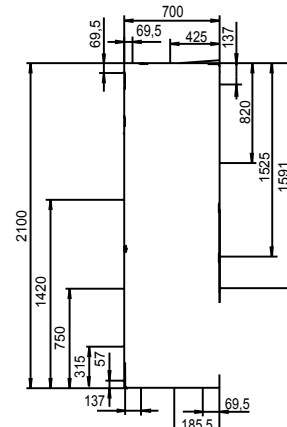
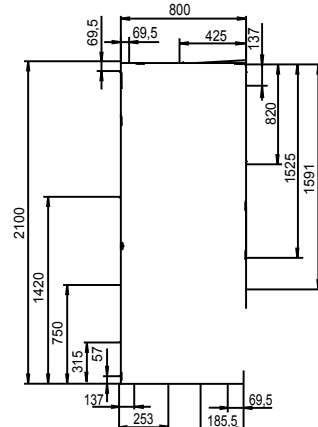
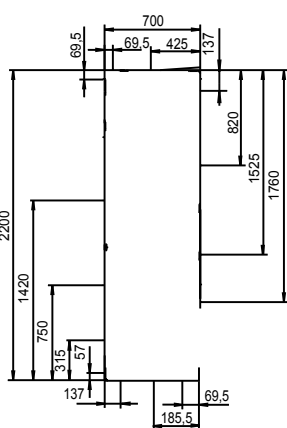
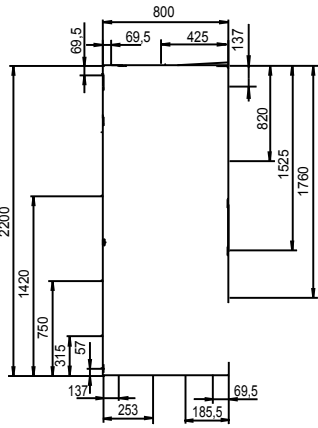
System matrix MM T&T 1-sashed Windows

		S.R.W.	1051 - 1150	1151 - 1300
		<p>S.R.H.</p> <p>Do not use night-vent scissor-stay!</p>	<p>Scissor stay 800, faceplate extension 140 + 235 i.S. corner element 222202</p> <p>i.S. horizontal corner element 216784 Centre lock 1280 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201*</p> <p>i.S. striker</p>	<p>1151 - 1250 scissor stay 800, centre lock 1280 1251 - 1300 scissor stay 800, faceplate extension 140, Centre lock 1280 i.S. corner element 222202</p> <p>i.S. horizontal corner element 216784 Centre lock 1280 i.S.</p> <p>1251 - 1300 faceplate extension 140, Centre lock 1280</p> <p>Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201*</p> <p>i.S. striker</p>
<p>1591 - 1700 1591 - 1650 centre lock 1500 i.S., Faceplate extension 140 + 235 i.S.</p>	<p>T&T espagnolette EH 1700 fixed i.S. 207303</p> <p>i.S. vertical corner element 222215 Centre lock 1500 i.S. Centre lock 1280 i.S.</p> <p>i.S. striker</p>			
<p>1701 - 1950 1701 - 1750 centre lock 1500+1280 i.S., 1751 - 1850 centre lock 1500 i.S., Faceplate extension 140, centre lock 1280 i.S.</p>	<p>T&T espagnolette 1950 fixed i.S. 201740 Bottom end piece 205644</p> <p>i.S. vertical corner element 222215 Centre lock 2200 i.S.</p> <p>i.S. striker</p>			

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).

System matrix MM T&T 1-sashed Windows

		S.R.W.	601 - 700	701 - 800
		<p>S.R.H.</p> <p>Do not use night-vent scissor-stay!</p>	<p>Scissor stay 800 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker</p>	<p>Scissor stay 800 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension 140 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker</p>
<p>1951 - 2100 <small>1951 - 2000 centre lock 2200</small></p>	<p>T&T espagnolette 2200 fixed i.S. 201741 Bottom end piece 205644 i.S. vertical corner element 222215 Centre lock 2200 i.S. Faceplate extension 140 i.S. i.S. striker</p>			
<p>2101 - 2200</p>	<p>T&T espagnolette 2200 fixed i.S. 201741 Bottom end piece 205644 i.S. vertical corner element 222215 Centre lock 2200 i.S. Faceplate extension 235 i.S. i.S. striker</p>			

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).



System matrix MM T&T 1-sashed Windows

		S.R.W.	801 - 900	901 - 1050
S.R.H.		Do not use night-vent scissor-stay!	Scissor stay 800, faceplate extension 140 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension 235 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker	Scissor stay 800, faceplate extension 235 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension 235 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker
	1951 - 2100 <small>1951 - 2000 centre lock 2200</small>	T&T espagnolette 2200 fixed i.S. 201741 Bottom end piece 205644 i.S. vertical corner element 222215 Centre lock 2200 i.S. Faceplate extension 140 i.S. i.S. striker		
2101 - 2200	T&T espagnolette 2200 fixed i.S. 201741 Bottom end piece 205644 i.S. vertical corner element 222215 Centre lock 2200 i.S. Faceplate extension 235 i.S. i.S. striker			

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).

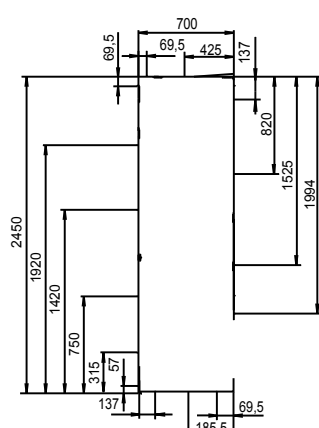
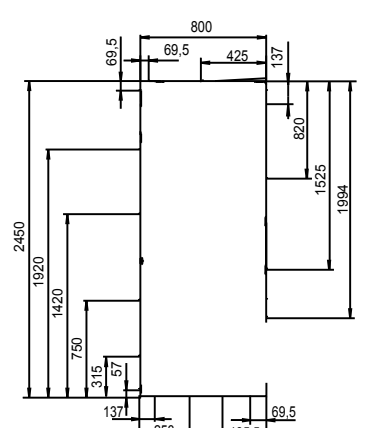
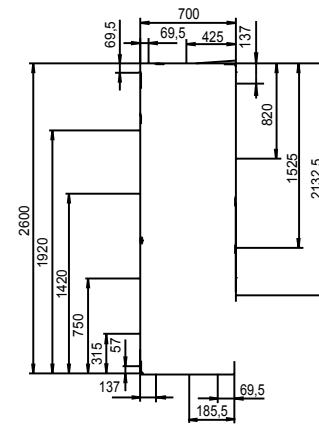
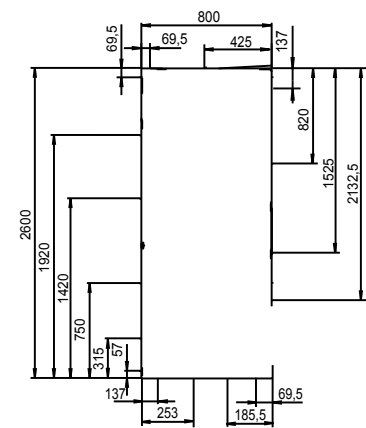
System matrix MM T&T 1-sashed Windows

		S.R.W.	1051 - 1150	1151 - 1300
S.R.H.		Do not use night-vent scissor-stay!	Scissor stay 800, faceplate extension 140 + 235 i.S. corner element 222202 i.S. horizontal corner element 216784 Centre lock 1280 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker	1151 - 1250 scissor stay 800, centre lock 1280 1251 - 1300 scissor stay 800, faceplate extension 140, Centre lock 1280 i.S. corner element 222202 i.S. horizontal corner element 216784 Centre lock 1280 i.S. 1251 - 1300 faceplate extension 140, Centre lock 1280 Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker
			<p>1951 - 2100 1951 - 2000 centre lock 2200</p> T&T espagnolette 2200 fixed i.S. 201741 Bottom end piece 205644 i.S. vertical corner element 222215 Centre lock 2200 i.S. Faceplate extension 140 i.S. i.S. striker	
2101 - 2200	T&T espagnolette 2200 fixed i.S. 201741 Bottom end piece 205644 i.S. vertical corner element 222215 Centre lock 2200 i.S. Faceplate extension 235 i.S. i.S. striker			

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).

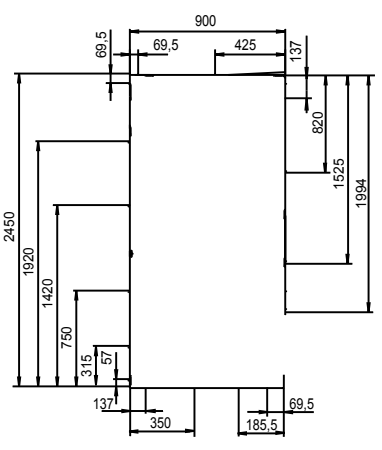
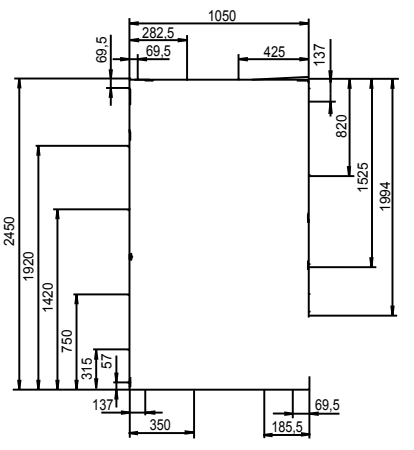
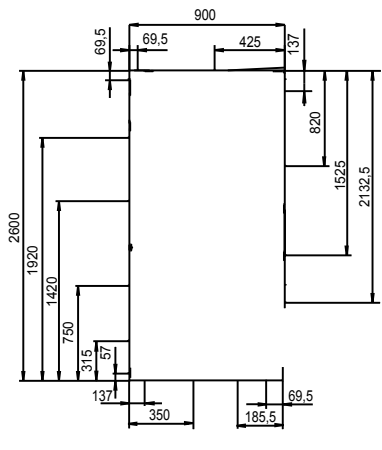
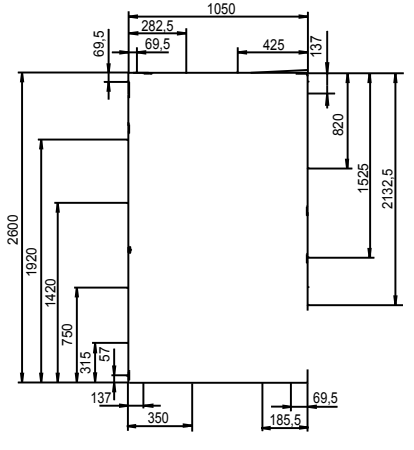
System matrix MM T&T 1-sashed Windows

		S.R.W.	601 - 700	701 - 800
		<p>S.R.H.</p> <p>Do not use night-vent scissor-stay!</p>	<p>Scissor stay 800 i.S. corner element 222202</p> <p>i.S. horizontal corner element 216784 Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201*</p> <p>i.S. striker</p>	<p>Scissor stay 800 i.S. corner element 222202</p> <p>i.S. horizontal corner element 216784 Faceplate extension 140 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201*</p> <p>i.S. striker</p>
<p>2201 - 2450</p> <p>2201 - 2250 centre lock 2200 i.S., faceplate extension 235 i.S. 2251 - 2350 centre lock 2200 i.S., faceplate extension 140 + 235 i.S.</p>	<p>T&T espagnolette 2450 fixed i.S. 201742 Bottom end piece 205644</p> <p>Vertical corner element 222215 i.S. Centre lock 2200 i.S. Centre lock 1280 i.S.</p> <p>i.S. striker</p>			
<p>2101 - 2200</p> <p>2451 - 2500 centre lock 2200 + 1280 i.S.</p>	<p>T&T espagnolette 2200 fixed i.S. 201741 Bottom end piece 205644</p> <p>i.S. vertical corner element 222215 Centre lock 2200 i.S. Faceplate extension 140 i.S. Centre lock 1280 i.S.</p> <p>i.S. striker</p>			

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).

System matrix MM T&T 1-sashed Windows

		S.R.W.	801 - 900	901 - 1050
S.R.H.	Do not use night-vent scissor-stay!		Scissor stay 800, faceplate extension 140 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension 235 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker	Scissor stay 800, faceplate extension 235 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension 235 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker
		<p style="color: red; font-size: small;">2201 - 2450</p> <p style="color: red; font-size: x-small;">2201 - 2250 centre lock 2200 i.S., faceplate extension 235 i.S. 2251 - 2350 centre lock 2200 i.S., faceplate extension 140 + 235 i.S.</p> <p>T&T espagnolette 2450 fixed i.S. 201742 Bottom end piece 205644 i.S. vertical corner element 222215 Centre lock 2200 i.S. Centre lock 1280 i.S. i.S. striker</p>		
<p style="color: red; font-size: small;">2101 - 2200</p> <p style="color: red; font-size: x-small;">2451 - 2500 centre lock 2200 + 1280 i.S.</p> <p>T&T espagnolette 2200 fixed i.S. 201741 Bottom end piece 205644 i.S. vertical corner element 222215 Centre lock 2200 i.S. Faceplate extension 140 i.S. Centre lock 1280 i.S. i.S. striker</p>				

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).



System matrix MM T&T 1-sashed Windows

		S.R.W.	1051-1150	1151 -1300
S.R.H.	Do not use night-vent scissor-stay!		Scissor stay 800, faceplate extension 140 + 235 i.S. corner element 222202 i.S. horizontal corner element 216784 Centre lock 1280 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker	1151 - 1250 scissor stay 800, centre lock 1280 1251 - 1300 scissor stay 800, faceplate extension 140, Centre lock 1280 i.S. corner element 222202 i.S. horizontal corner element 216784 Centre lock 1280 i.S. 1251 - 1300 faceplate extension 140, Centre lock 1280 Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker
		2201 - 2450 <small>2201 - 2250 centre lock 2200 i.S., faceplate extension 235 i.S. 2251 - 2350 centre lock 2200 i.S., faceplate extension 140 + 235 i.S.</small>	T&T espagnolette 2450 fixed i.S. 201742 Bottom end piece 205644 i.S. vertical corner element 222215 Centre lock 2200 i.S. Centre lock 1280 i.S. i.S. striker	
2101 - 2200 <small>2451 - 2500 centre lock 2200 + 1280 i.S.</small>		T&T espagnolette 2200 fixed i.S. 201741 Bottom end piece 205644 i.S. vertical corner element 222215 Centre lock 2200 i.S. Faceplate extension 140 i.S. Centre lock 1280 i.S. i.S. striker		

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!

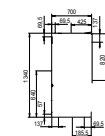
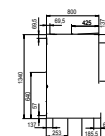
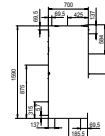

* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).



Installing the hardware components on the sash

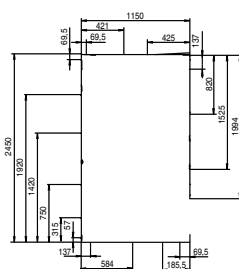
Determining the components of the central locking system

1 Select matrix for required sash size

		S.R.W.	
		601 - 700	701 - 800
S.R.H.	1091 - 1340 1091 - 1340 centre lock 1500 i.S.	<p>Scissor stay 800 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker</p> 	<p>Scissor stay 800 i.S. corner element 222202 i.S. horizontal corner element 216784 Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker</p> 
	1341 - 1690 1341 - 1690 centre lock 1500 i.S.	<p>T&T espagnolette EH 1540 fixed i.S. 201738 i.S. vertical corner element 222215 Centre lock 1500 i.S. i.S. striker</p> 	<p>T&T espagnolette EH 1590 fixed i.S. 206847 i.S. vertical corner element 222215 Centre lock 2x1280 i.S. i.S. striker</p> 

Caution: Burglar resistance MM connecting plates (Item no. 358368) must be used on each faceplate/deadbolt connection!
* In the case of PVC in the hinge area, use i.S. corner element 222201, in the case of timber use corner element with corner support, see catalogue (order number 49778).

2 Select hardware combination for required sash size from matrix

		S.R.W.
		1051-1150
S.R.H.	2201 - 2450 2201 - 2450 centre lock 2200 i.S., faceplate extension 235 i.S. 2251 - 2350 centre lock 2200 i.S., faceplate extension 140 + 235 i.S.	<p>Scissor stay 800, faceplate extension 140 + 235 i.S. corner element 222202 i.S. horizontal corner element 216784 Centre lock 1280 i.S. Faceplate extension B-TV 1950 i.S. 203697 i.S. corner element 222201* i.S. striker</p> 
	T&T espagnolette 2450 fixed i.S. 201742 Bottom end piece 205644 i.S. vertical corner element 222215 Centre lock 2200 i.S. Centre lock 1280 i.S. i.S. striker	



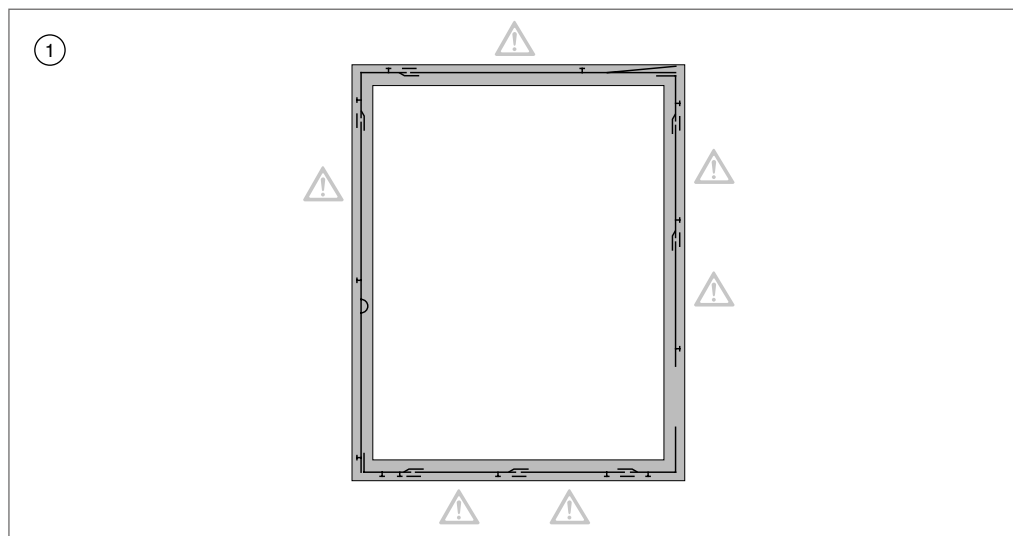
Installing the hardware components on the sash

Installing the central locking system

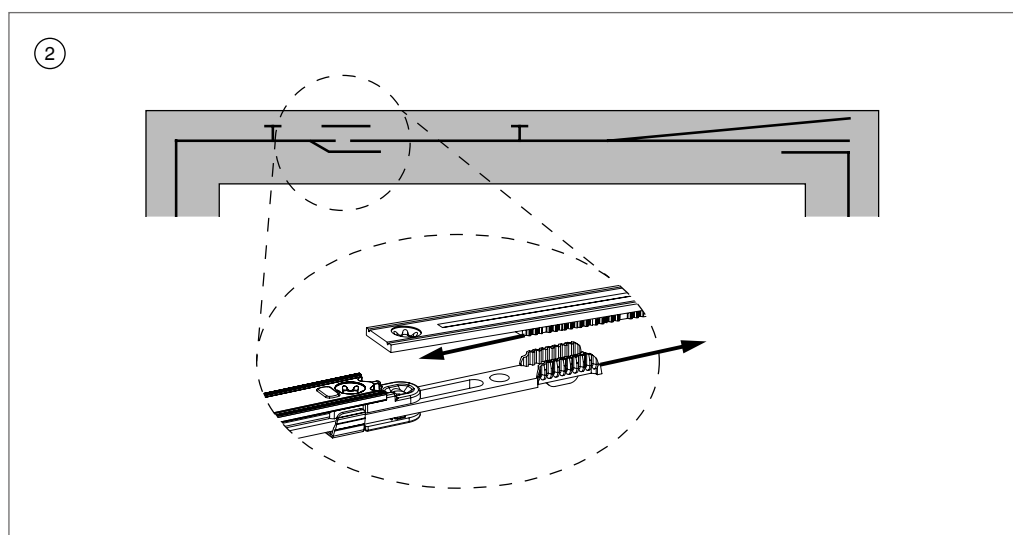


CAUTION!

Install burglar resistance connecting plates (Item no. 358368) on each face-plate/deadbolt connection.



- ① Install components for frame according to central locking system assembly instructions (Order no. 757212).

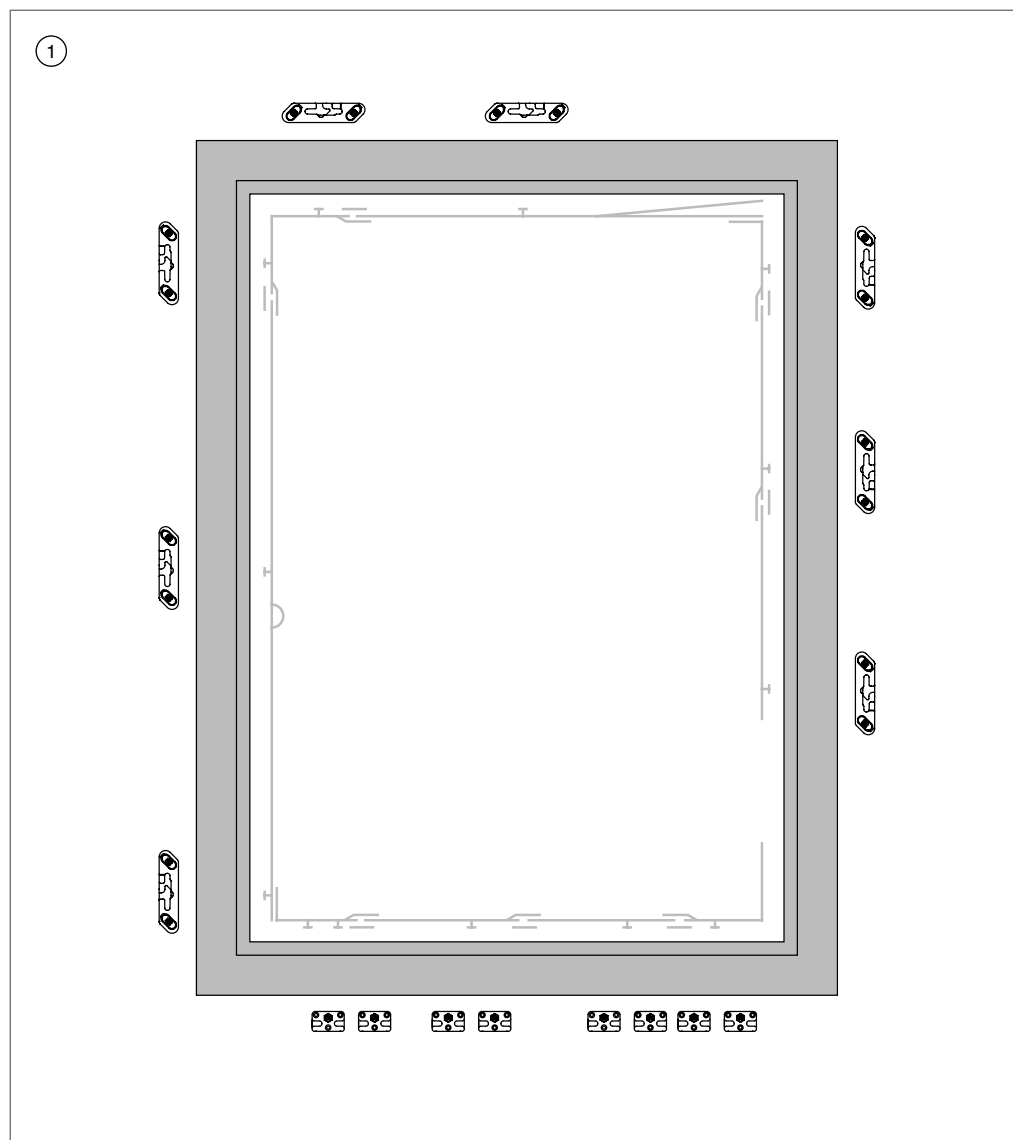


- ② When engaging the deadbolt of the scissor stay in the serrated carrier of the corner element, ensure that this takes place in as tight a state as possible to keep travel losses to a minimum.




Installing the hardware components on the frame


Striker plate positioning



- ① Use secured ventilation position striker plates at the side and top!

Use i.S. striker plates at bottom!

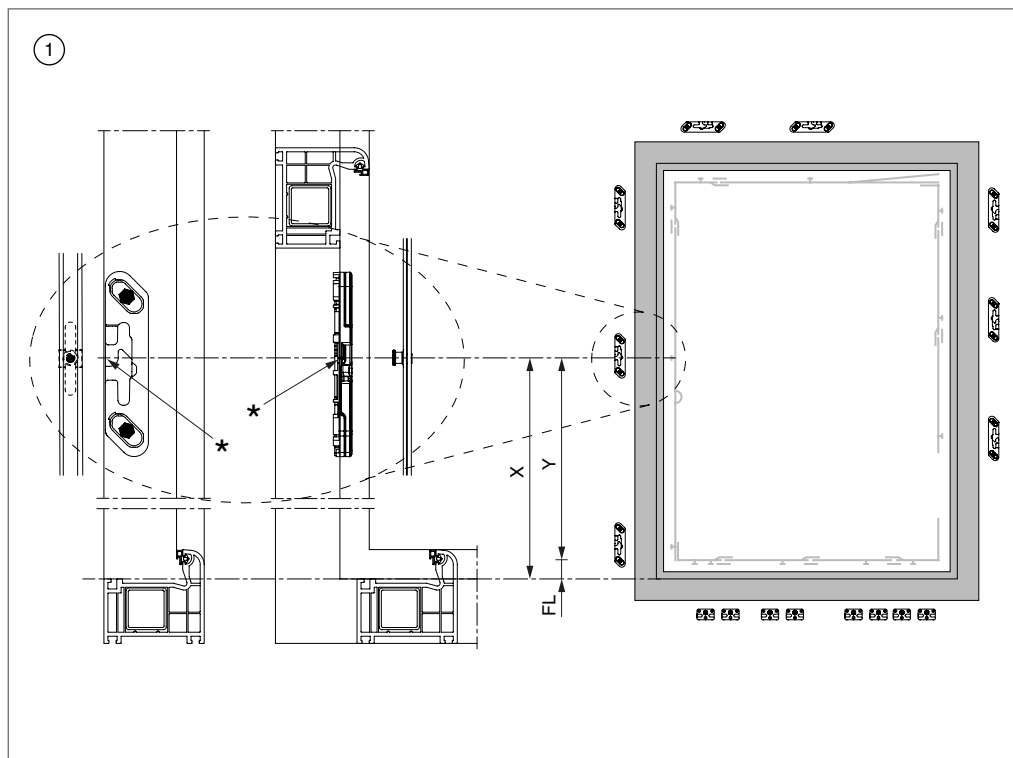
- ②  = right secured ventilation position striker plate - Item no. 105397, 105444, 105446, 105448, 105450, 105452, 105454, 105456

-  = left secured ventilation position striker plate - Item no. 105398, 105445, 105447, 105449, 105451, 105453, 105455, 105457



Installing the hardware components on the frame

Installation dimensions – secured ventilation position striker plate



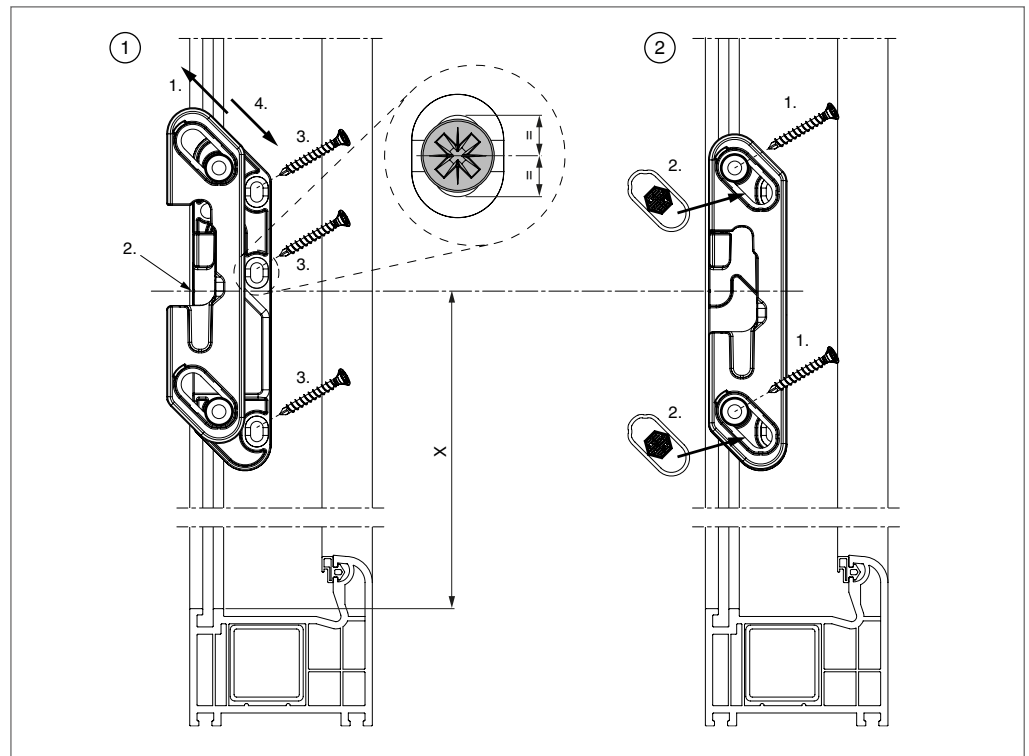
① $X = Y + FL$
(installation dimension = cam dimension from matrix + air gap)

* = striker plate notch

CAUTION: The 12 mm air gap must be adhered to exactly, otherwise the function of the striker plates cannot be guaranteed!

Installing the hardware components on the frame

Installation – secured ventilation position striker plate



- ①
 1. Push upper part into end position (tilt).
 2. Position notch on mark (installation dimension X).
 3. At the rear, evenly pre-drill, set and screw (torque) the centre of the elongated holes.
 4. Push the upper part back into its home position, close the sash and check the cam running-in. If necessary, re-adjust the secured ventilation position striker plate.
- ②
 1. Insert the front screws, pre-drilling is recommended, ensure even screw fixing!
After screw fixing, check whether the screws are tension-free (upper part must slide smoothly and move independently into the home position, at approx. half way).
 2. Lubricate all lubrication points on the secured ventilation striker plate according to the operation and maintenance instructions (Order No. 757071) and operate the hardware several times.
 3. Put the cover caps in the correct position.



IMPORTANT!

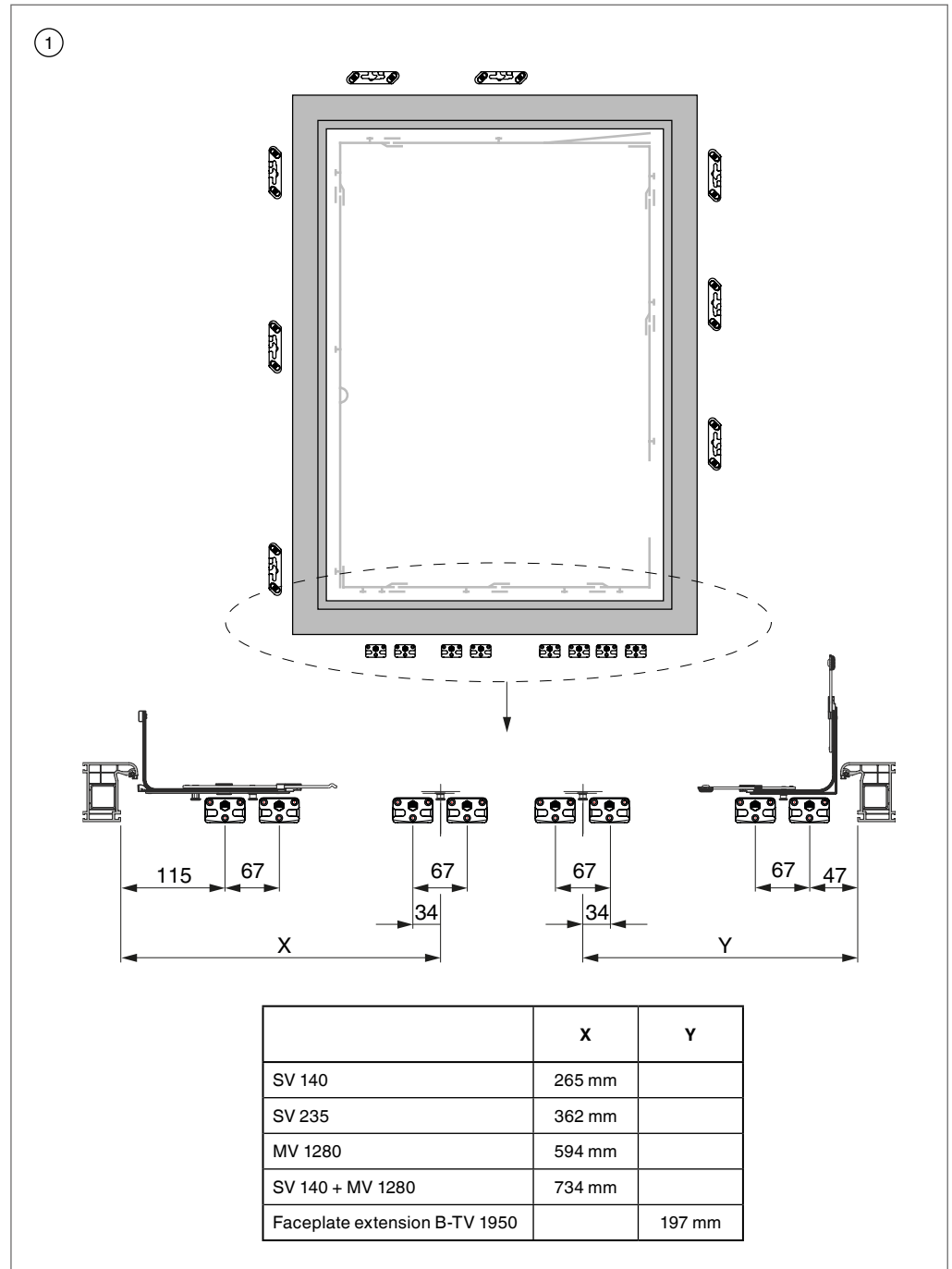
The initial lubrication of the secured ventilation position striker plates must be carried out to guarantee long-lasting functionality.

Drilling jig on request.



Installing the hardware components on the frame

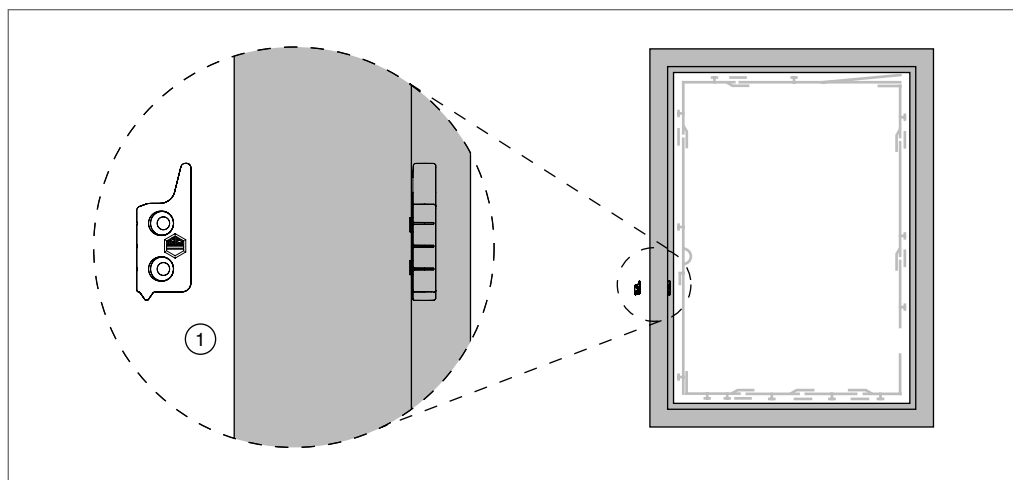
Installation – i.S. striker plates



① Insert the striker plates into the profile, position to the dimension and screw.

Installing the hardware components on the frame

1 Installing the sash lifter



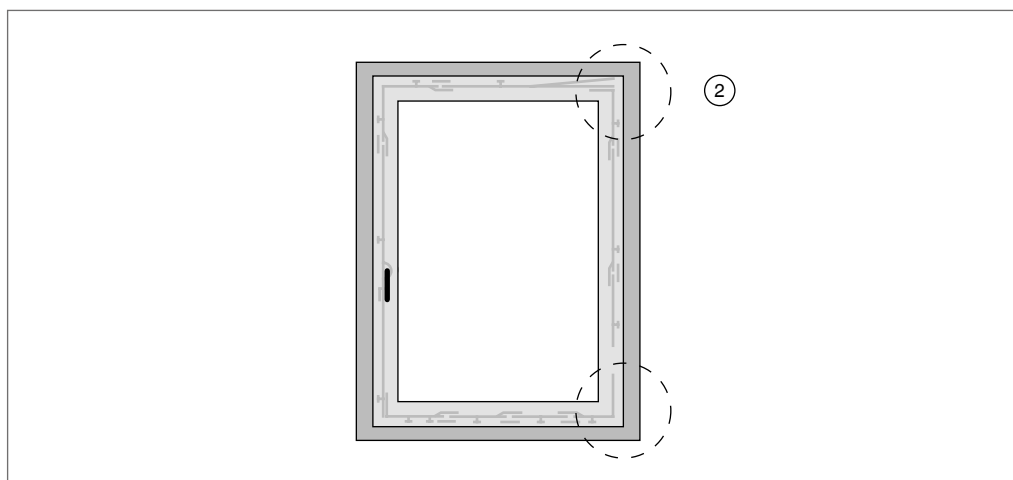
- ① Install the sash lifter according to the central locking system assembly instructions (Order No. 757212).

2 Installing the pivot post and scissor stay hinge



DANGER!

The bearing parts must be screwed in place in accordance with the requirements of the TBDK guideline (Gütegemeinschaft Schlösser und Beschläge [quality assurance association for locks and hardware] - www.schlossindustrie.de).

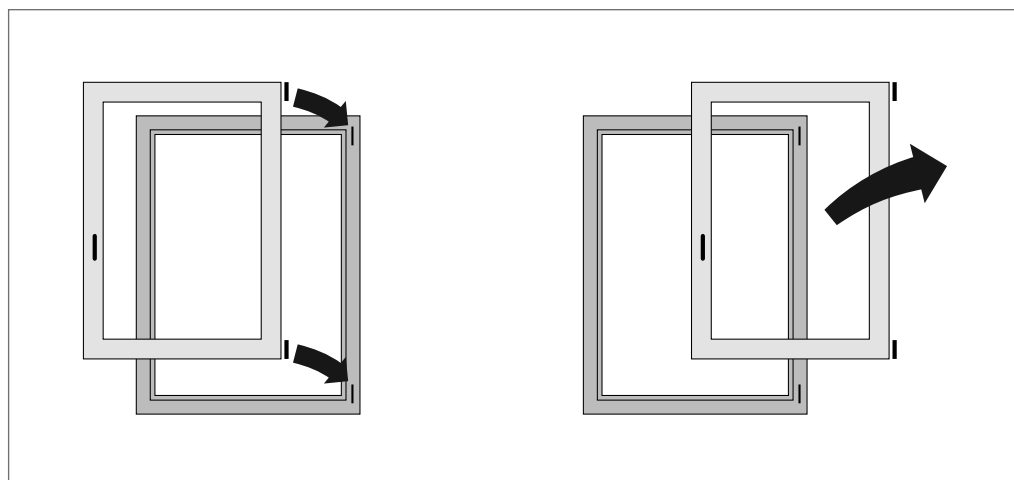


- ② The assembly instructions for the bearing parts can be found in the assembly instructions for the relevant hinge-side.



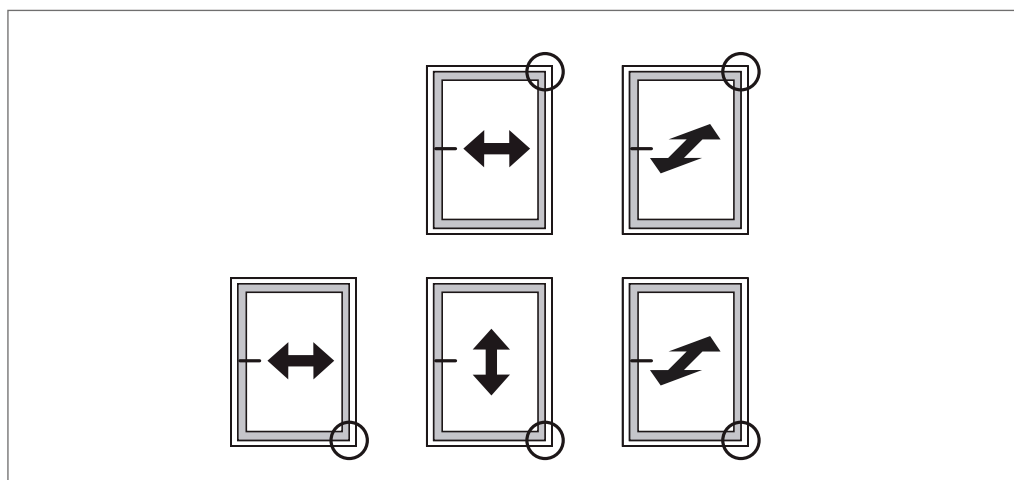
Installing the hardware components on the frame

① Hinging and unhinging the sash



See assembly instructions for the hinge-side used.

② Settings

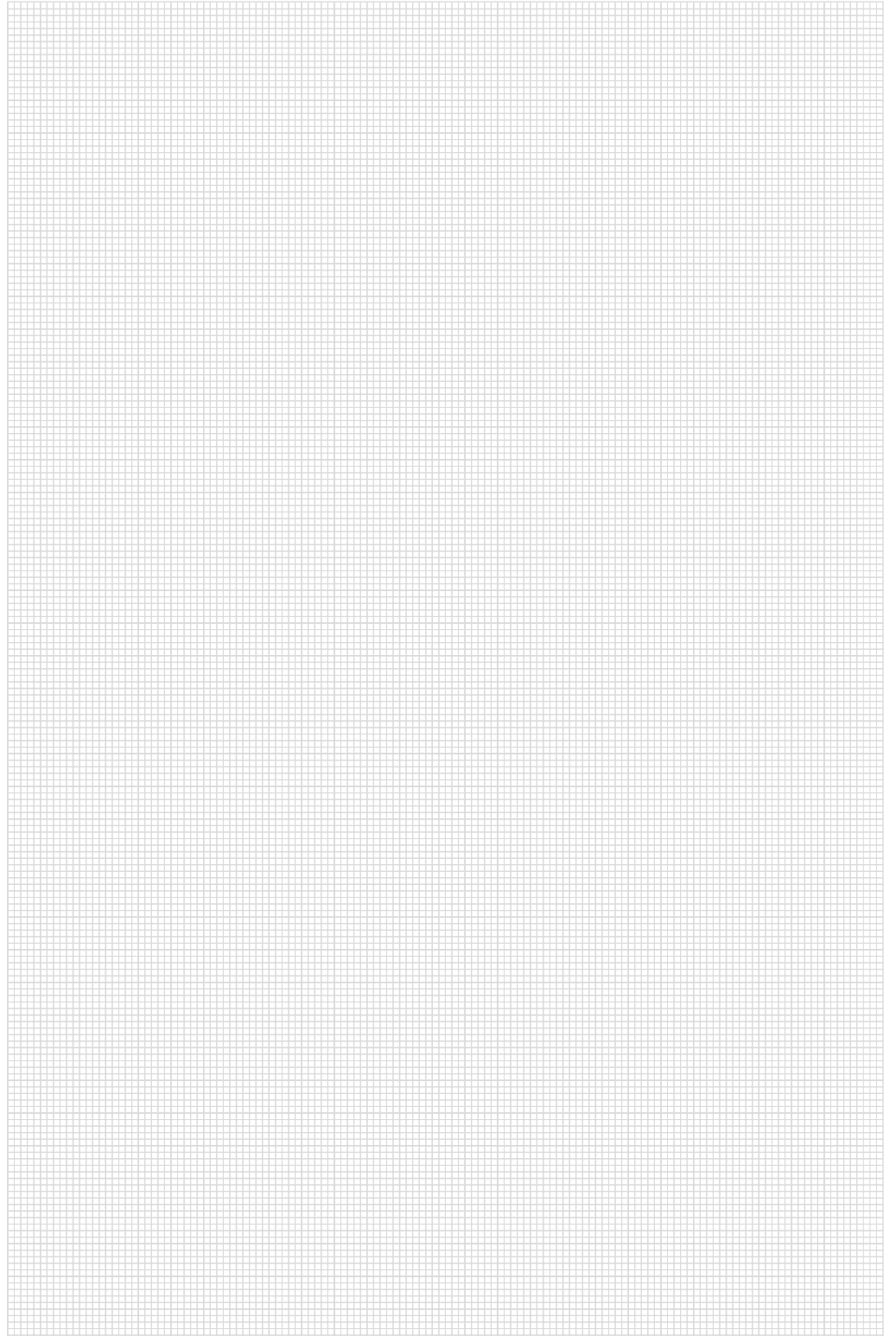


See assembly instructions for the hinge-side used.

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Notes



**MACO
MULTI-MATIC**



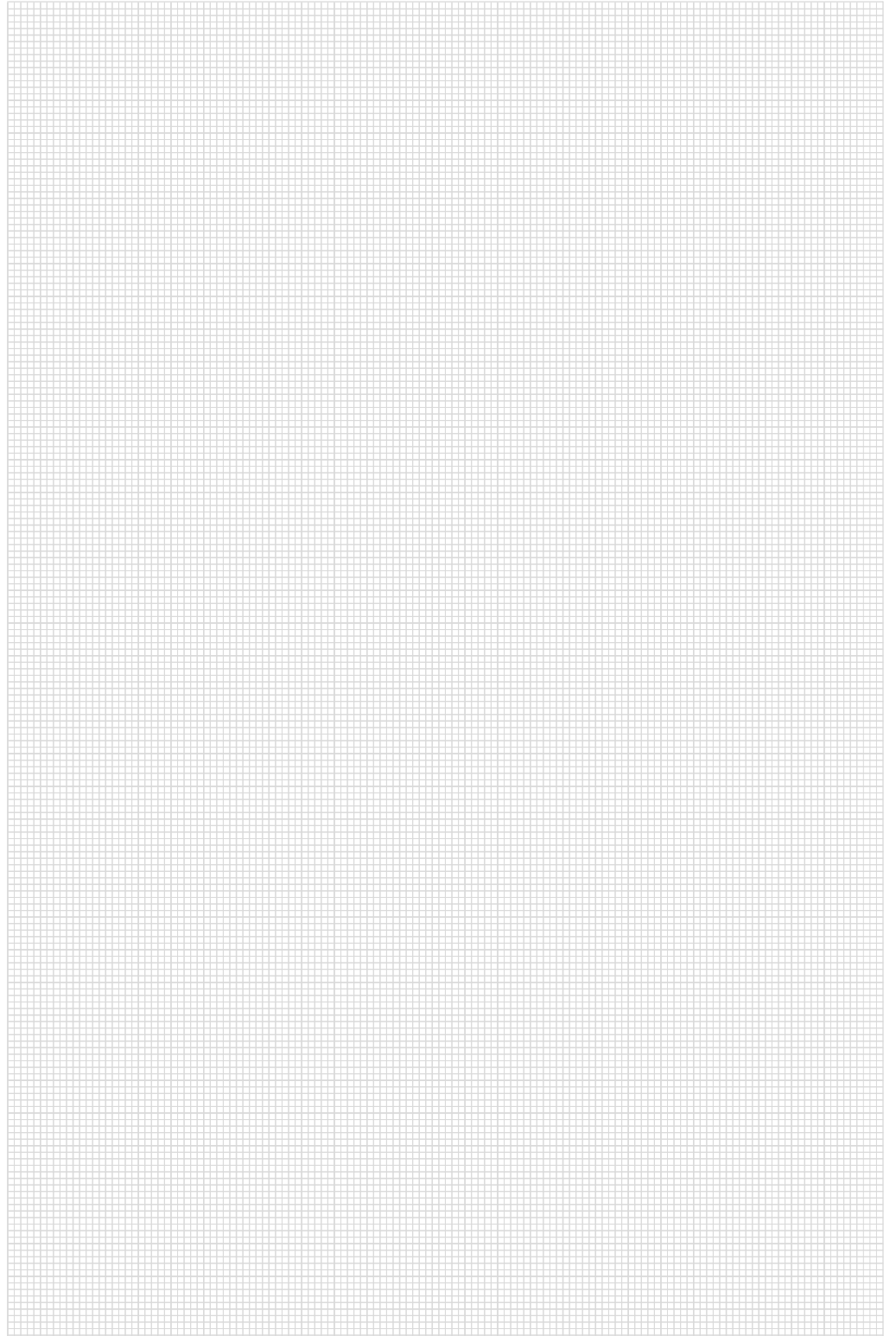
Notes

A large rectangular area filled with a fine grid pattern, intended for taking notes. The grid consists of small, light gray squares on a white background.

**MACO
MULTI-MATIC**



Notes



TECHNOLOGY IN MOTION



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Satisfied?

We appreciate your
feedback@maco.eu

Order no. 757746 – Date: September 2016

Date changed: November 2018

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