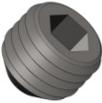


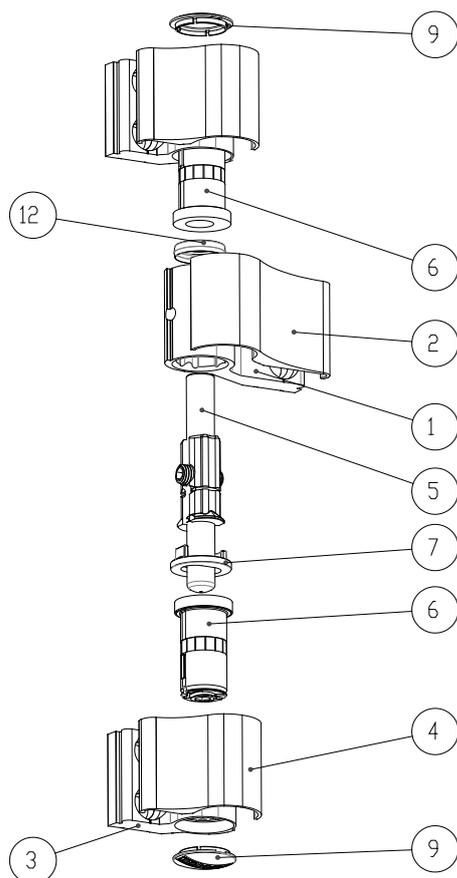
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## Installation of WX 3-wing door hinge

The 3-wing asymmetrical hinge includes the following components:

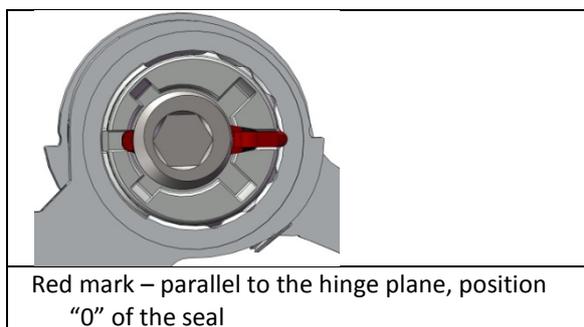
1	Upper wing	1 pcs.	
2	Upper wing cover	1 pcs.	
3	Lower wing	2 pcs.	
4	Lower wing cover	2 pcs.	
5	Hinge pin assembly	1 pcs.	
6	Adjusting sleeve assembly	2 pcs.	
7	Washer	1 pcs.	
9	Cap	2 pcs.	
10	Tap screw M6x5	3 pcs.	
11	Cylinder head screw M4x8	3 pcs.	
12	Tap screw cover	1 pcs.	

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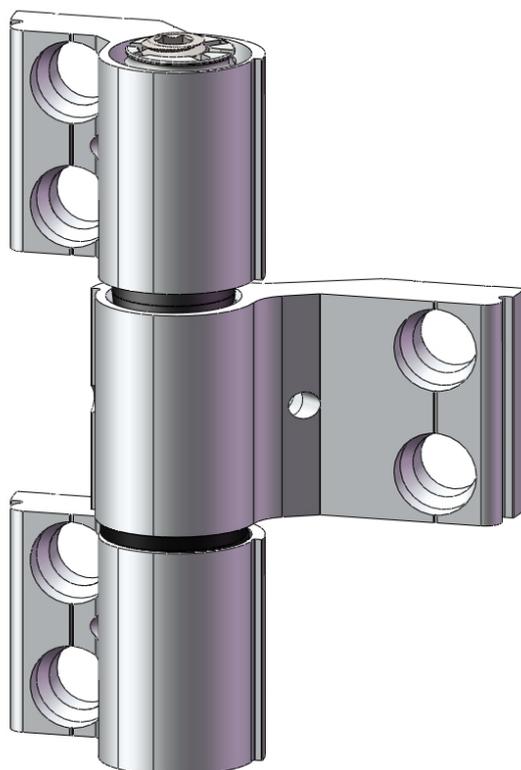
### Hinge installation steps:

- Insert (to not tighten) tap screw M6x5 (10) to the wings (1) and (3);
- Insert the pin assembly (5) in the wing (1);
- Insert the washer (7) on the pin assembly (5);
- Insert the covers (12) on the pin assembly on the upper wing side;
- Insert the sleeve assemblies (6) into the wings (3);



- Insert the pin (5) into the sleeves (6).

The assembled hinge is ready for installation on the profiles.



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## Mounting kits (3-wing hinge):

### Profile without a thermal barrier, mounting with locating sleeves on WKU

Locating sleeves 6 pcs.

Screw M8 6 pcs.

WKU connection block 1 pcs.

WKU connection block, 3-wing 1 pcs.



### Profile without a thermal barrier, mounting with a set screw on WKU

Set screw 6 pcs.

WKU connection block 3 pcs.

WKU connection block, 3-wing 1 pcs.



### Profile without a thermal barrier, mounting with locating sleeves on WN

Locating sleeve 6 pcs.

Screw M8 6 pcs.

WN connection block 1 pcs.

WN connection block, 3-wing 1 pcs.

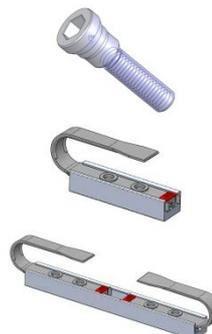


### Profile without a thermal barrier, mounting with a set screw on WKU

Set screw 6 pcs.

WN connection block, 1-wing 1 pcs.

WN connection block, 3-wing 1 pcs.



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**Profile with a thermal barrier, mounting with “quick-screws”**

Quick-screw 6 pcs.



**Profile with a thermal barrier, mounting with “TKO” (retaining pin sleeve)**

Retaining pin sleeve 6 pcs.



Screw M8x55 6 pcs.

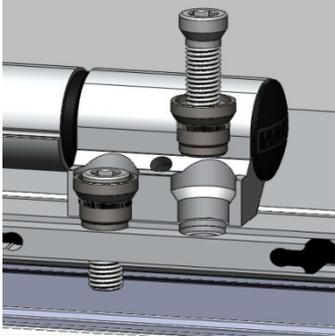
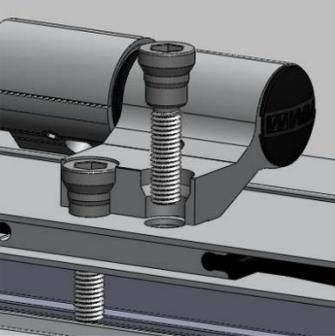
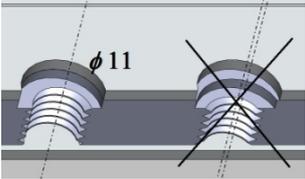


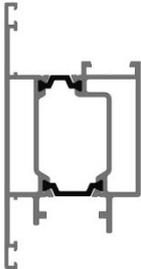
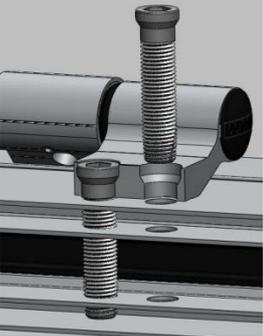
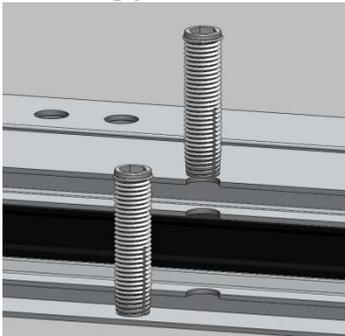
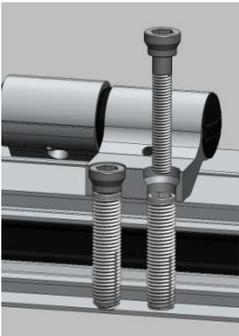
Locating sleeve under TKO 6 pcs.



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## Mounting on the hinge on profiles with:

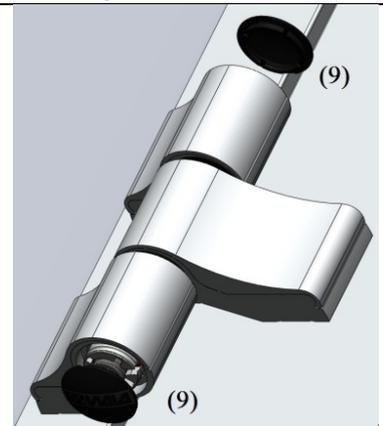
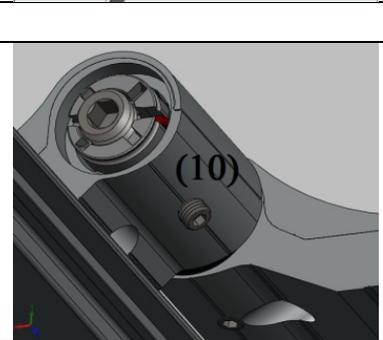
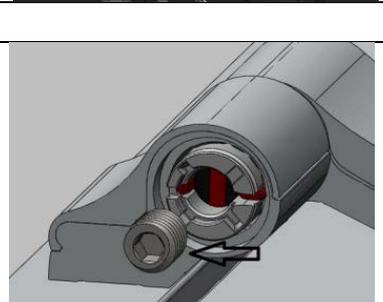
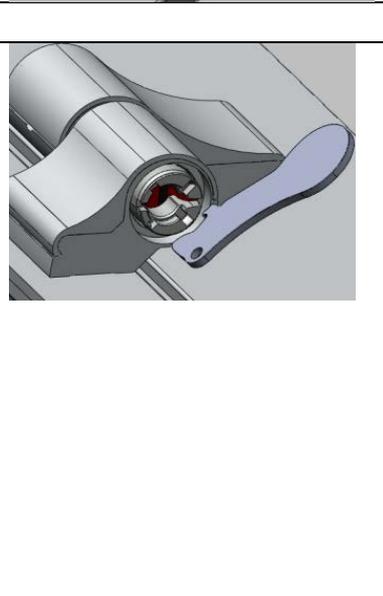
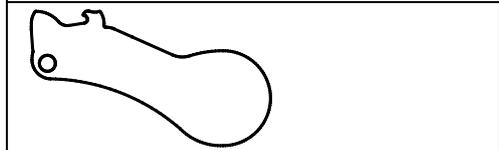
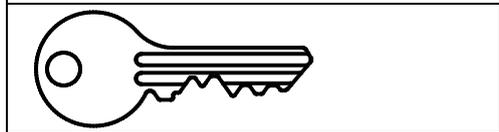
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Installation on profiles without a thermal barrier.</p> 	<p><b>Locating sleeves:</b></p>  <p>Drill a <math>\phi</math> 11 mm hole in the profile.</p>
	<p><b>Set screw:</b></p>  <p>Drill a <math>\phi</math> 11 mm hole in the profile. When tightening the screws, keep the holes aligned: connection block - profile</p> 

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Installation on profiles with a thermal barrier.</p> 	<p><b>Quick-screws:</b></p>  <p>Drill a <math>\phi</math> 11 mm hole in the profile through 3 walls.</p>
	<p><b>Retaining pin sleeve:</b></p>   <p>Drill a <math>\phi</math> 11 mm hole in the profile through 3 walls. Insert the TKO and then tighten the wing.</p>

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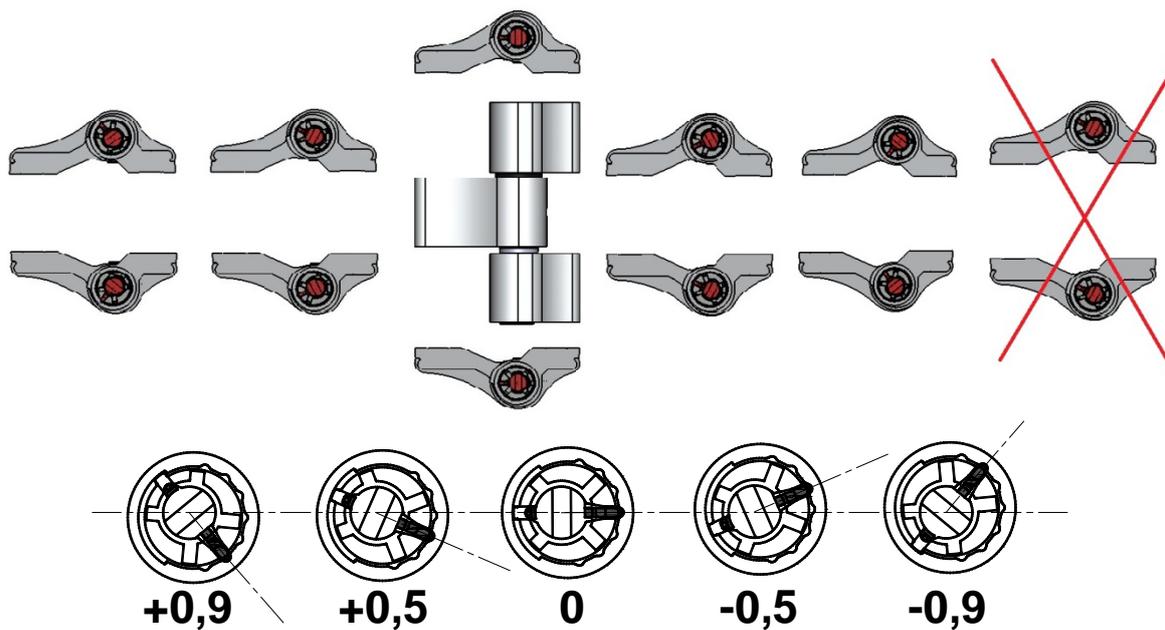
## Hinge adjustment:

### Seal adjustment:

	<p>Remove the caps (9) (e.g. with a flat screwdriver used for prying).</p>	
	<p>With the door open, loosen the M6x5 tap screw (10) in the upper and lower wing.</p>	
	<p>Remove the M12 tap screw in both wings (upper and lower one).</p>	
	<p>Insert:</p>	
	<p>"WALA" KEY</p>	
	<p>"LOB" TYPE KEY</p>	
	<p>Washer or DISC <math>\phi</math>30</p>	
	<p>Flat screwdriver 15 mm wide</p>	

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The following seal adjustment options are available:

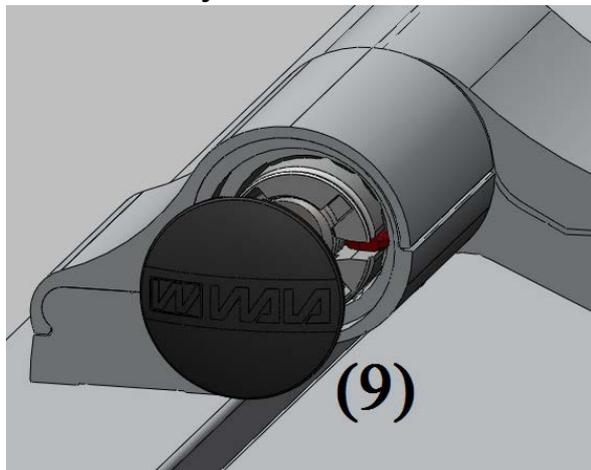


After the adjustment:

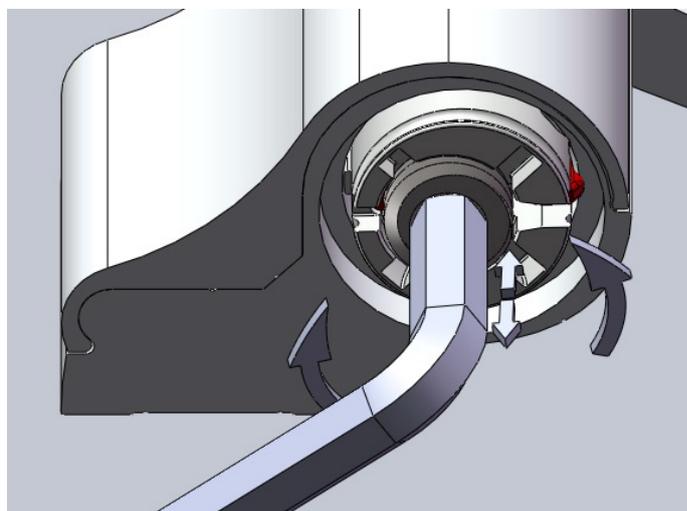
- tighten the M12 tap screw [to light resistance],
- insert and tighten the M6x5 tap screw  (10),
- replace the cap (9).

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### VERTICAL adjustment:



Remove the lower cap (9), (e.g. with a flat screwdriver used for prying).



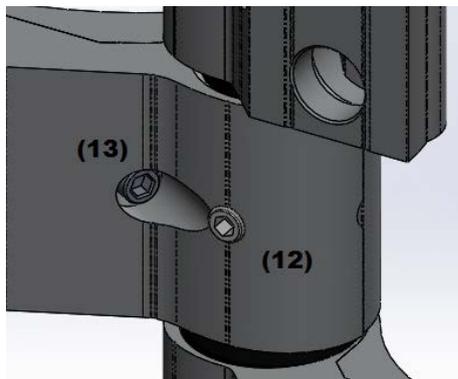
Tighten the M12 tap screw for smooth vertical adjustment (+ 4mm).

### After the adjustment:

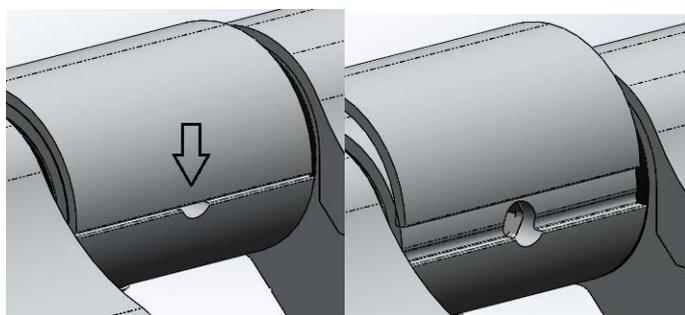
- replace the lower cap (9).

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## Adjustment of the sash-frame clearance width



With the door open, loosen the M4 screw  (13) locking the cover and loose the M6x5 tap screw  (12).



Use the provided hole to pry the cover up with a flat screw driver and access the adjustment hole. For adjustments use a #4 Allen key.

Adjustment range to  $\pm 3,1$  mm

After the adjustment:

- tighten the M6x5 tap screw (12),
- tighten the cover,
- tighten the M4 screw (13).