


# HINGE DOOR: ASSEMBLY INSTRUCTION

## ALUMINIUM FRAME HINGE DOOR RPS

Version 1.4 (2017-06-22)

2.30.1.c

Assemble  easy medium difficult

Subject to technical changes.

**raumplus**

# CONTENT AND TOOLS

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## TOOLS:

(without claim of completeness)

- Phillips screwdriver
- 2.5 mm Allen key
- Milling machine and drilling machine  
(size, see Drilling pattern / milling pattern)
- Pencil
- Metal saw
- Pinch roller
- Cutter
- Pair of gloves
- Clamping device
- File



### VERSION INFORMATION:








Version 1.1: Note to RPS 22.5, for the use of colored glass  
Version 1.2: System information adapted  
Version 1.3: Hint added prepressing of the gasket  
Version 1.4: Processing Instructions added

# PRODUCT INFORMATION

## GENERAL INFORMATION: Preparation

- This manual is part of the product and describes the safe and proper installation of the system. Please read the instructions carefully before installation
- Please note that the assembly should only be done by qualified and trained staff in strict compliance with all details indicated in this document. Improper installation in variation from manufacturer's specification may cause defects and danger, thus endangering the safe fixing of the product as well as the safety of the prospective user. The liability of the manufacturer shall be excluded in case of defects and consequential damages resulting from incorrect assembly of this product.
- Please check the completeness of the delivered parts and check carefully if any transport damages are visible.
- If any parts are damaged or lost, please immediately contact the responsible supplier.
- It is assumed that you have exactly identified all cutting dimensions according to the measurement instruction for **raumplus** products.

## SYMBOLE:

Symbol	Importance
	Risk or danger!
	Advice and information
	Additional information / other documents
	Directional data / direction of movement
	„yes“ and „right“
	„no“ and „wrong“
	Follow the order

## SYSTEM:

### System Information: RPS

- max. weight of element = **20 kg**
- min./max. door height = **300 mm / 2500 mm**
- min./max. door width = **300 mm / 620 mm**

# PRODUCT INFORMATION

## GENERAL INFORMATION: **Product safety**

- The system complies with the prior of the art and the authorized safety rules at the time of delivery.

## USE:

### Intended use

- The prerequisite for the intended use of our products is the professional installation according to our installation instruction. Sufficient fittings must be available and durably installed to all relevant places. The function of the fittings must not be hindered or altered during installation.
- Special solutions are only possible in consultation with **raumplus**.

### Incorrect use

- Risk or danger may occur in the following cases:
  - the door system has improperly been installed or maintained
  - the safety and installation instructions have not been followed.
  - after improper installation or inadequate fixing (e.g. to parts of buildings)
  - the maximum weight of the doors has been exceeded.
  - improper shock and case loads or other additional loads on the fittings have occurred
  - the fittings have been used outside.
  - body parts or objects got into the closing edges or door runnings during use of the door wing.
  - the door system is not used as intended.

### Structural modifications

- Structural modifications that are not offered as an accessory from **raumplus** may only be attached or installed with permission of **raumplus GmbH!**

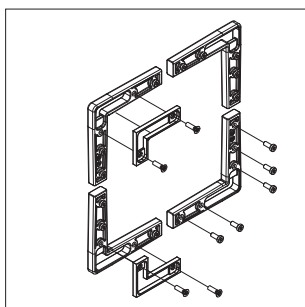


For the planning the doors note following instructions:  
**Aluminium frame hinged door RPS Planning**

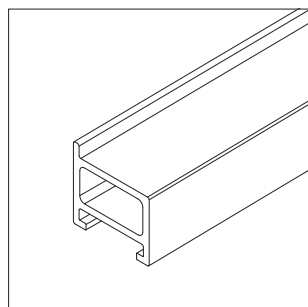
## GLUING:

STANDARD		OPTIONAL
<b>tesa®</b>	← <b>System</b> ⇒	<b>3 M™</b>
<b>Cleaner: 3 M - Surface Cleaner VBH ( may be taken for all systems )</b>		
<b>Promoter 60150</b>	← <b>adhesive agent</b> ⇒	<b>Primer 94</b>
<b>ACX <sup>plus</sup> 7044</b>	← <b>adhesive tape</b> ⇒	<b>4613F VHB™</b>

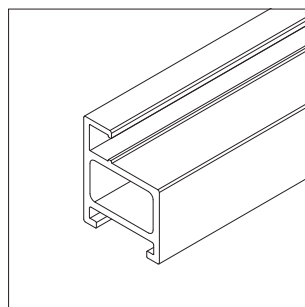
# ACCESSORIES



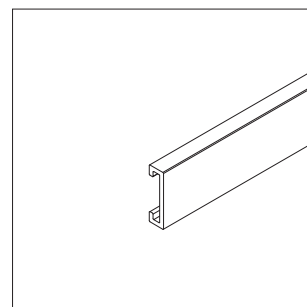
1\_ 10.52.01x



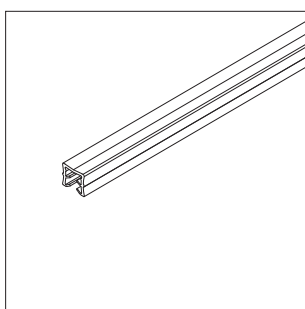
2\_ 52.11.0xx



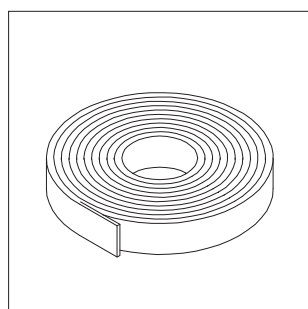
3\_ 52.01.0xx



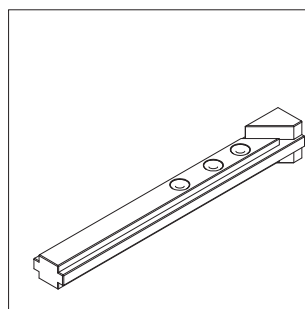
4\_ 52.12.0xx



5\_ 10.01.171



6\_ 25.12.047



7\_ 30.14.021

1\_ Fitting set RPS

2\_ Frame profile RPS / 22,5 mm

3\_ Frame profile RPS / 29 mm

4\_ Cover profile RPS

5\_ 4 mm gasket

6\_ Double sided tape

7\_ Drilling template RPS

**w/o illustration:**

8\_ Tape for cover profile RPS 15 mm x 50 m 95.02.026

9\_ Cleaner

10\_ Primer / Promoter

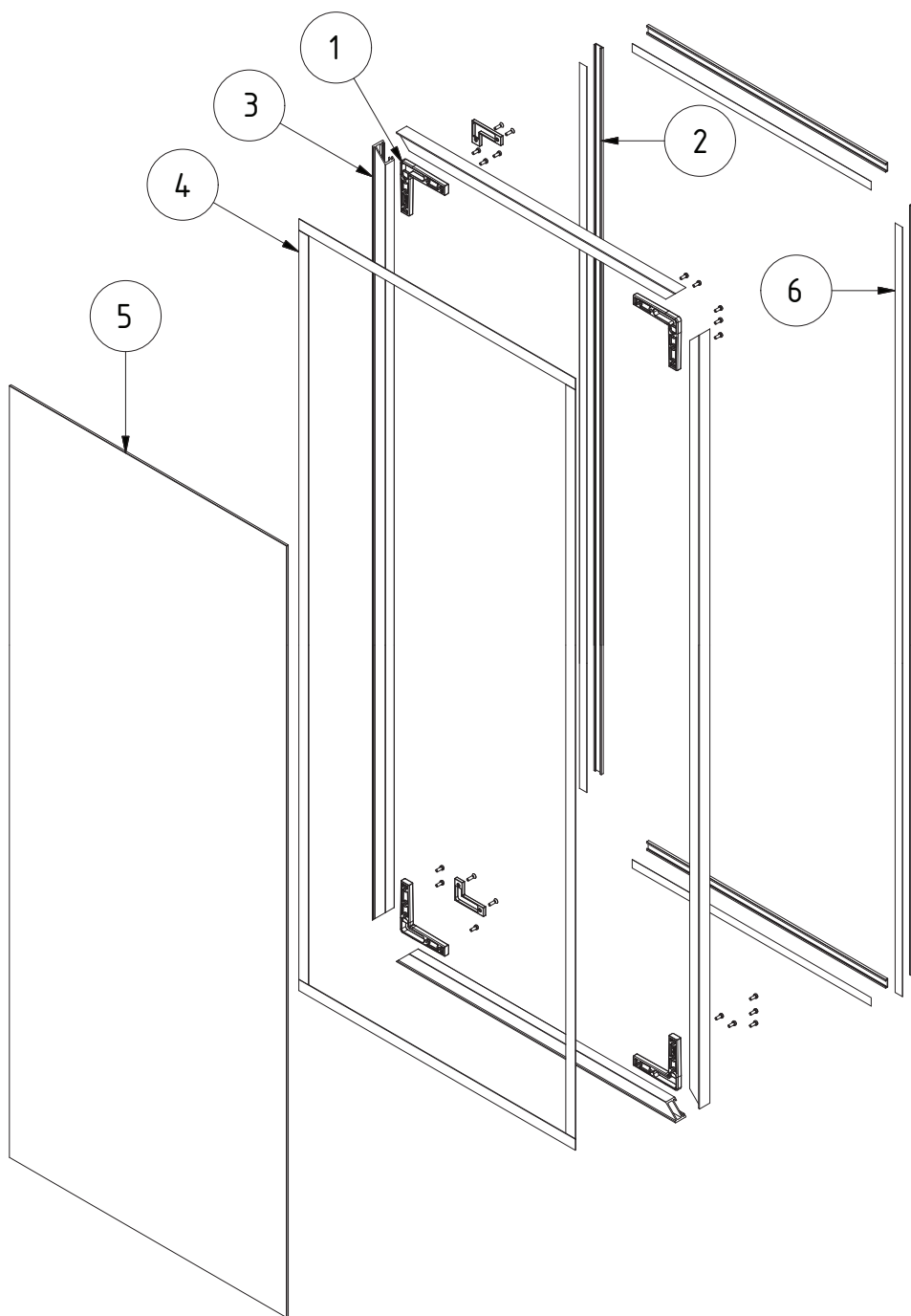
11\_ Pressure roller S 800 30.15.025

12\_ Pressure roller 30.15.026

For coloured surfaces please ask your dealer.

# FRAME PROFILE RPS / 22,5 mm

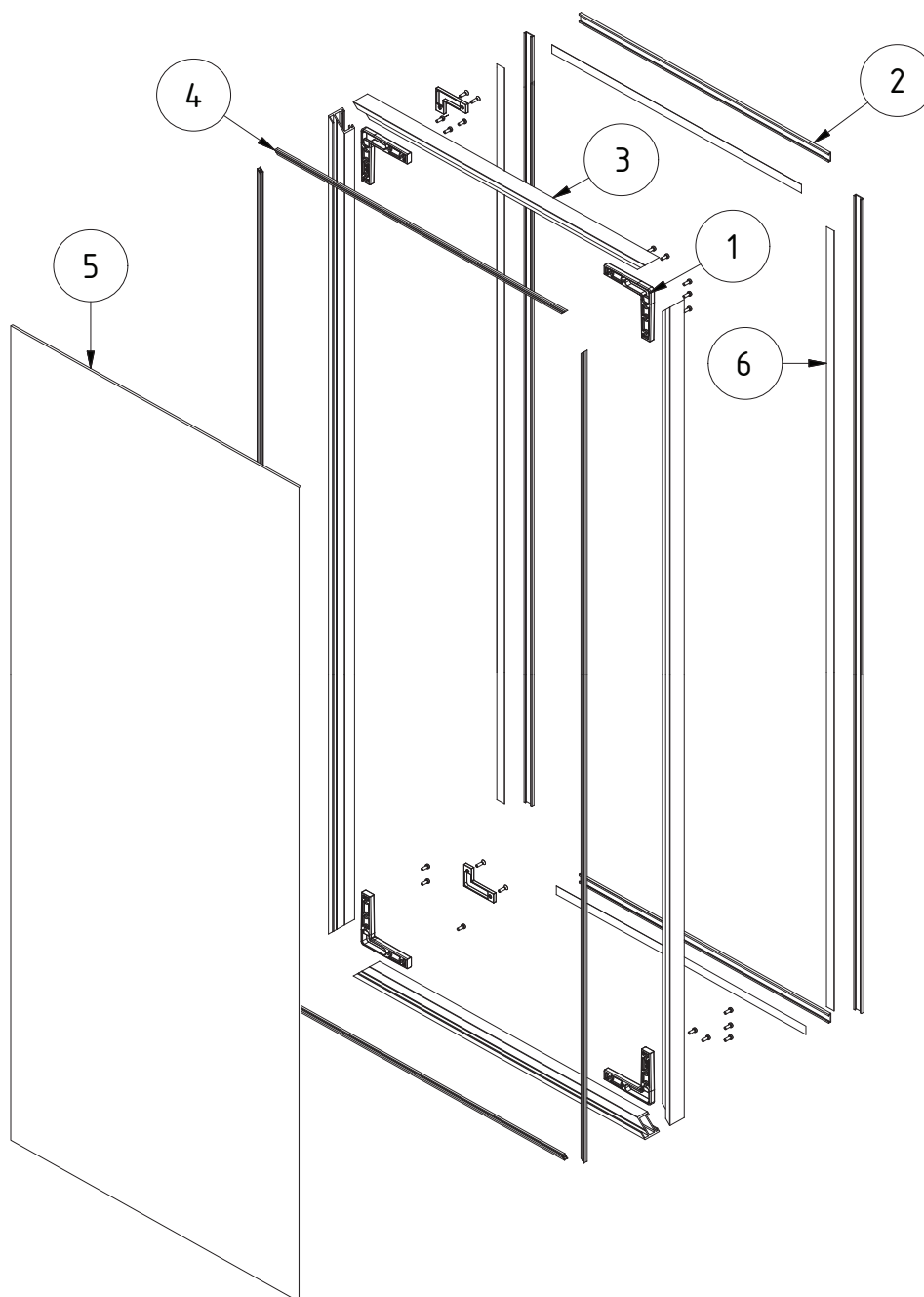
EXPLODED DRAWING



Item list			
Object	Quantity	Item	Item no.
1	1	Fitting set RPS	10.52.01x
4	4	Cover profile RPS	52.12.0xx
5	4	Frame profile RPS, 22,5 mm	52.11.0xx
6	4	Double sided tape	25.12.047
7	1	4 mm Glass panel	
8	4	Double sided tape 15 mm	95.02.026

# FRAME PROFILE RPS / 29 mm

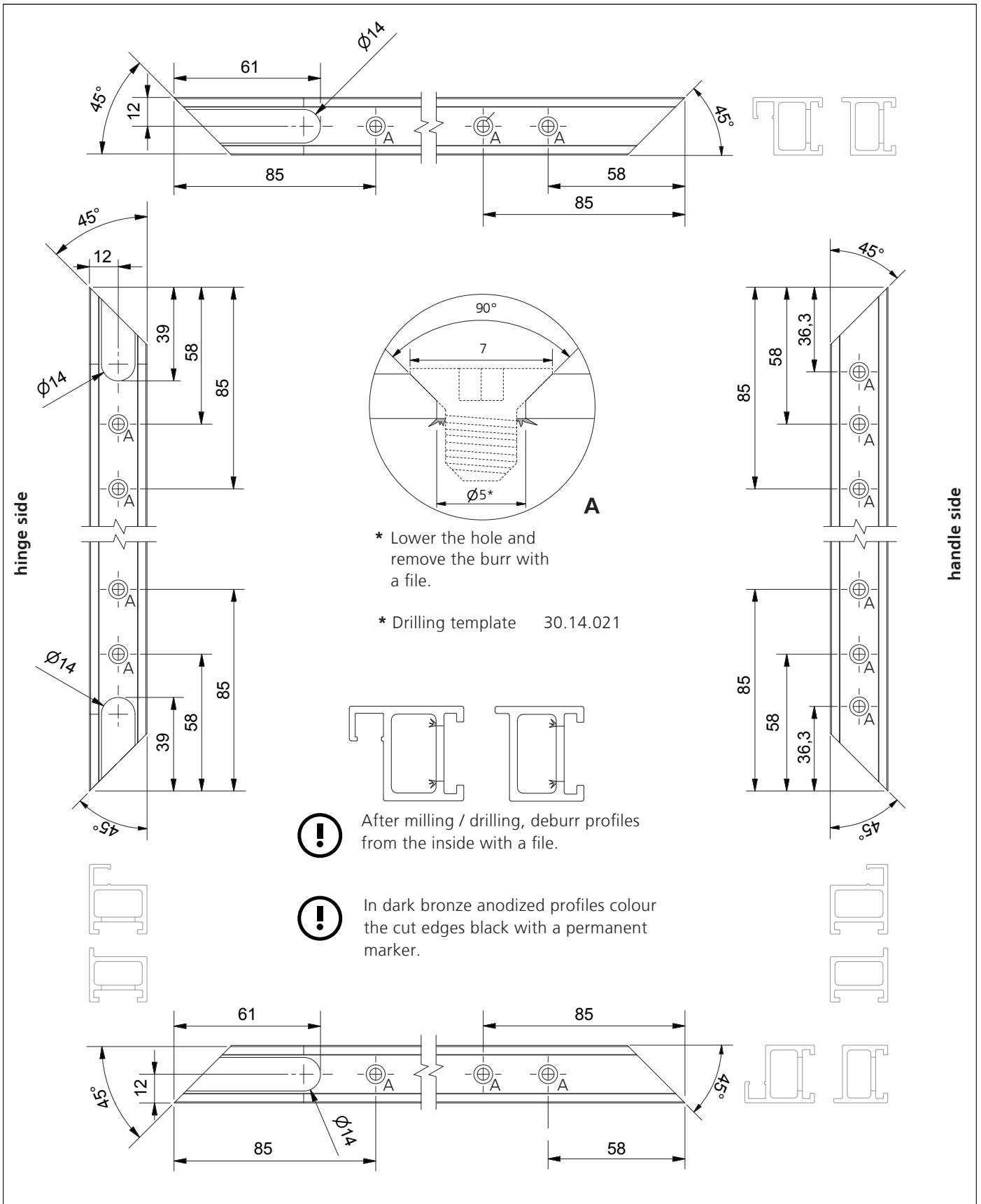
EXPLODED DRAWING



Item list			
Object	Quantity	Item	Item no.
1	1	Fitting set RPS	10.52.01x
2	4	Cover profile RPS	52.12.0xx
3	4	Frame profile RPS, 29 mm	52.01.0xx
4	4	4 mm Gasket	10.01.171
5	1	4 mm Glass panel	
6	4	Tape for cover profile RPS 15 mm	95.02.026

# DRILLING PATTERN / MILLING PATTERN

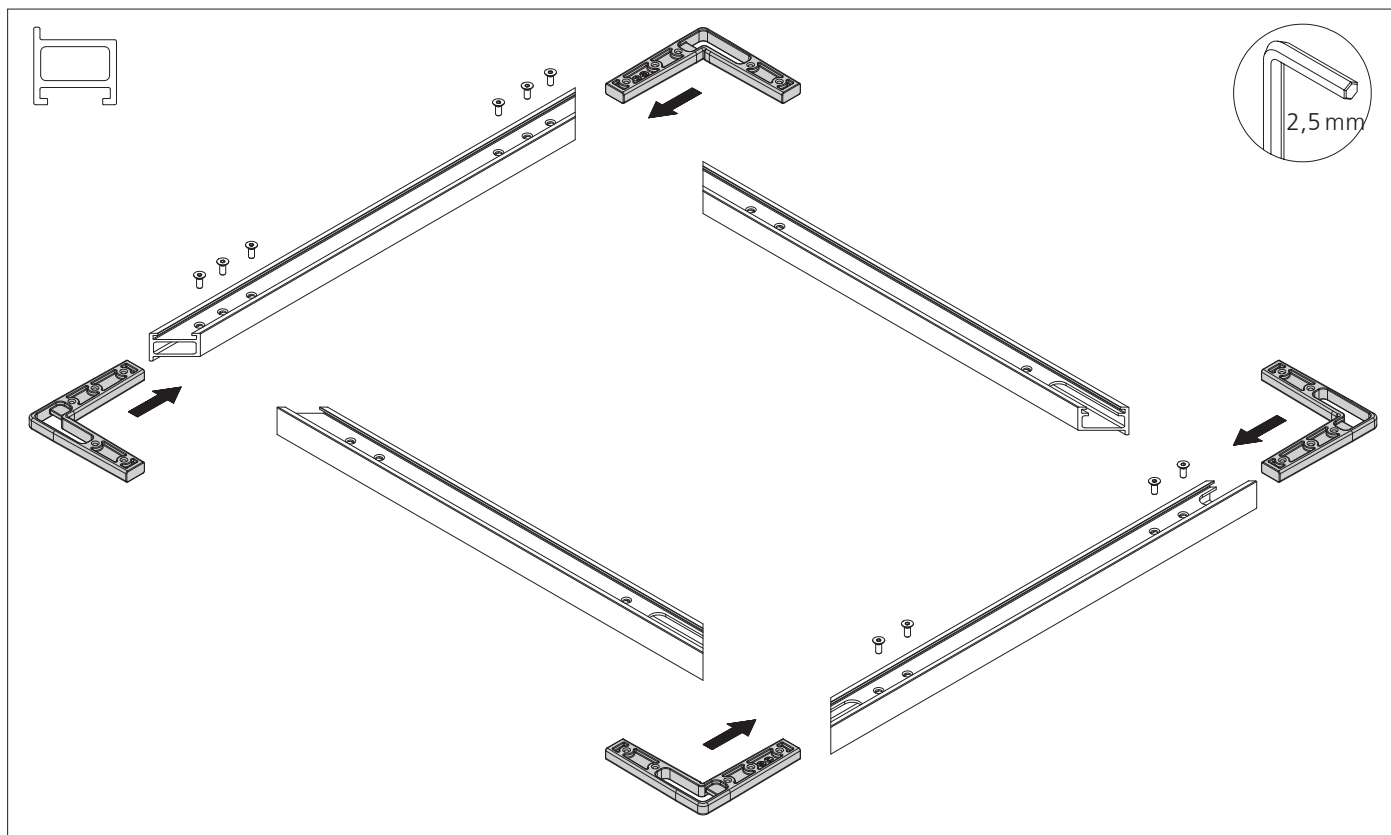
FRAME PROFILE RPS / 22,5 mm / 29 mm



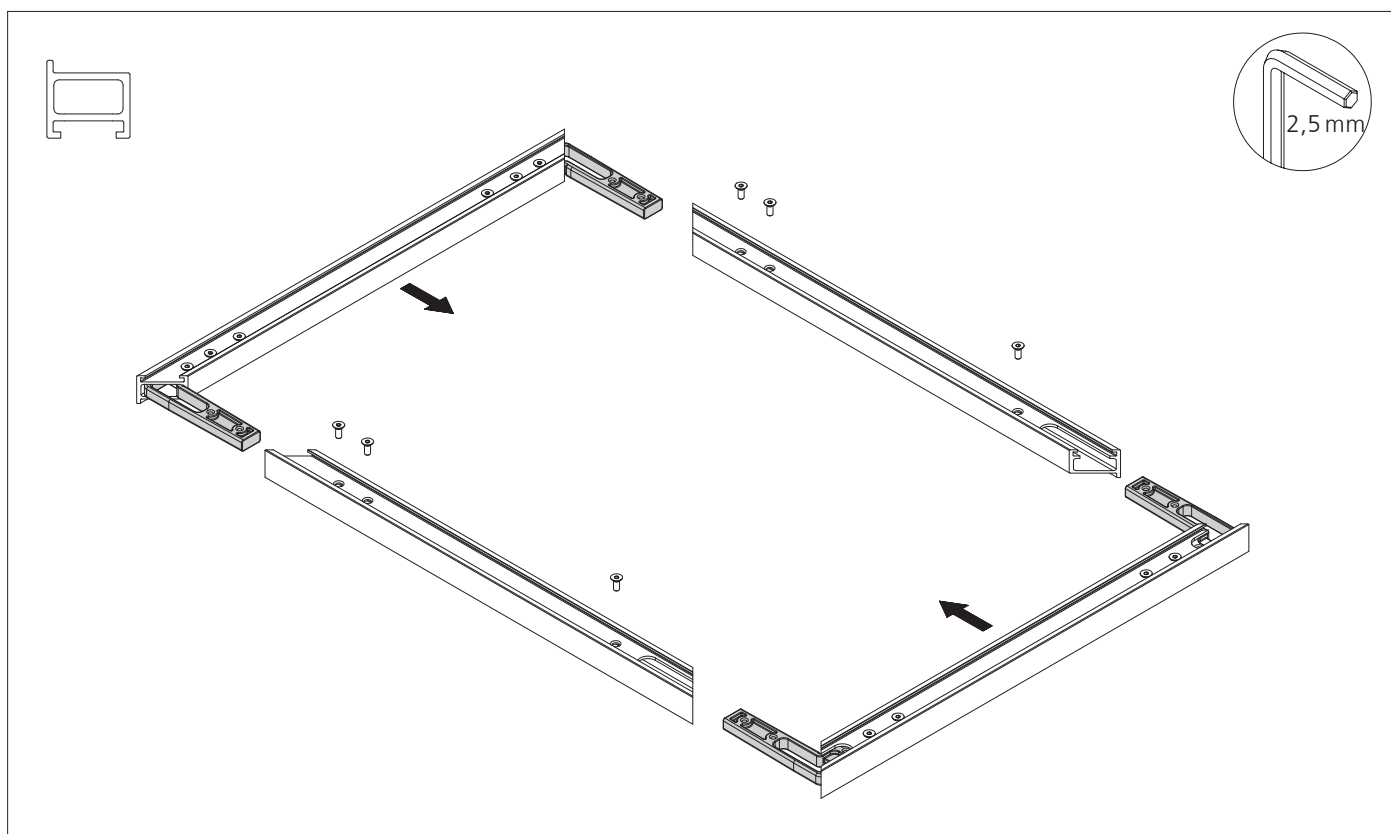


# ASSEMBLY INSTRUCTION

FRAME PROFILE RPS / 22,5 mm



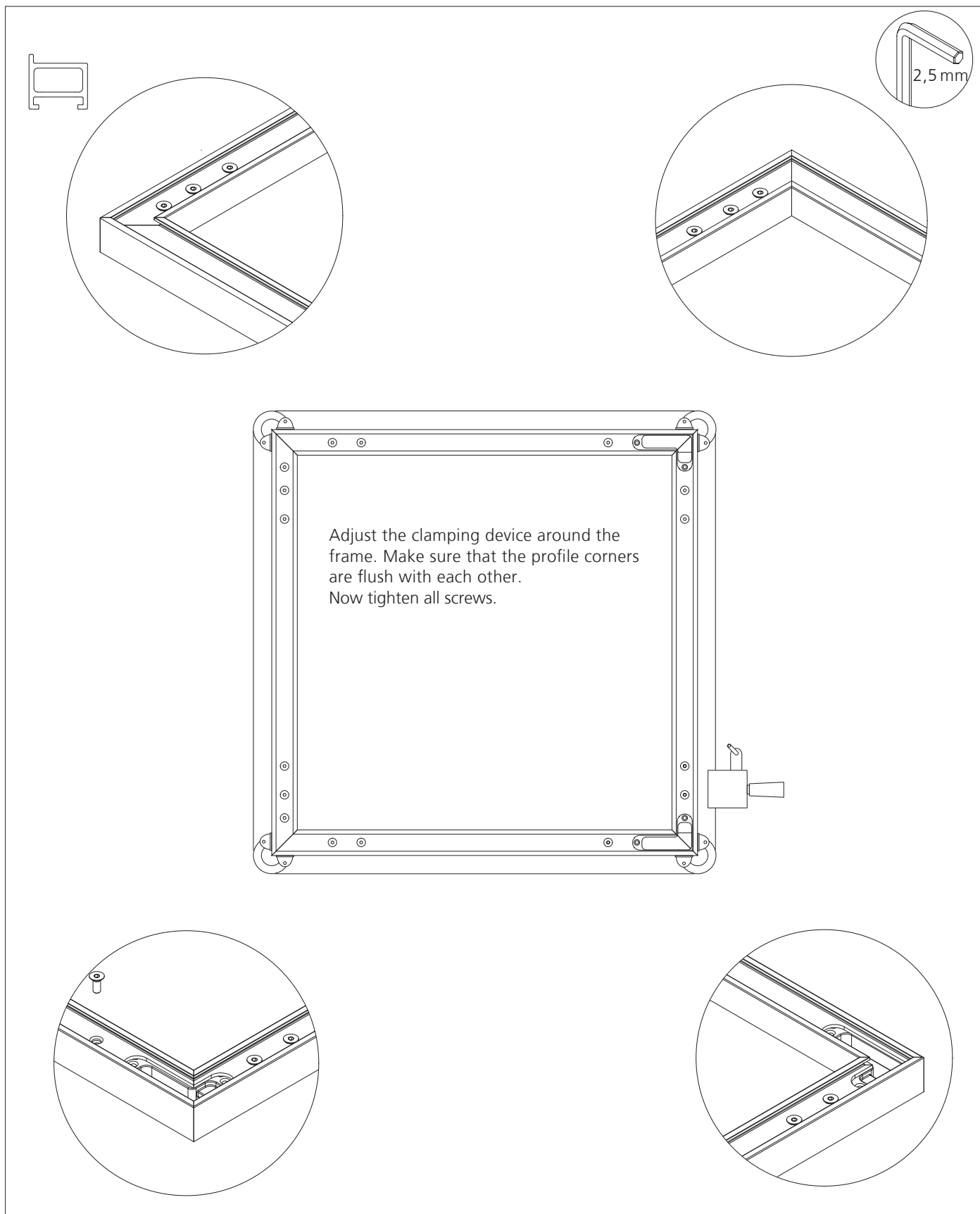
1\_ Insert and screw the fitting set



2\_ Insert and screw the fitting set

# ASSEMBLY INSTRUCTION

FRAME PROFILE RPS / 22,5 mm

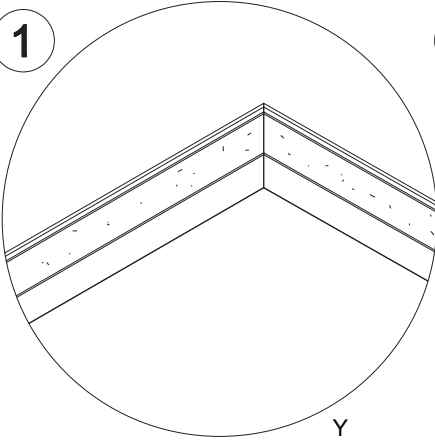


3\_ Align frame and screw together

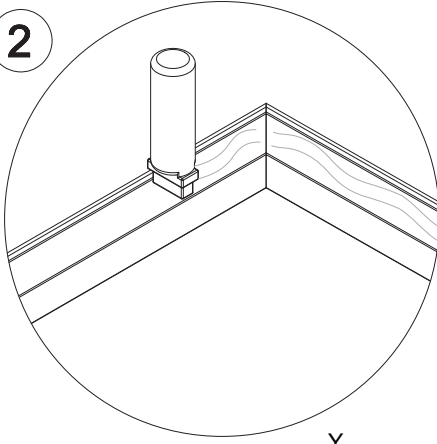
# ASSEMBLY INSTRUCTION

FRAME PROFILE RPS / 22,5 mm

**1**




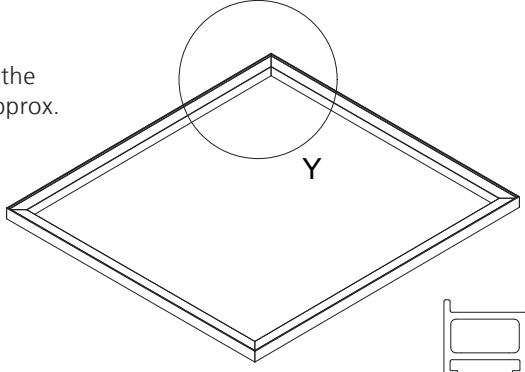
**2**



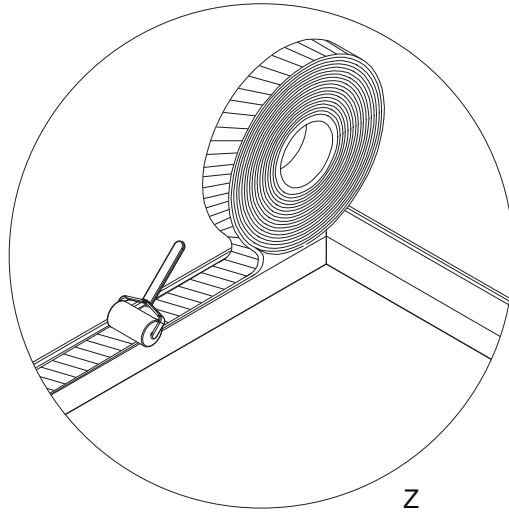
**i** Use only colored glass with PE splinter guard foil.

Clean the adhesive surfaces on the profiles and on the back of the glass with cleaner. Use lint-free cloths. The surface has to be free of grease, oil or silicone films as well as dirt particles.


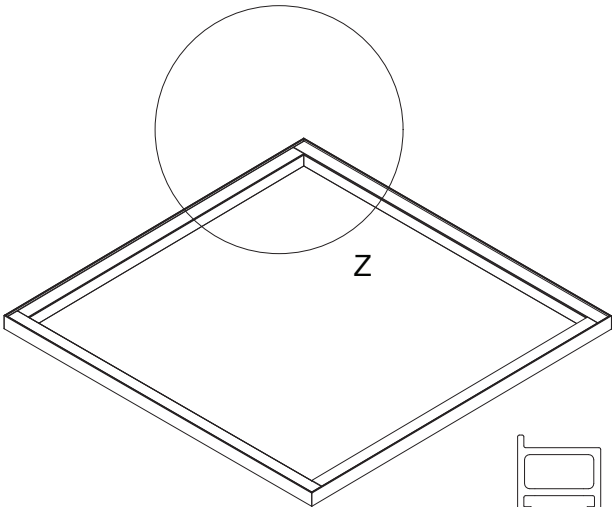
Apply a thin layer of primer to the adhesive surfaces, then wait approx. for five minutes until all of the remnants of the primer have evaporated.



4\_ Clean the adhesive surfaces / Apply primer



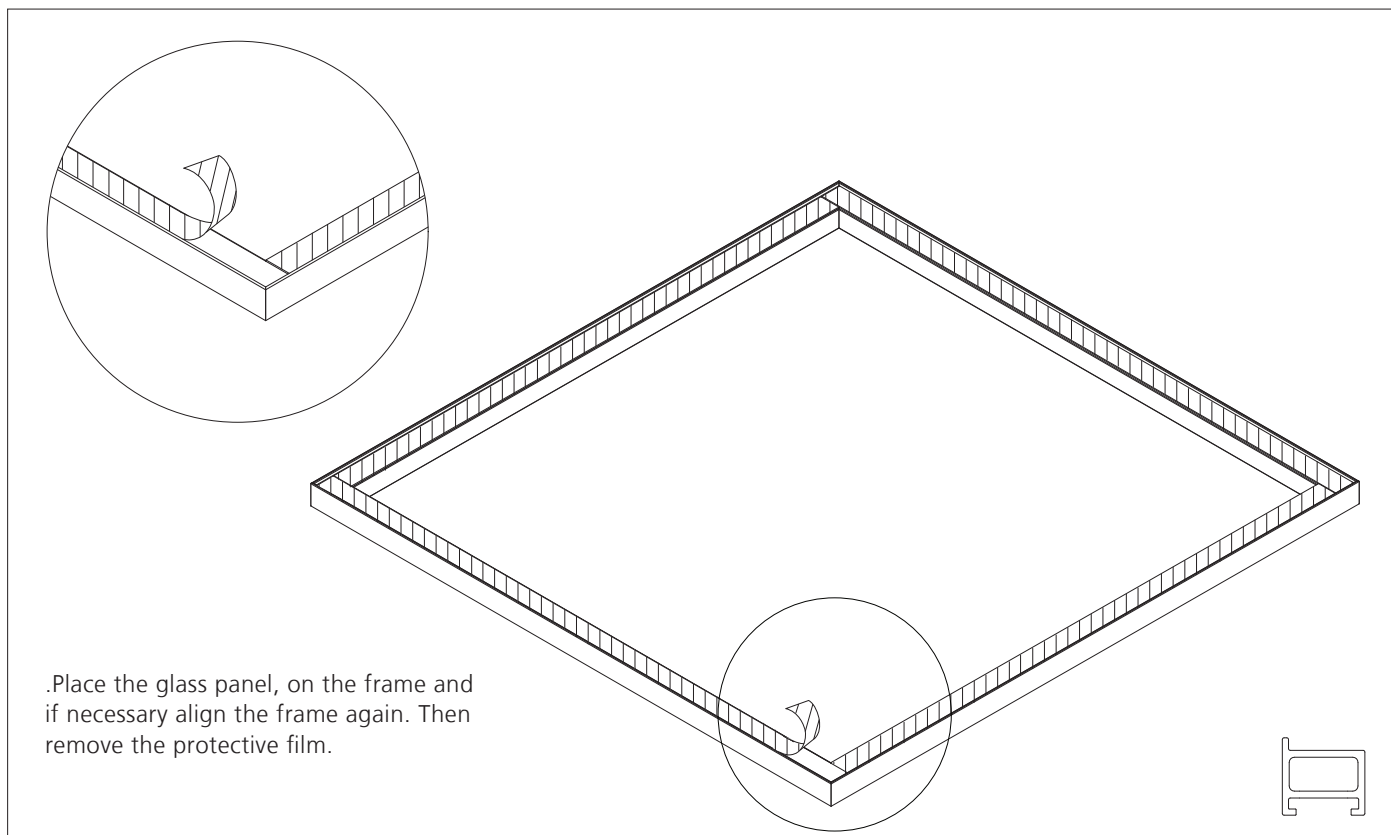
Attach the adhesive tape to the profiles without bubbles. The processing temperature should not be below 20°C! Afterwards press it tightly with the pinch roller (approx. 20N/cm<sup>2</sup>) Do not yet remove protective film!



5\_ Affixing tape and press on

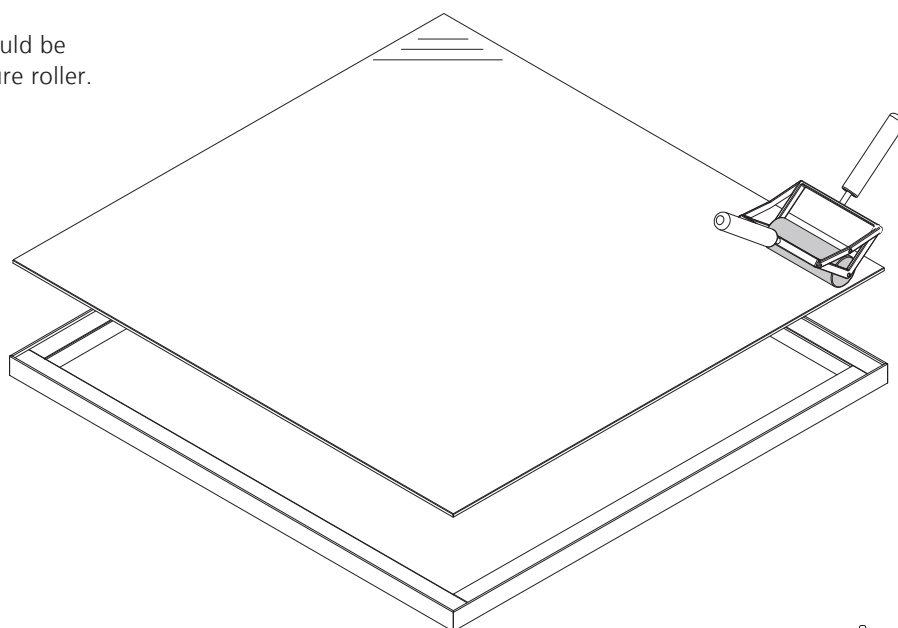
# ASSEMBLY INSTRUCTION

FRAME PROFILE RPS / 22,5 mm



## 6\_ Preparation of gluing

Clean and prime the glass before gluing.  
The alignment of the glass panel after gluing is not possible!  
After placing the glass panel it should be careful pressed by using the pressure roller.  
(ca 20 N / cm<sup>2</sup>).



Applies to horizontal positioning the glued surfaces point upwards

**adhesive force (50%)**

at 20° C after 20 min

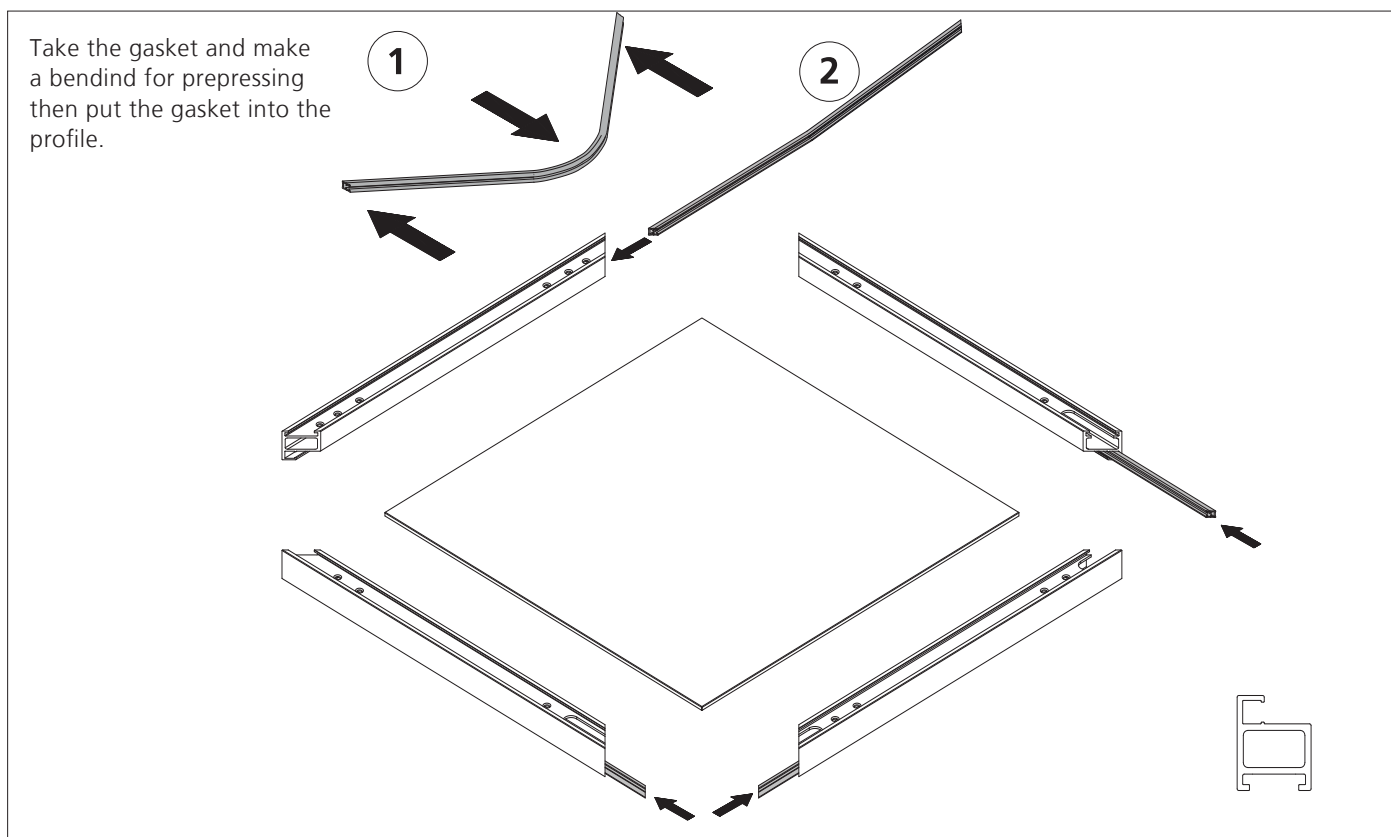
**end adhesive force (100%)**

at 20° C after 72 h

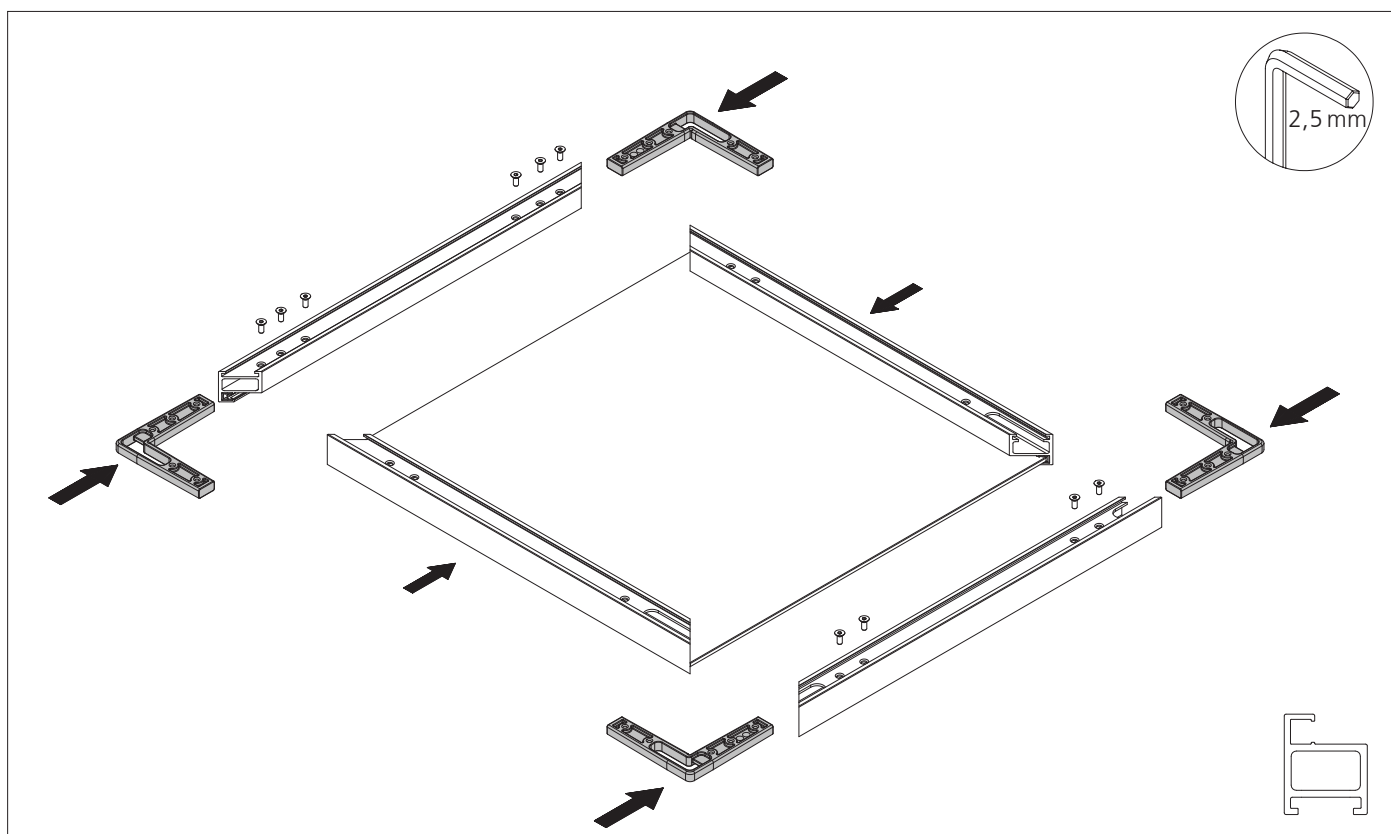
## 7\_ Inserting the plate

# ASSEMBLY INSTRUCTION

FRAME PROFILE RPS / 29 mm



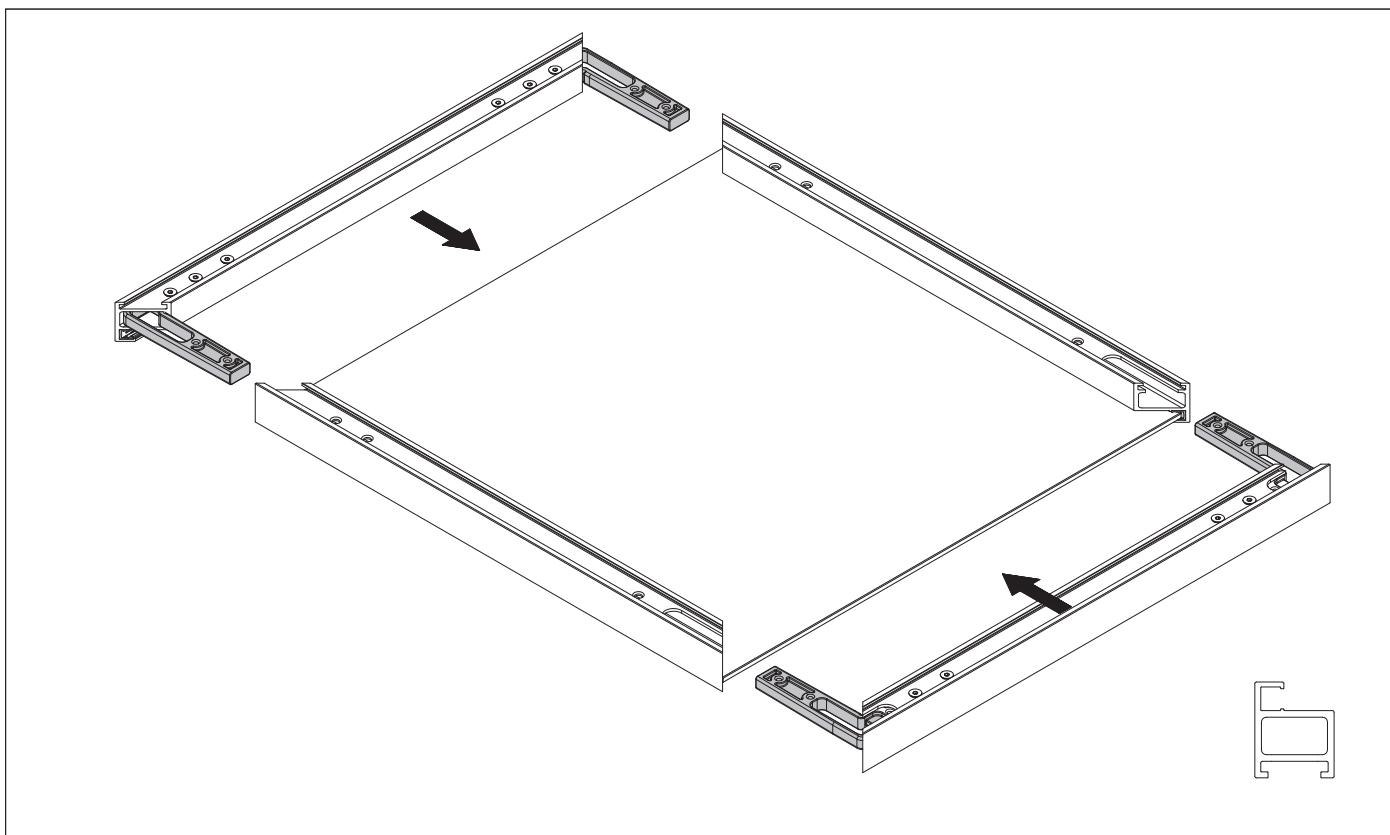
1\_ Inserting the glass inclusion profile



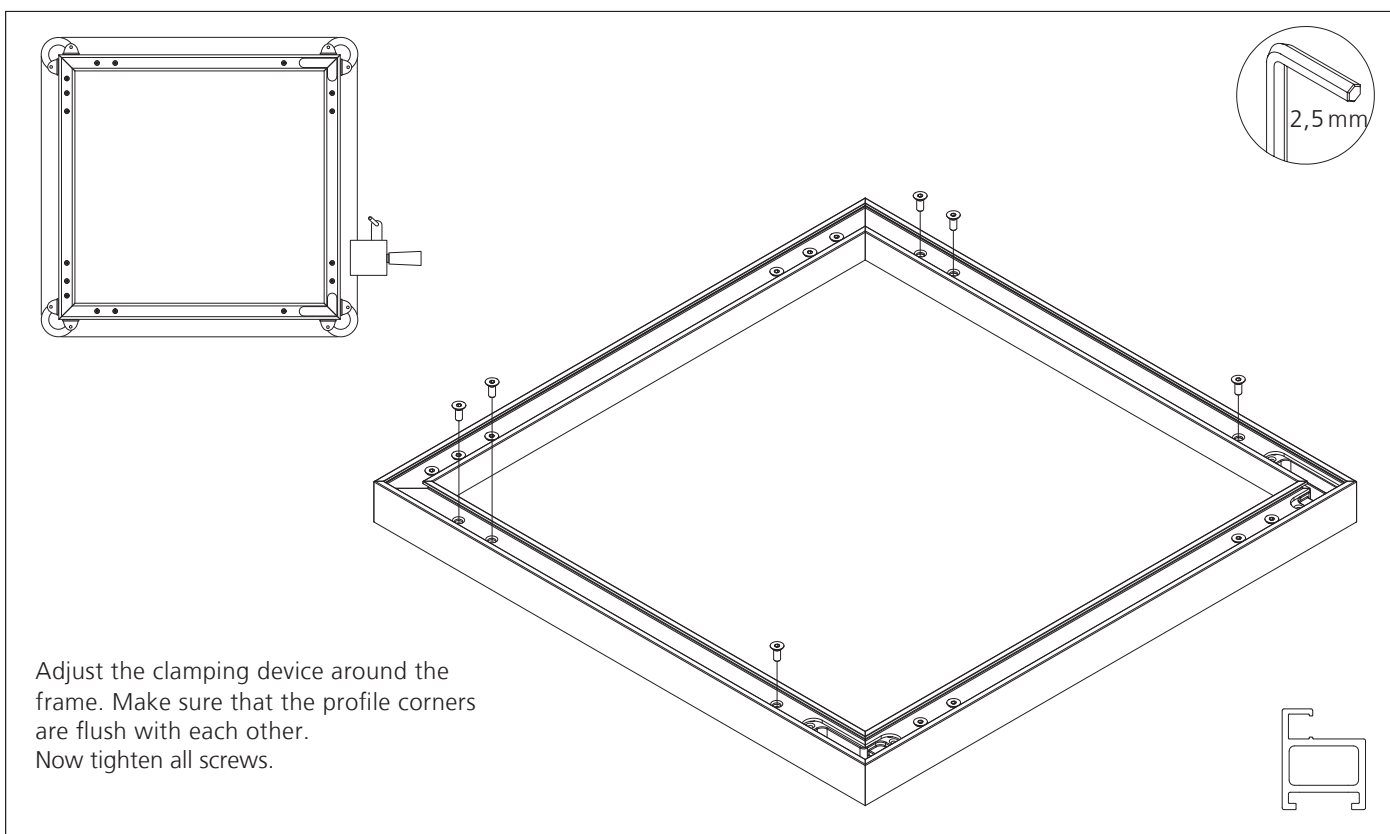
2\_ Insert and screw the fitting set

# ASSEMBLY INSTRUCTION

FRAME PROFILE RPS / 29 mm



3\_ Insert and screw the fitting set

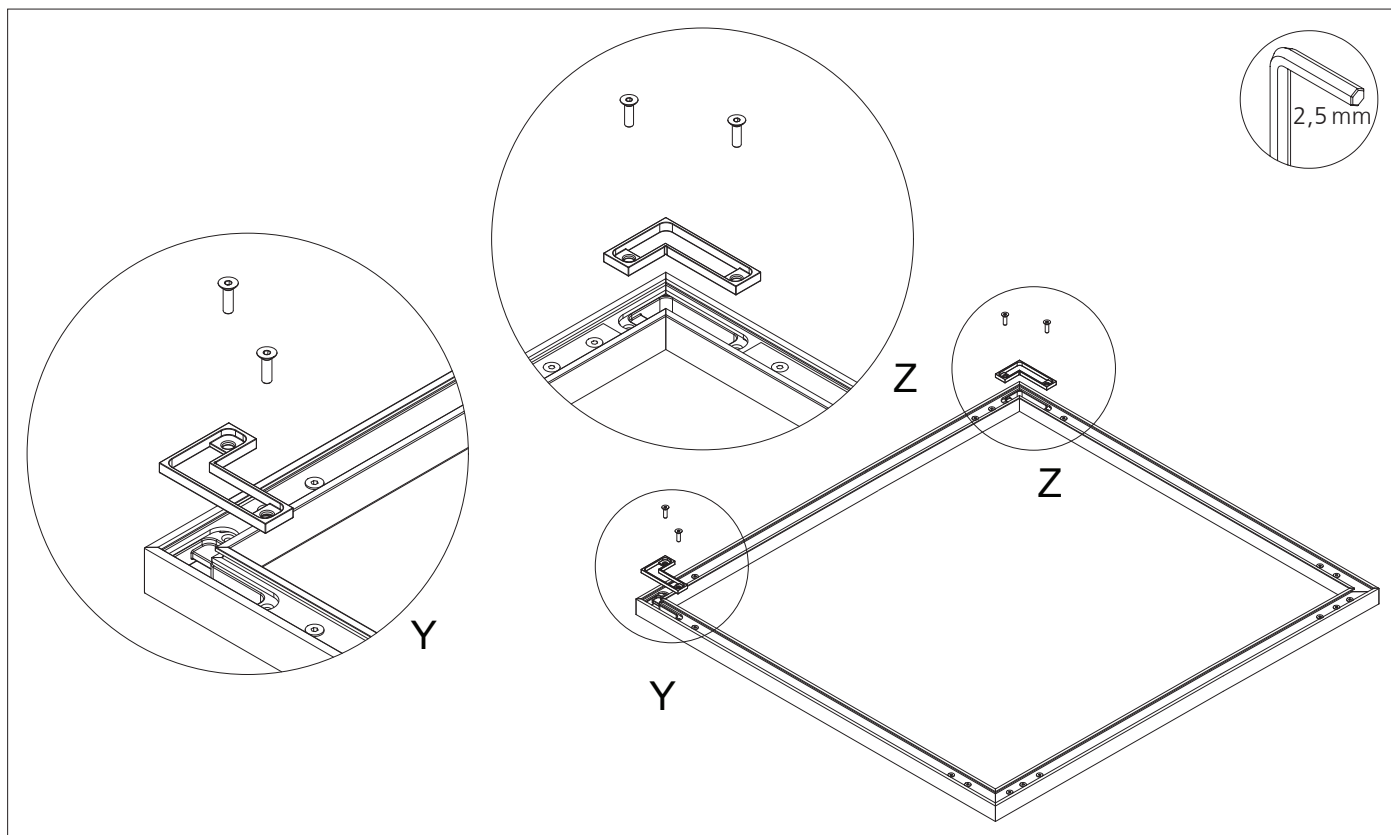


Adjust the clamping device around the frame. Make sure that the profile corners are flush with each other.  
Now tighten all screws.

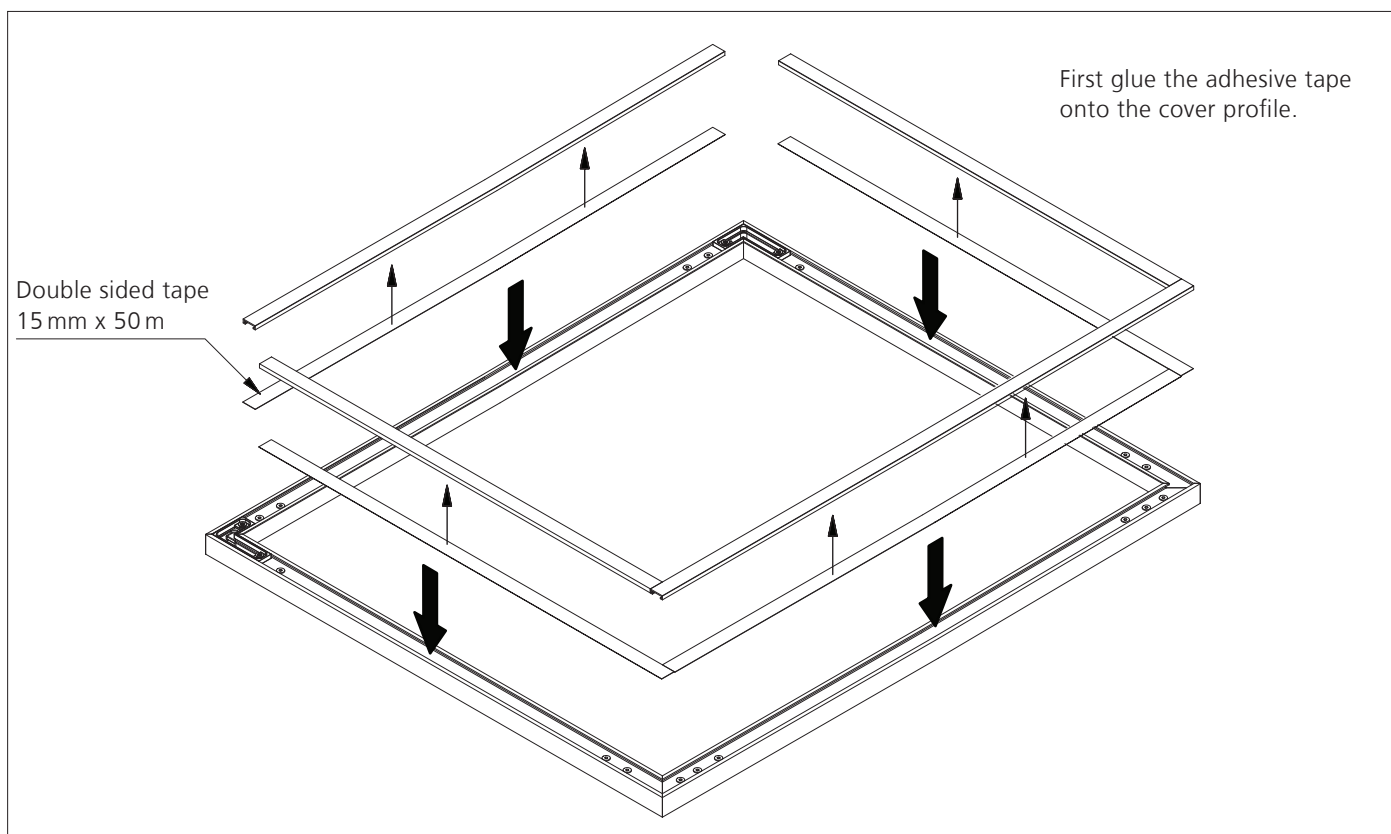
4\_ Align frame and screw together

# ASSEMBLY INSTRUCTION

FRAME PROFILE RPS / 22,5 mm / 29 mm



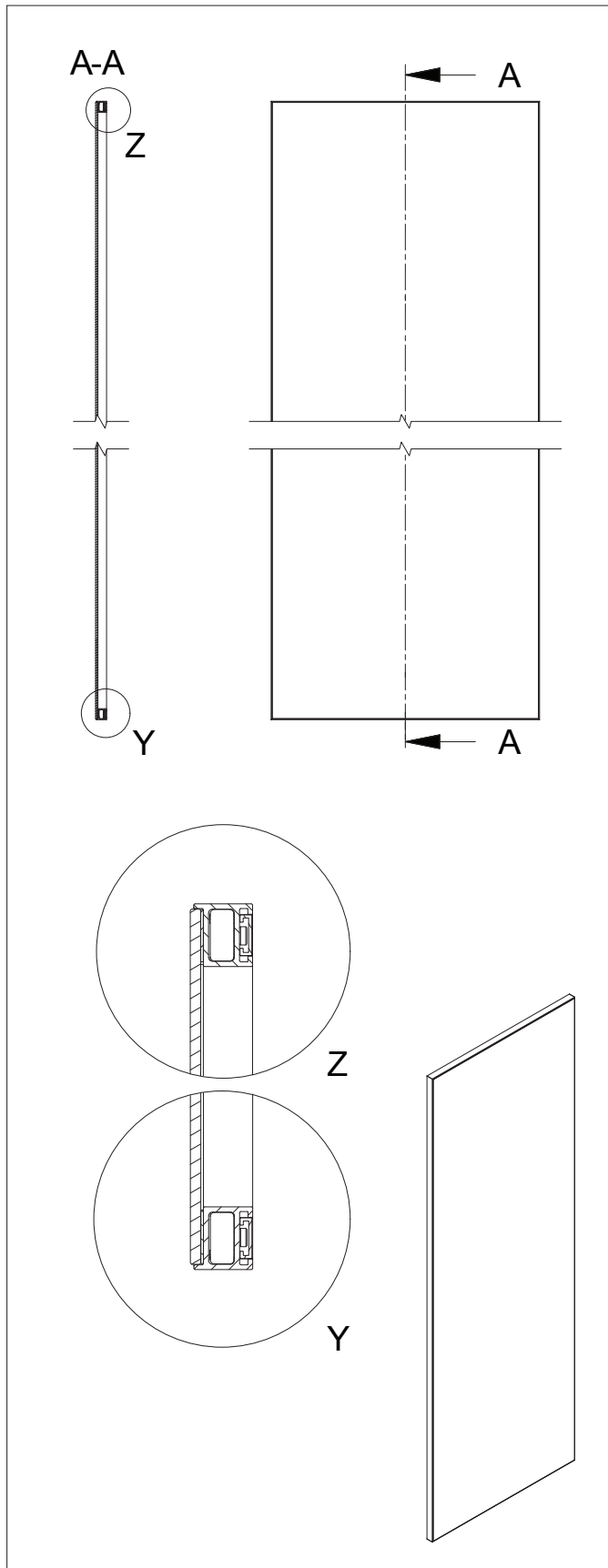
1\_ Inserting the hinge mounting



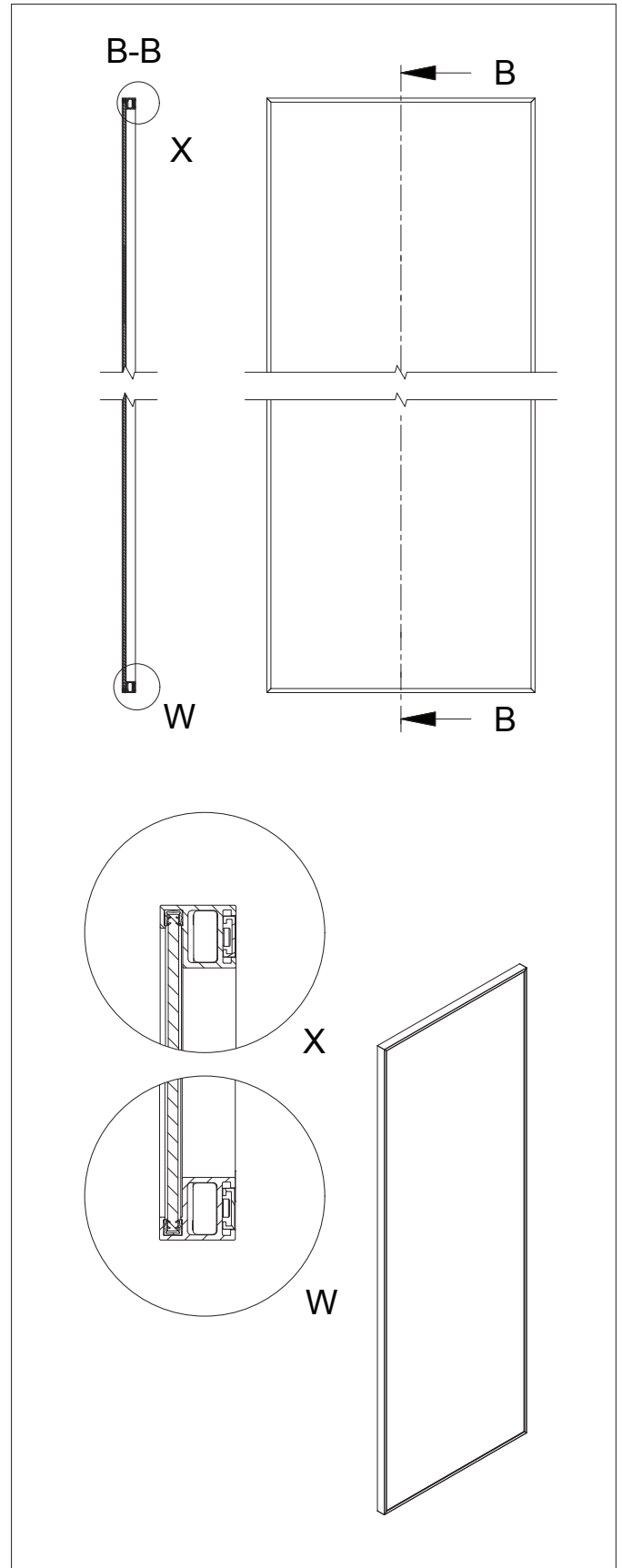
2\_ Inserting the cover profile

# DETAIL DRAWING

VERTICAL SECTION



1\_ RPS 22,5 mm

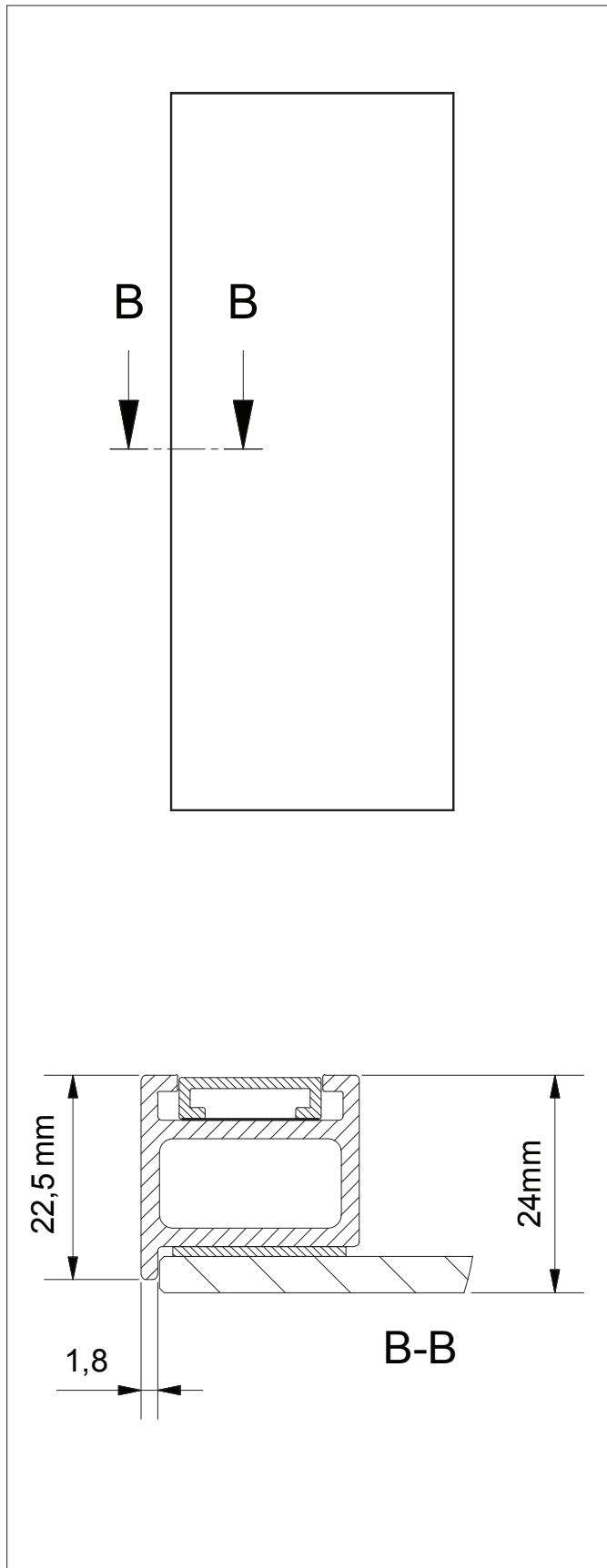


2\_ RPS 29 mm

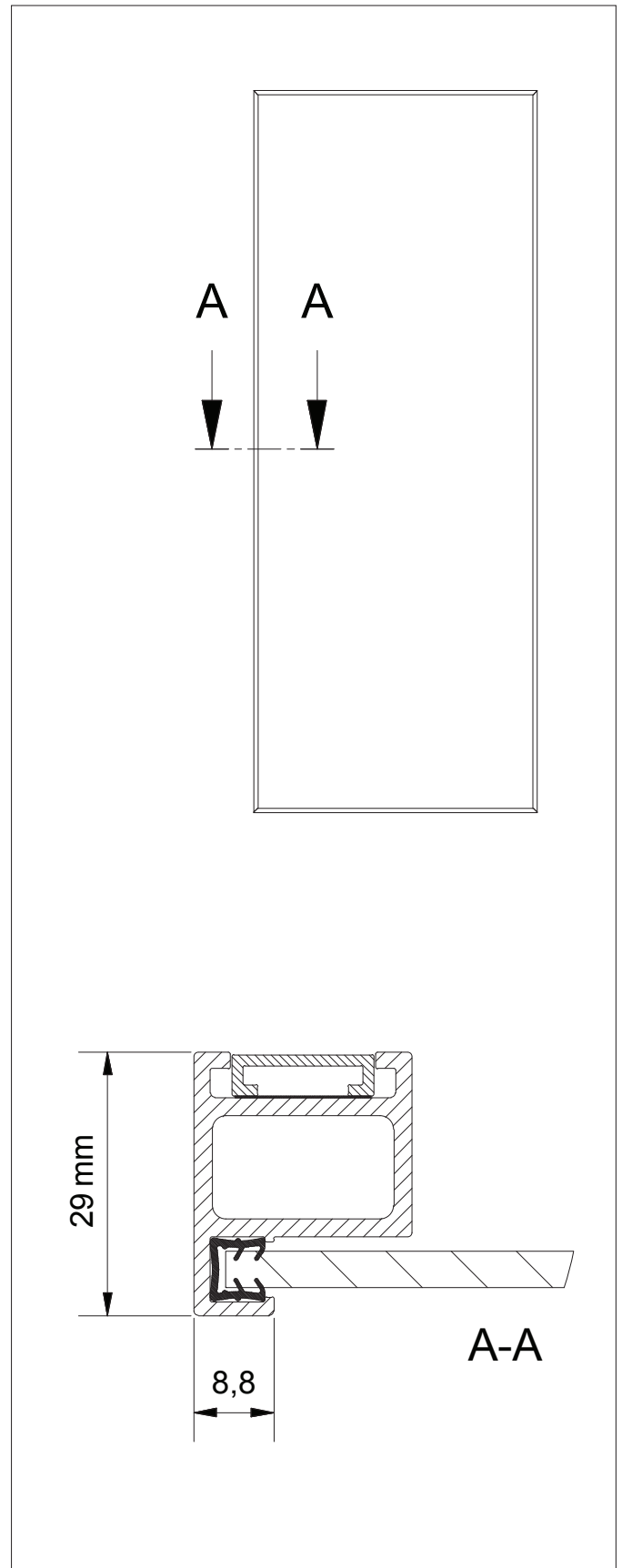


# DETAIL DRAWING

HORIZONTAL SECTION



1\_ RPS 22,5 mm



2\_ RPS 29 mm