

INSTALLATION GUIDE

QuickGuard[®] STANDARD & EXPRESS



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All given dimensions are in mm unless otherwise stated

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1. FOREWORD

This installation guide describes how to assemble QuickGuard Standard fence in general.

For installation of QuickGuard Express –see “QuickGuard Express Installation guide”

2. SPECIAL NOTES

Pay attention to the following special notes in this guide



Important!



A tip!

3. SAFETY PRECAUTIONS

Always use adequate personal safety equipment during installation, e.g. safety goggles and ear protection.

Always use safety goggles and ear protection when cutting aluminum profiles with a hacksaw or mitre saw, and use protection gloves when handling meshes, glass or other material that can have sharp edges.

If the fence isn't bolted to the ground, secure it temporary to prevent it from tipping over.

4. FENCING DESCRIPTION

There are two versions of QuickGuard fencing system available, QuickGuard Standard and QuickGuard Express. Both versions are aluminum systems and can be combined with each other if needed.

The main difference between QuickGuard Standard and QuickGuard Express, is that Standard have a 44x44 profile between the posts and Express have a U-profile in between.

QuickGuard Standard has more possibilities in terms of infill materials and adaptations.

5. GENERAL INSTRUCTIONS

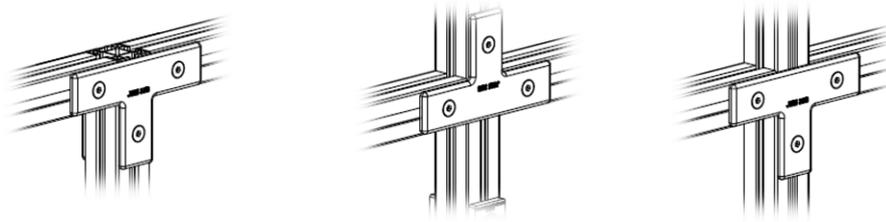
Fixation of the fence to the ground is normally done at the very end. Do not fix the fence to the floor unless vertical profiles (posts) are aligned vertically and parallel to each other.

If possible, start the installation where the fence can stand free, e.g. a corner or where it can be supported temporary to a fixed part.

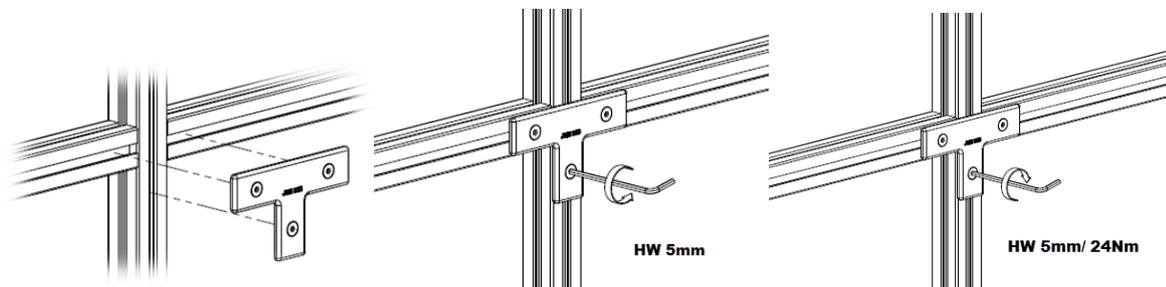
L-brackets are used in corners, end posts, door blade etc.



T-brackets are used when connecting e.g. two horizontal profiles with a post.

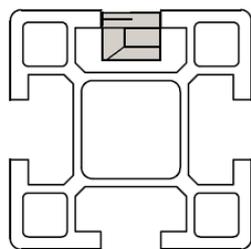


There is no drilling or tapping needed to connect the aluminum profiles, just press the pre-assembled bracket against the profiles and loosen the screw(s) about one turn anti-clockwise. Then tighten the screw clockwise until it's fixed.

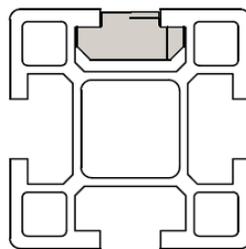


IMPORTANT!

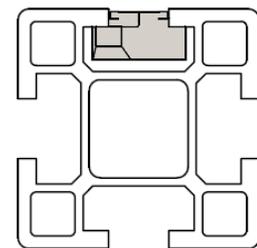
Make sure that hammer nut has turned (90°) into correct position in the aluminum profile.



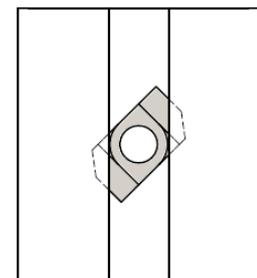
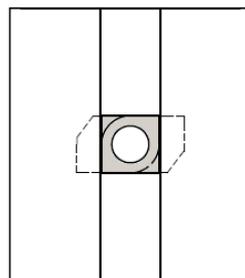
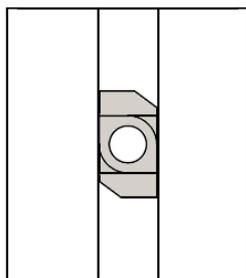
UN-LOCKED POSITION



LOCKED POSITION

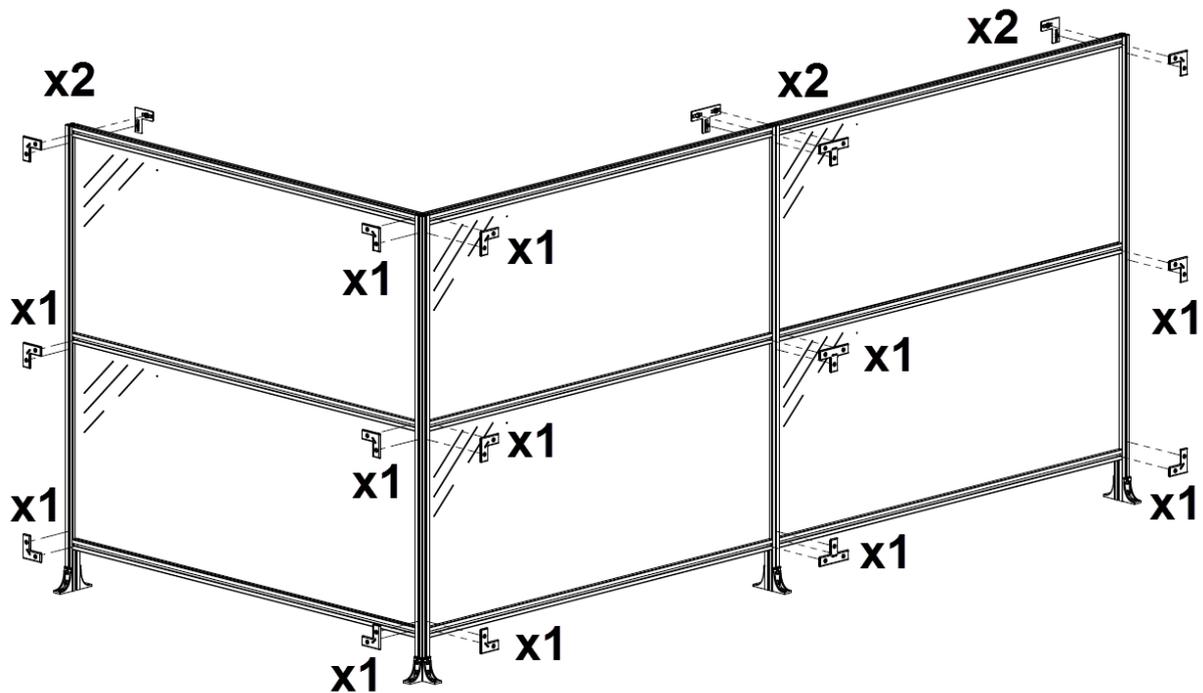


UN-SECURE POSITION



Lower and middle horizontal profile shall be connected to each post with one bracket, normally mounted on the side facing outwards from the machine.

Upper horizontal profile shall be connected to each post with two brackets, one on the inside and one on the outside.



6. MODIFY FENCE

QuickGuard can easily be adapted and modified on site. Aluminum profiles, polycarbonate sheets, steel mesh e.t.c. can easily be cut without using any tools that generate heat (=no fire risk).

Material to be cut	Cutting tool
Aluminum profiles	Hacksaw or Mitre saw (use a special blade for cutting aluminum)
Polycarbonate sheet	Circular saw or jig saw (use a special blade for cutting plastic)
Steel mesh	Bolt clipper
Steel panel	Jig saw (use a special blade for cutting metal)
Sound absorbing panel	Jig saw (use a special blade for cutting metal)

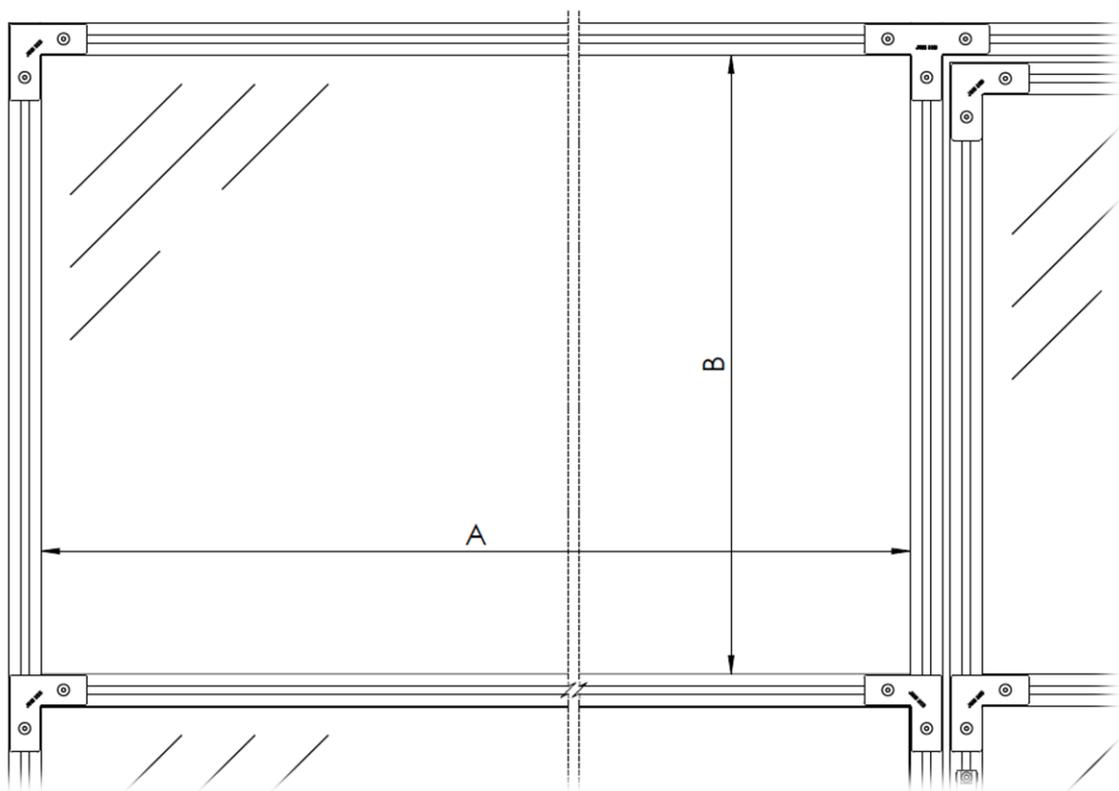
- Avoid tools that can generate heat and cause a fire, e.g. angle grinder.
- Make sure that material to be cut is adequately supported and clamped during the cutting operation.
- Use adequate personal safety equipment.

Cut mesh

When cutting the welded mesh the wire ends should be at least 15 mm or cut flush to the joining wire.

DIMENSION TABLE FOR INFILL MATERIALS

INFILL MATERIAL	WIDTH (MM)	HEIGHT (MM)
Double polycarbonate	A - 7	B - 7
Laminated glass	A + 15	B + 15
Polycarbonate sheet	A + 20	B + 20
Sound absorbing panel 25mm	A - 37	B - 37
Sound absorbing panel 50mm	A - 37	B - 37
Steel panel 1,0mm	A + 20	B + 20
Welded steel mesh	A + 20	B + 20



Example

A polycarbonate sheet shall be cut to fit an opening where A=1500 and B=800.

According to the dimension table the sheet should be 1520 (1500+20) x 820 (800+20).

7. FENCE ASSEMBLING

Assemble framework

STEP 1.

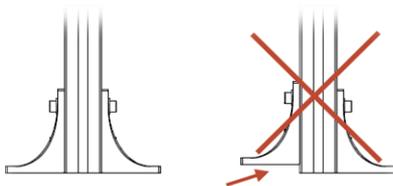
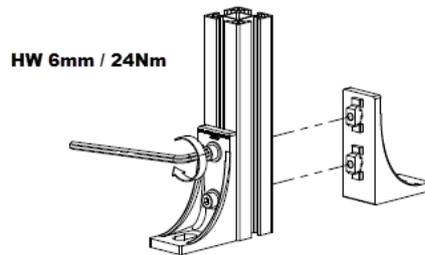
Pre-mount floor brackets on to the post profile according to example pictures below. Make sure that bottom part of the floor bracket aligns with the profile end before tightening the fixation screws. Also, make sure that hammer nuts are positioned correctly inside the profile.



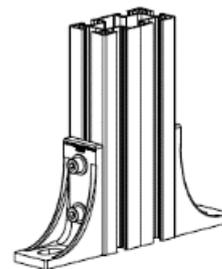
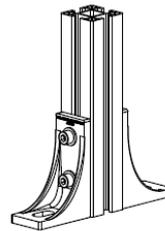
JSM 39-K



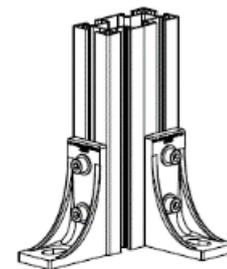
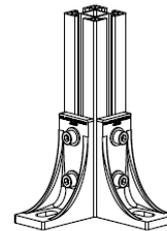
JSM 30B-K



NORMAL POST



CORNER POST

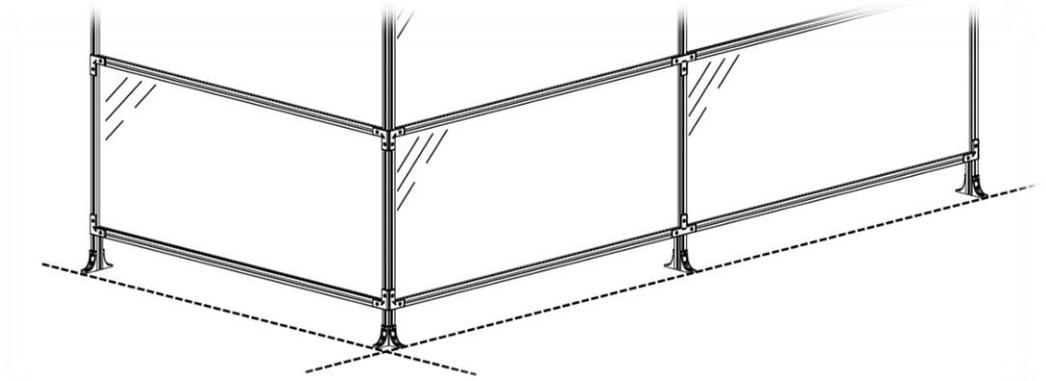


Note!

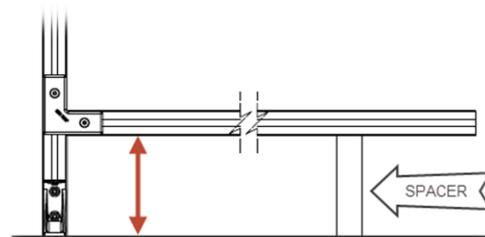
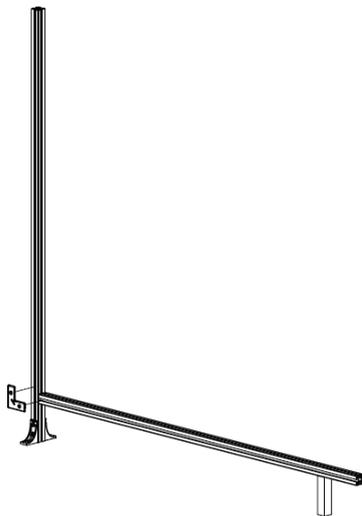
At least two (2) floor brackets shall be used on each post

STEP 2.

Mark where the fence will be installed. Use a chalk line to get a straight line as a reference.

**STEP 3.**

Mount lower horizontal profile on to a post. Make sure that distance between floor and lower part of the horizontal profile is correct, and that hammer nuts are positioned correctly inside the profile.

**Note!**

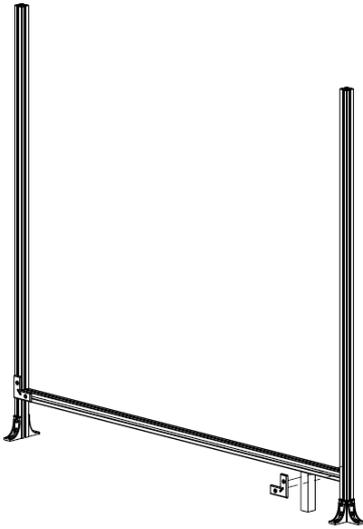
Post must be mounted so that floor brackets are perpendicular to the fence.

TIP!

Use a spacer block to facilitate installation and mount the horizontal profile in correct position.

STEP 4.

Mount next post on to the horizontal profile. Use a spacer block to place the profile in correct position.



STEP 5.Polycarbonate sheet

Tear off a small area of the protective film from both sides of the polycarbonate sheet (fig1), and insert infill material in lower part. Bend the sheet (fig.2) and/or press the post apart to insert the sheet in to the profile T-slot.

Fig.1

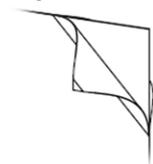


Fig.2

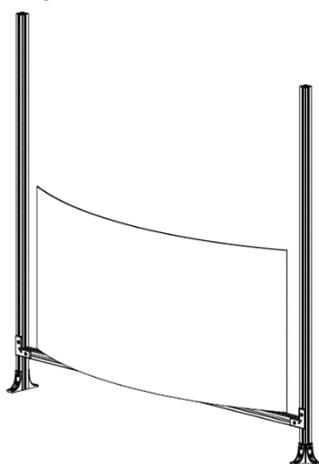
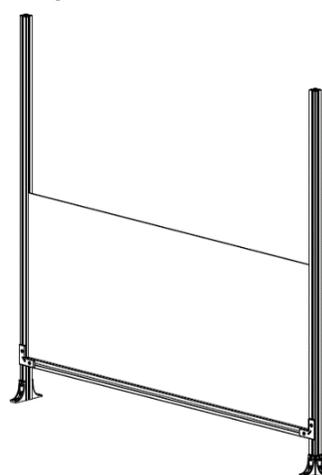


Fig.3

**Tip!**

Leave the protective film on as long as possible to prevent damages on the surface.

Mesh

Bend the mesh and/or press the post apart to insert the mesh in to the profile T-slot. Make sure that the mesh is oriented with the vertical wires facing closest to the outside.

Steel panel

Bend the steel panel and/or press the post apart to insert the mesh in to the profile T-slot. The convex side of the steel panel should be facing outwards.



If steel panel shall be secured with infill securing strip (JSM PL1_) and cellular rubber (JSM G2), cellular rubber have to be mounted on to the steel panel before inserting the steel panel in to the frame work.

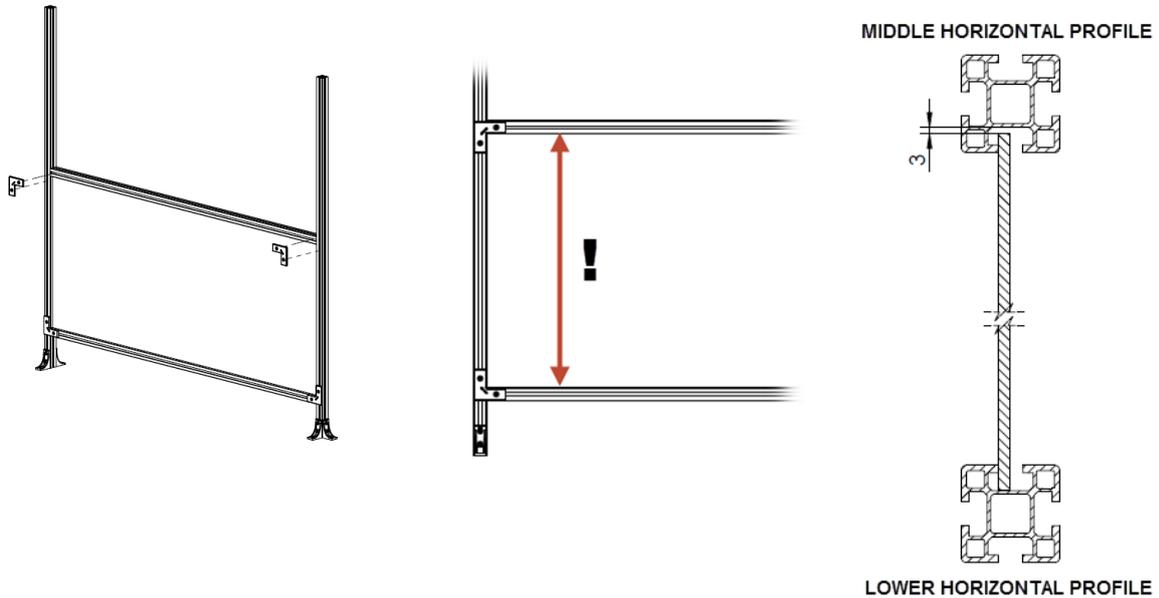
Cellular have to be

Laminated glass 6,4mm

Mount rubberstrip (JSM G3) all around the glass.

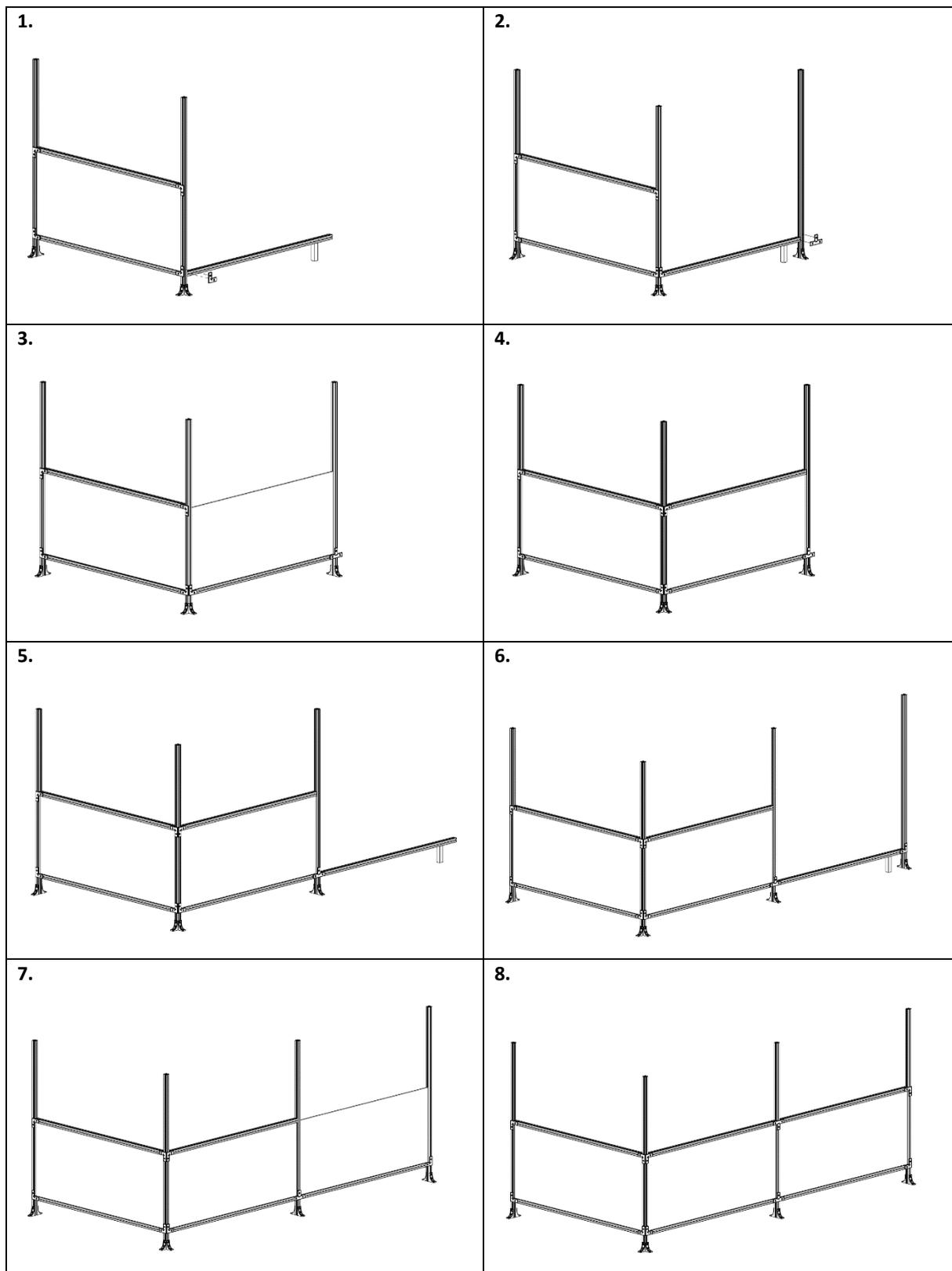
STEP 6.

Place the middle horizontal profile between the posts and press it down against the polycarbonate sheet. Lift the middle horizontal profile ~3mm and fix it with L-brackets. Make sure that distance between the two horizontal profiles are correct. It shall be possible to move the infill material ~3mm vertically and horizontally when profile is fixed.



STEP 7.

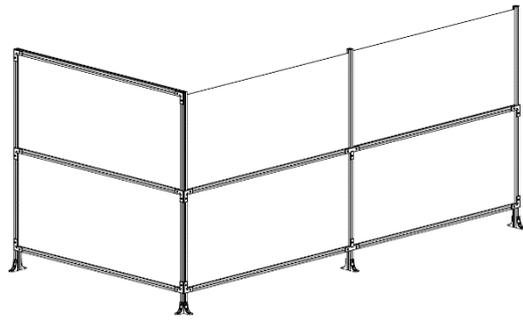
Mount the rest of the fence...



9.



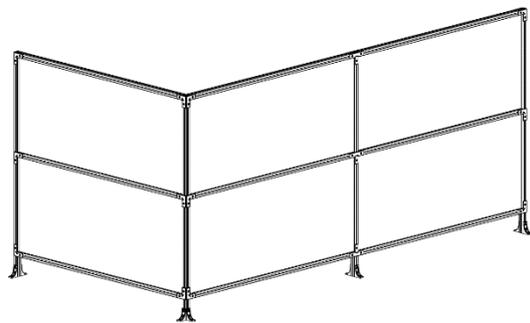
10.



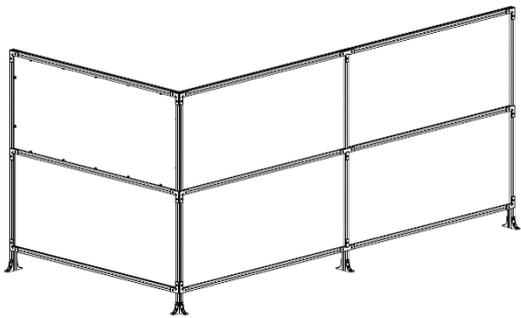
11.



12.

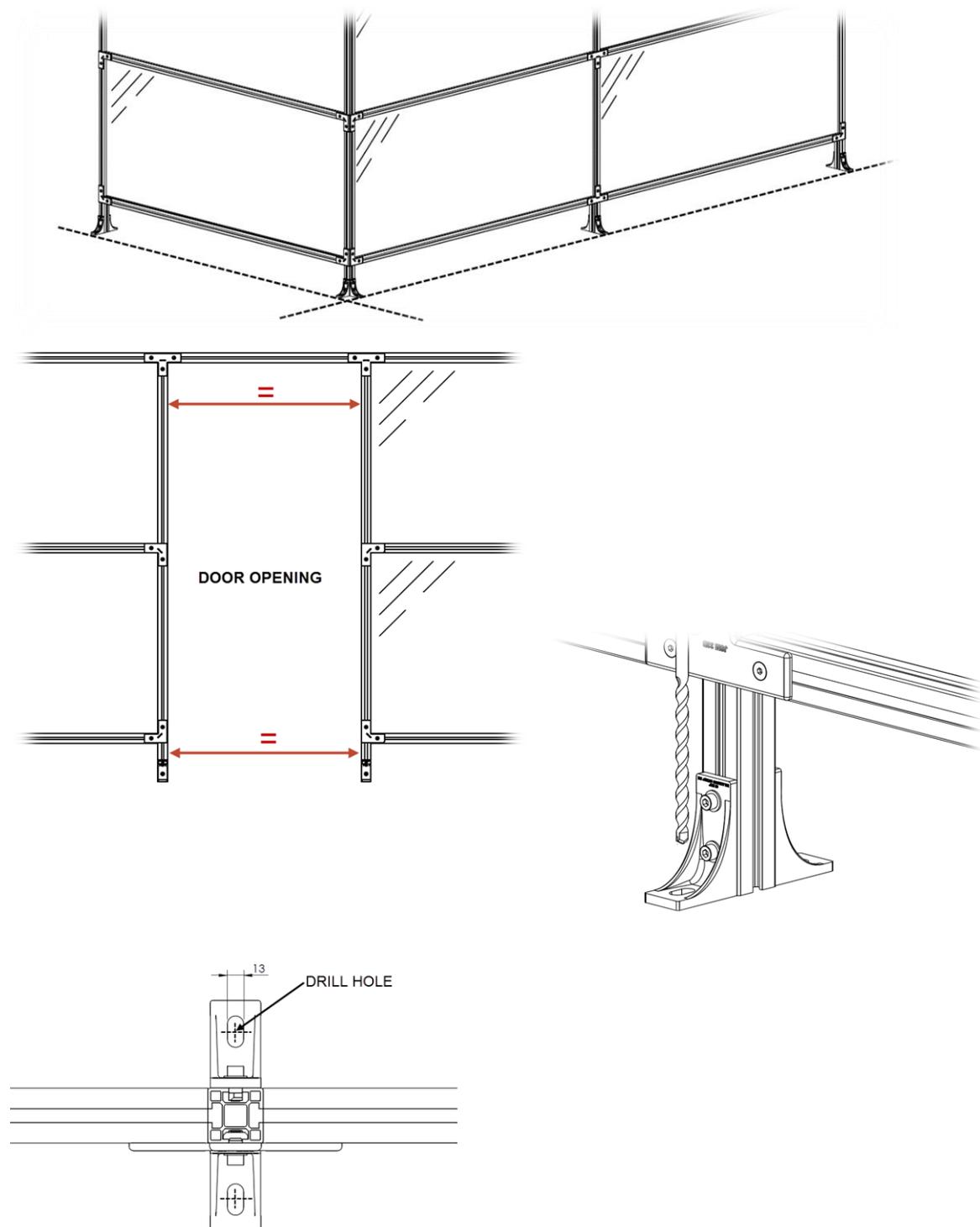


13.



STEP 8.

Position the fence on the floor and make sure that door posts are aligned vertically and parallel to each other before fixing the fence to the floor. Use adequate fixation bolts and center the drill in the fitting holes (fig.1)

**Note!**

Make sure that posts are in line with each other and that door posts are parallel before fixing the fence to the floor.

STEP 9.

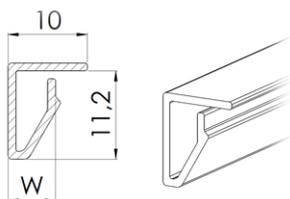
Fixation of infill material

Selection of fixation component

Infill material	JSM PL1_	JSM PL2_	JSM NL3	JSM PL3	JSM G2
Polycarbonate 3mm		●●		+	●●
Polycarbonate 4mm		●		+	
Polycarbonate 5mm	●			+	
Steel mesh 40x40x3,5			●		
Steel panel 1,0mm	●●			+	●●

●	Standard
●●	Standard (combination of securing components)
○	Optional
+	Optional, Strong fixation

JSM PL1_ / -PL2_ Infill securing strip

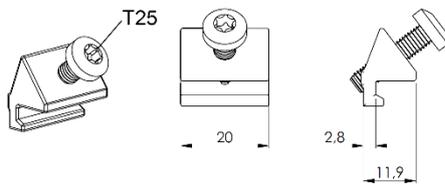


Product W

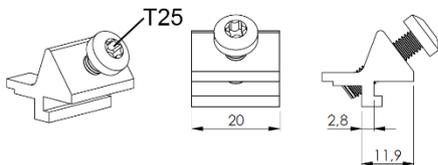
JSM PL1_ 6,5

JSM PL2_ 7,5

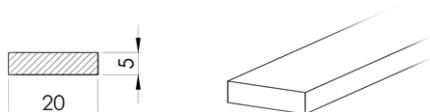
JSM PL3 Panel lock



JSM NL3 Net lock

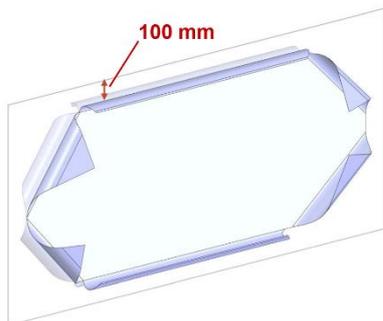


JSM G2 Cellular rubber 5x20mm



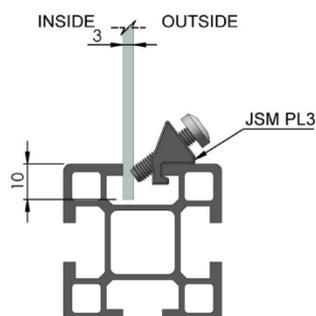
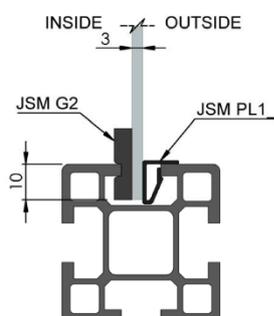
Polycarbonate sheet

Tear and fold up about 100mm of the protective film all around the sheet, on both sides before securing the sheet in the frame work.



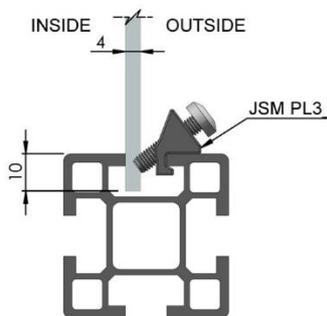
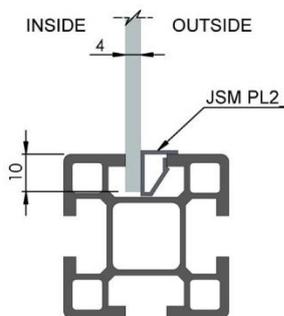
3mm thickness

Use infill securing strip (JSM PL1_) together with cellular rubber (JSM G2) or panel lock (JSM PL3) to secure the sheet in the frame.



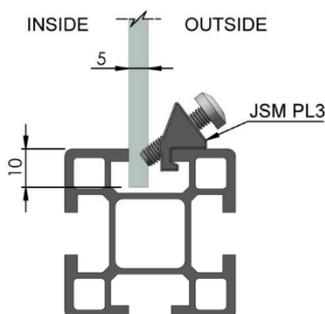
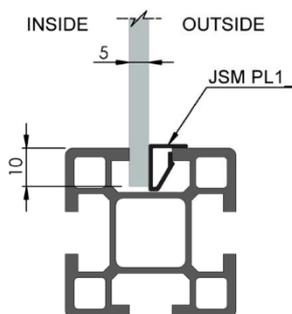
4mm thickness.

Use infill securing strip (JSM PL2_) or panel lock (JSM PL3) to secure the sheet in the frame.



5mm thickness

Use infill securing strip (JSM PL1_) or panel lock (JSM PL3) to secure the sheet in the frame.



Fixation with panel lock JSM PL3

Panel lock JSM PL3 is normally mounted from the outside of the fence, on all four sides. Mount panel lock evenly distributed every 300-400mm starting maximum 250mm from corner (fig 1). Tighten the torx (T25) screw so it penetrates the polycarbonate surface about 2mm, max torque 3Nm.



Use a cordless drill machine with torque control when mounting panel lock.

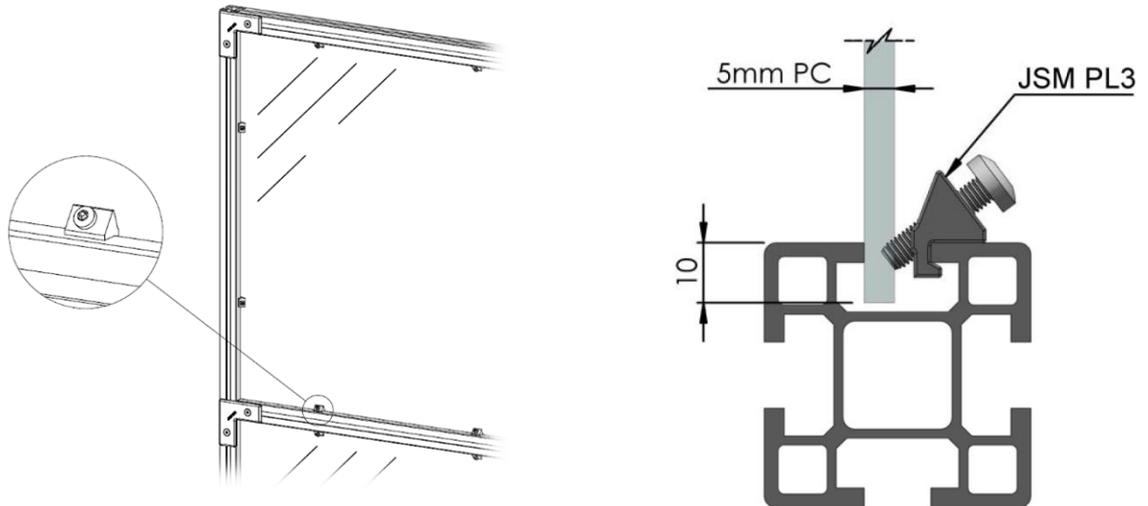
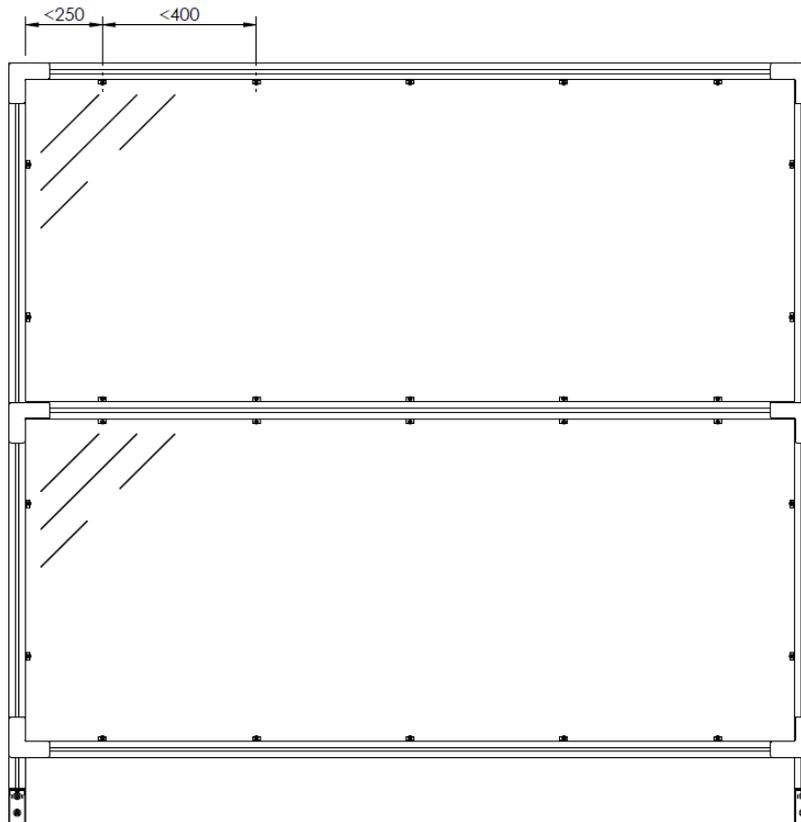


Fig 1

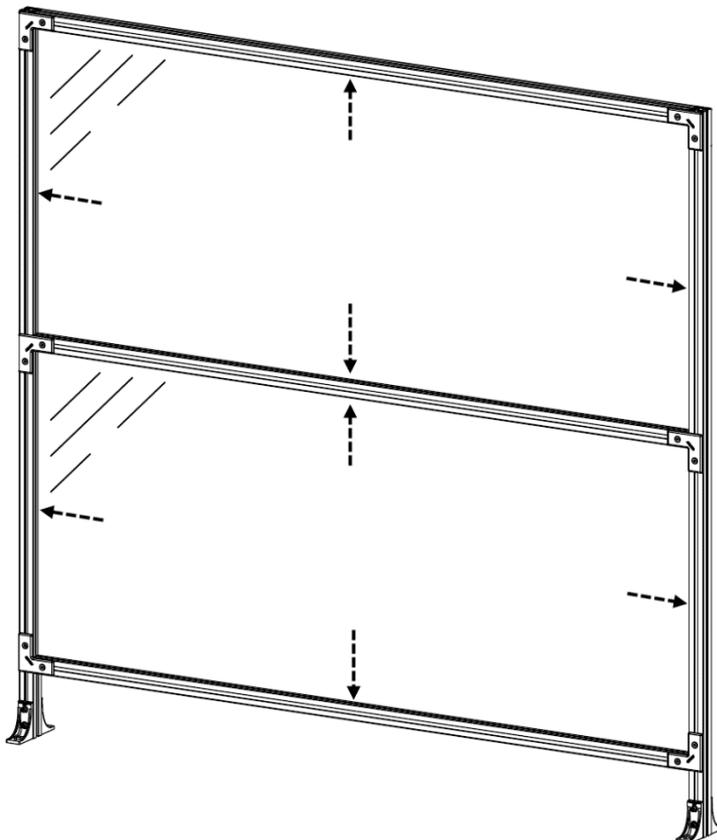
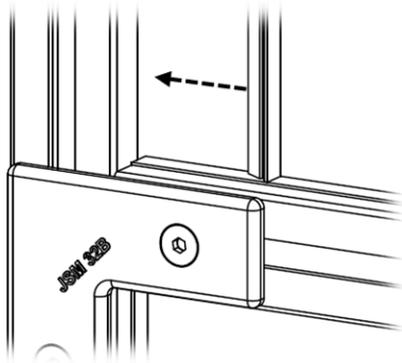
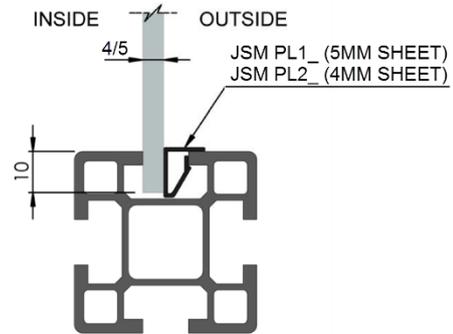


Fixation with infill securing strip JSM PL1_ or JSM PL2_

Infill securing strip JSM PL1_-/PL2_ is normally mounted from the outside of the fence, on all four sides. JSM PL1_-/PL2_ is available in a few pre-cut lengths as listed in table 1 below. Any other length has to be cut on site. Length should be about 2mm shorter than the distance between the connecting profiles.

Table 1

Sheet length	Suitable JSM PL1_-/PL2_ length
754	JSM PL1(2)D L=732
864	JSM PL1(2)A L=842
1174	JSM PL1(2)B L=1152
2020	JSM PL1(2)C L=2000



Laminated glass

The glass is mounted with a u-rubber strip (JSM G3) in the profile groove. Rubber strip should be mounted all around the glass, before the glass are inserted in to the frame work.

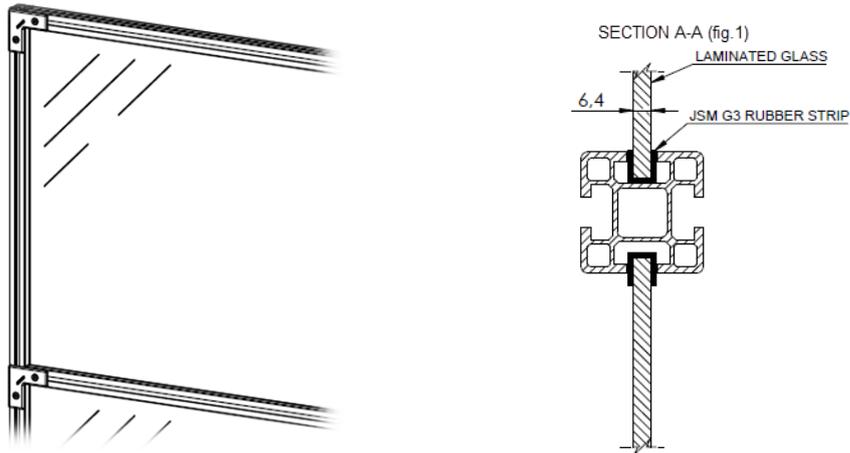
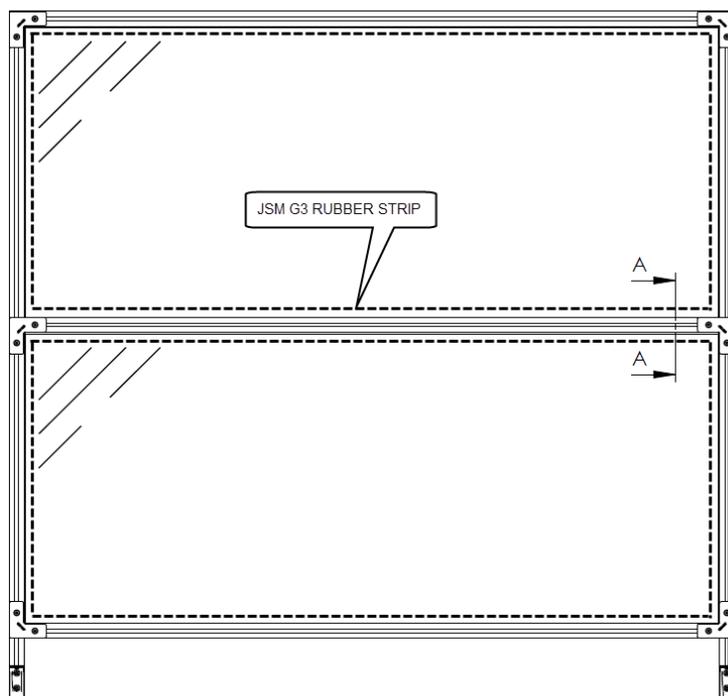


Fig.1



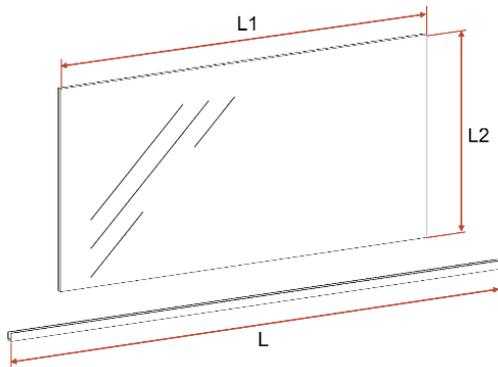
- Use protection gloves.
- Carry the glass upright
- It's recommended to be two persons handling the glass.

Mounting the rubber strip

Step 1

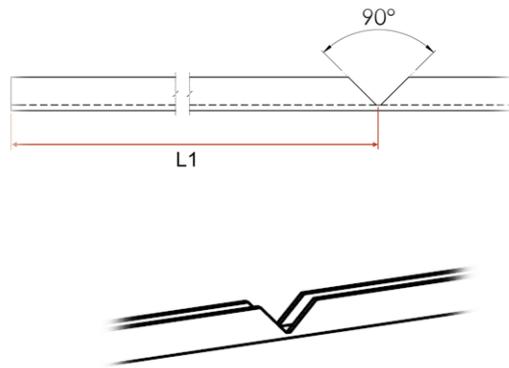
Cut off a length (L) of rubber strip that is as long as the glass perimeter and add an additional 50mm

$$L = (L1 + L2) \times 2 + 50$$



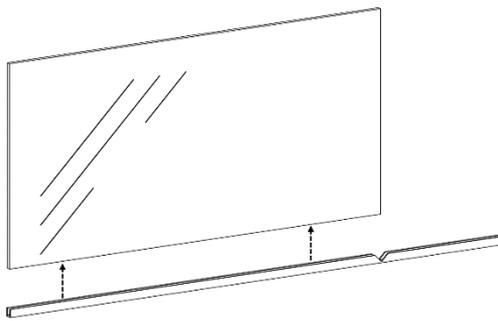
Step 2

Make a 90° V-cut out from the rubber strip



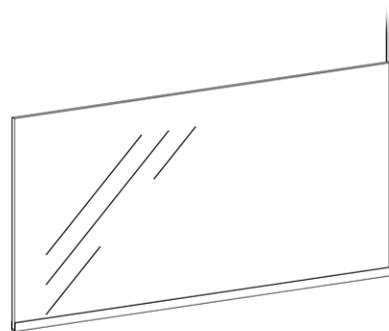
Step 3

Mount the rubber strip on to the edge of the glass.



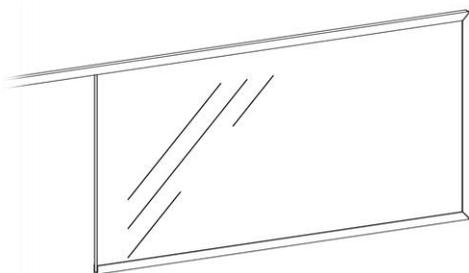
Step 4

Fold the rubber strip and press it on to next edge.



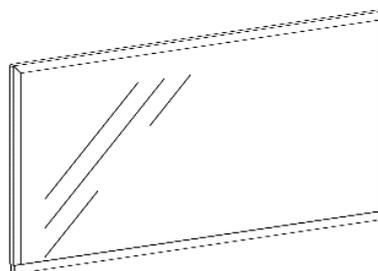
Step 5

Make a new V-cut and press it on to the next edge.



Step 6

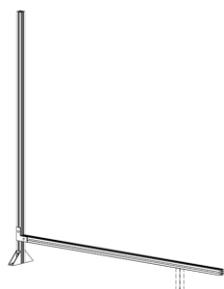
Make the final V-cut and press it on to the last edge.



Mounting laminated glass and sound absorbing panel

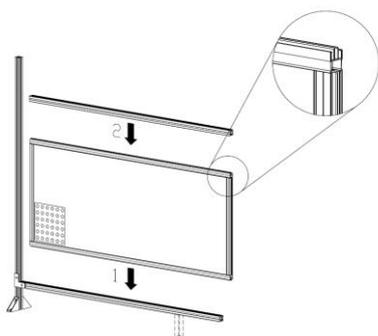
1.

Premount vertical profiles with floor brackets by first loosening the screw anti-clockwise. Then tighten the screw clockwise in the usual way. A spacer between the floor and the lower horizontal profile will make the installation easier.



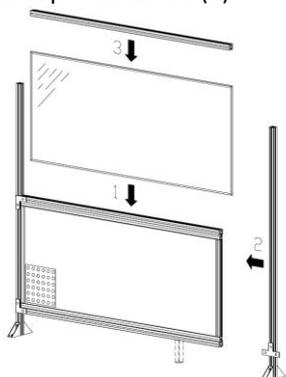
3.

Insert the sound absorbing panel (1) in to the frame and put the horizontal profile above (2). The perforated side of the panel should normally be facing towards the sound source.



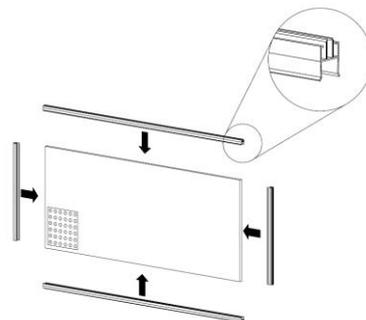
5.

Insert the glass (1) in to the frame and put the upper horizontal profile above (3).



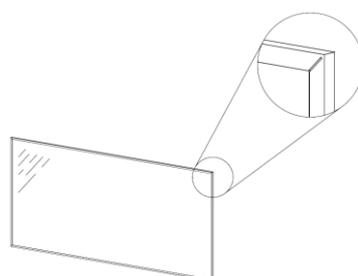
2.

Assemble mounting profile JSM AS1 all around the panel. The profile should be fixed on to the panel. If it's too loose, increase the slot a little by pressing the "walls" together.



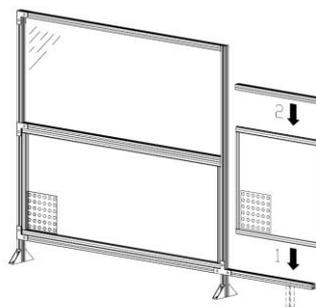
4.

Assemble the U-rubberstrip (JSM G3) all around the glass.



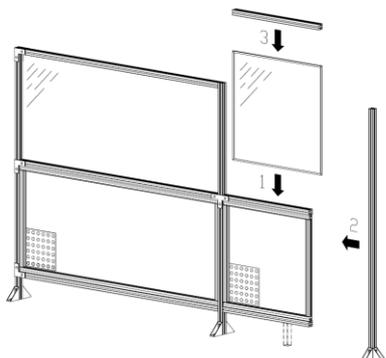
6.

Insert next sound absorbing panel at the same way as described previously, see step 2 and 3 above.

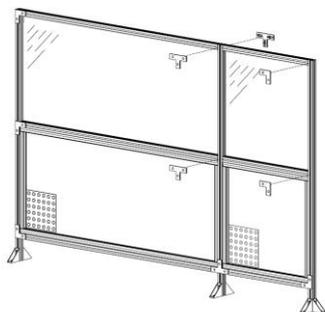


7.

Insert next glass same way as described previously, see step 4 and 5 above.

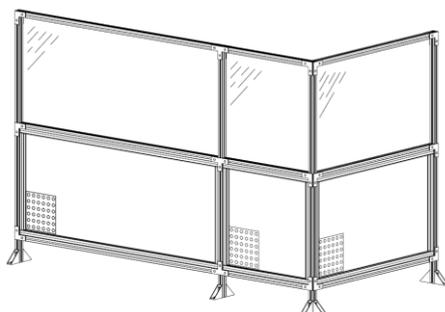
**8.**

Fix the profiles with L- and T-brackets, two brackets on the upper part (inside and outside) if possible, and one bracket on the other parts, normally on the outside.

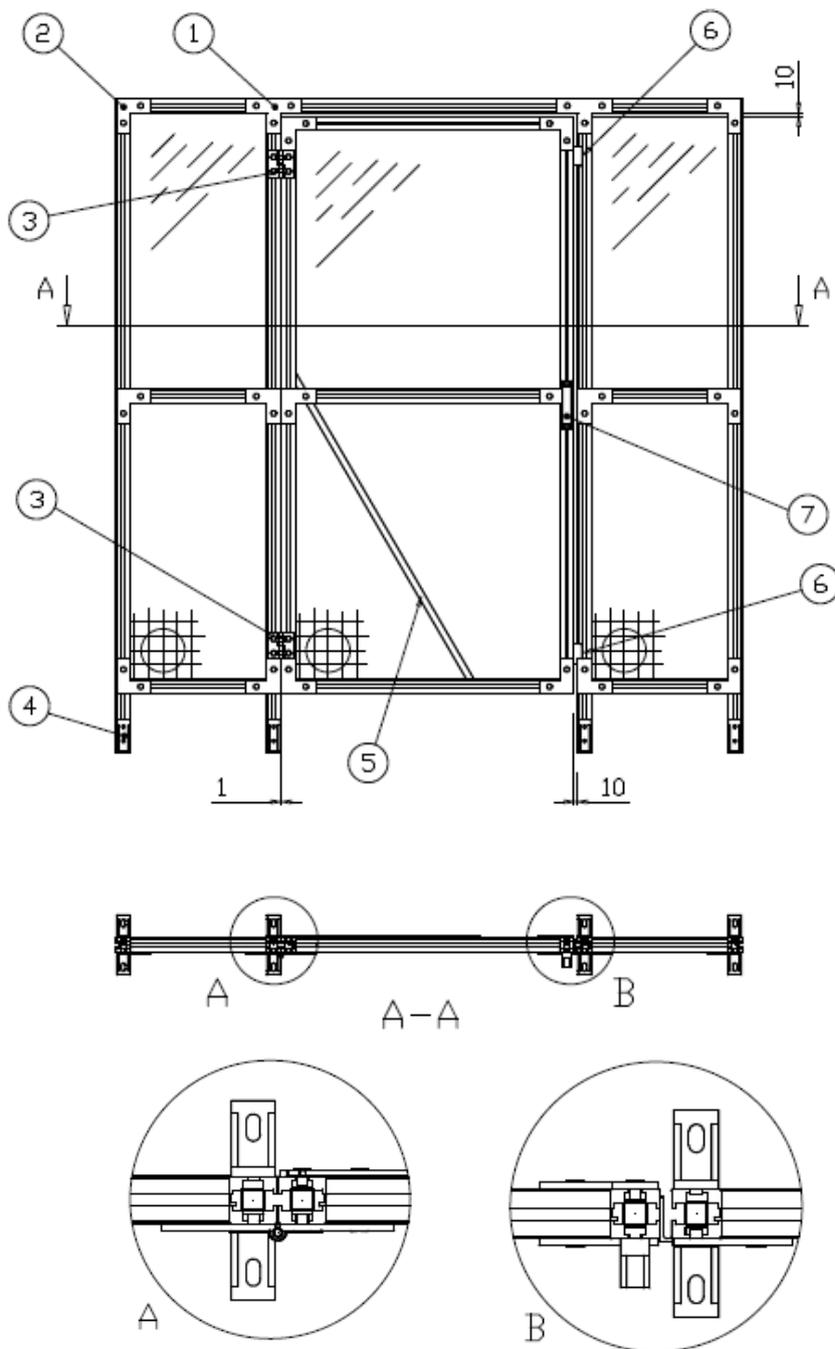
**9.**

Adjust the fence and fix it to the floor with accurate fixations.

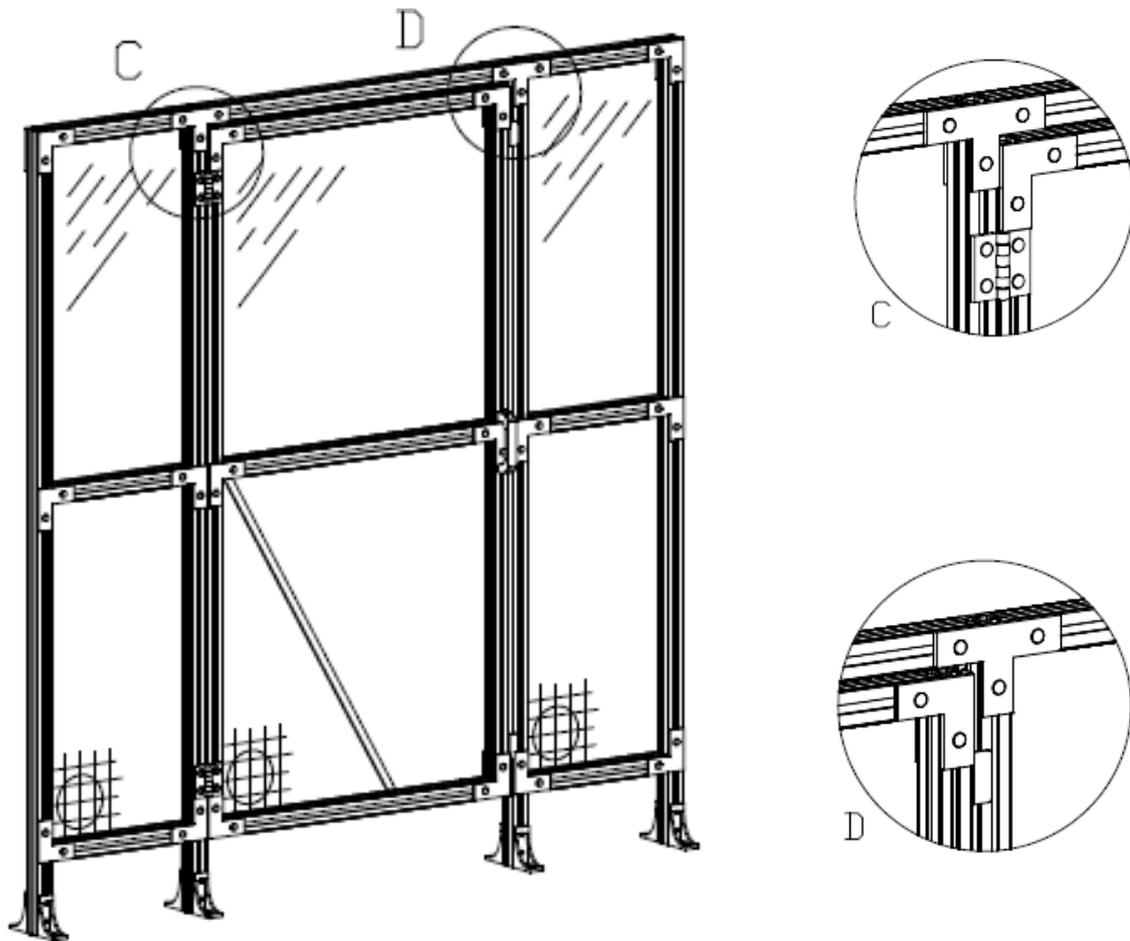
Normally two (2) floor brackets are used per post and then fixed with one (1) bolt per floor bracket. If only one (1) floor bracket is used per post, both (2) fixation holes must be used.



Assembly of conventional door.



Pos.	Order code	Description
1	2TLA040030R0800	JSM 33B-K T-bracket premounted
2	2TLA040030R0700	JSM 32B-K L-bracket premounted
3	2TLA040033R4800	JSM D1C Hinge
4	2TLA040030R1400	JSM 39-K Floor/angle bracket
5	2TLA040033R2800	JSM D14 Crossbar
6	2TLA040033R2600	JSM D13A Doorstop angular
7	2TLA040033R0100	JSM D2 Handle



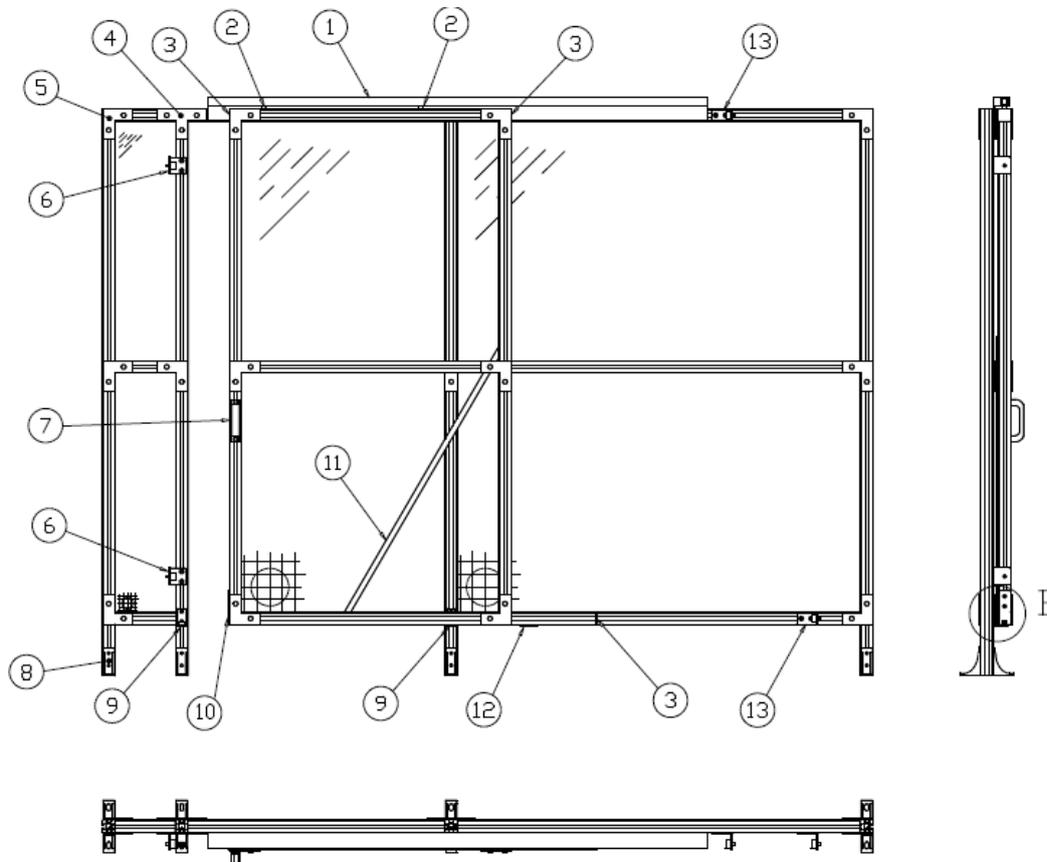
- 1)** Install and fix fence to ground. Mount L- and T-brackets (JSM 32B-K & JSM 33B-K) on both sides of the fence on the top. Make sure the door posts are parallel to each other before fixing them to the ground.

- 2)** Premount the door. Mount L-brackets (JSM 32B-K) on both sides on corners.

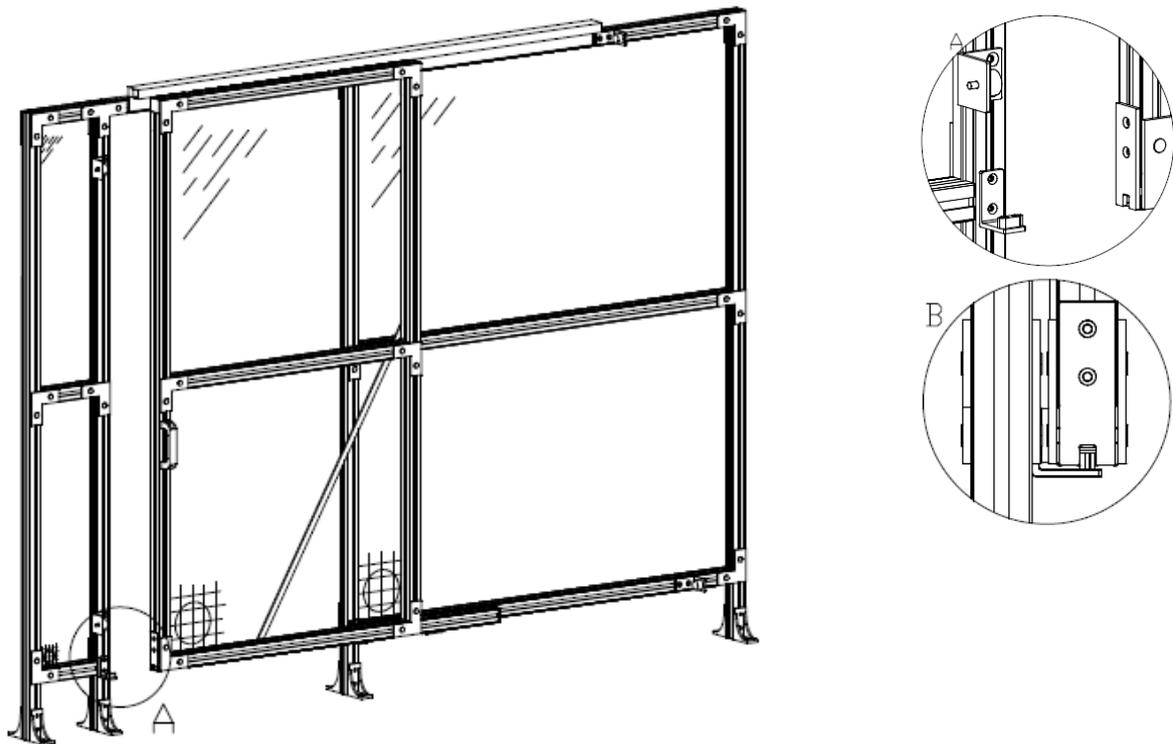
- 3)** Open the hinges for access to the screws. Put the door on the ground in the opening and mount the hinges onto the fence. Make sure that nuts turn out correctly and lift the door to correct height and then tighten the screws,

- 4)** Mount door stops (JSM D13A) and eventual safety switches.

Assembly of sliding door.



Pos.	Order code	Description
1	2TLA040037R4900	JSM A56 Guiding rail incl. accessories
2	2TLA040033R0400	JSM D5 Suspension wheel
3	2TLA040034R0300	JSM L1B Endcap 44x44 grey
4	2TLA040030R0800	JSM 33B-K T-bracket
5	2TLA040033R0700	JSM 32B-K L-bracket
6	2TLA040033R2500	JSM D13 Doorstop with vibration damper vertical
7	2TLA040033R0100	JSM D2 Handle
8	2TLA040030R1400	JSM 39B-K Floorbracket
9	2TLA040033R2200	JSM D12 Guiding pin for sliding door vertical
10	2TLA040033R2400	JSM D12B Guiding bracket for guiding pin
11	2TLA040033R2800	JSM D14 Crossbar for door 20x5 L=1160
12	2TLA040033R2300	JSM D12A Guiding pin for sliding door horizontal
13	2TLA040033R2700	JSM D13B Doorstop with vibration damper horizontal



1) Install and fix fence to ground. Mount L- and T-brackets (JSM 32B-K & JSM 33B-K) on both sides of the fence on the top. Make sure the door posts are parallel to each other before fixing them to the ground.

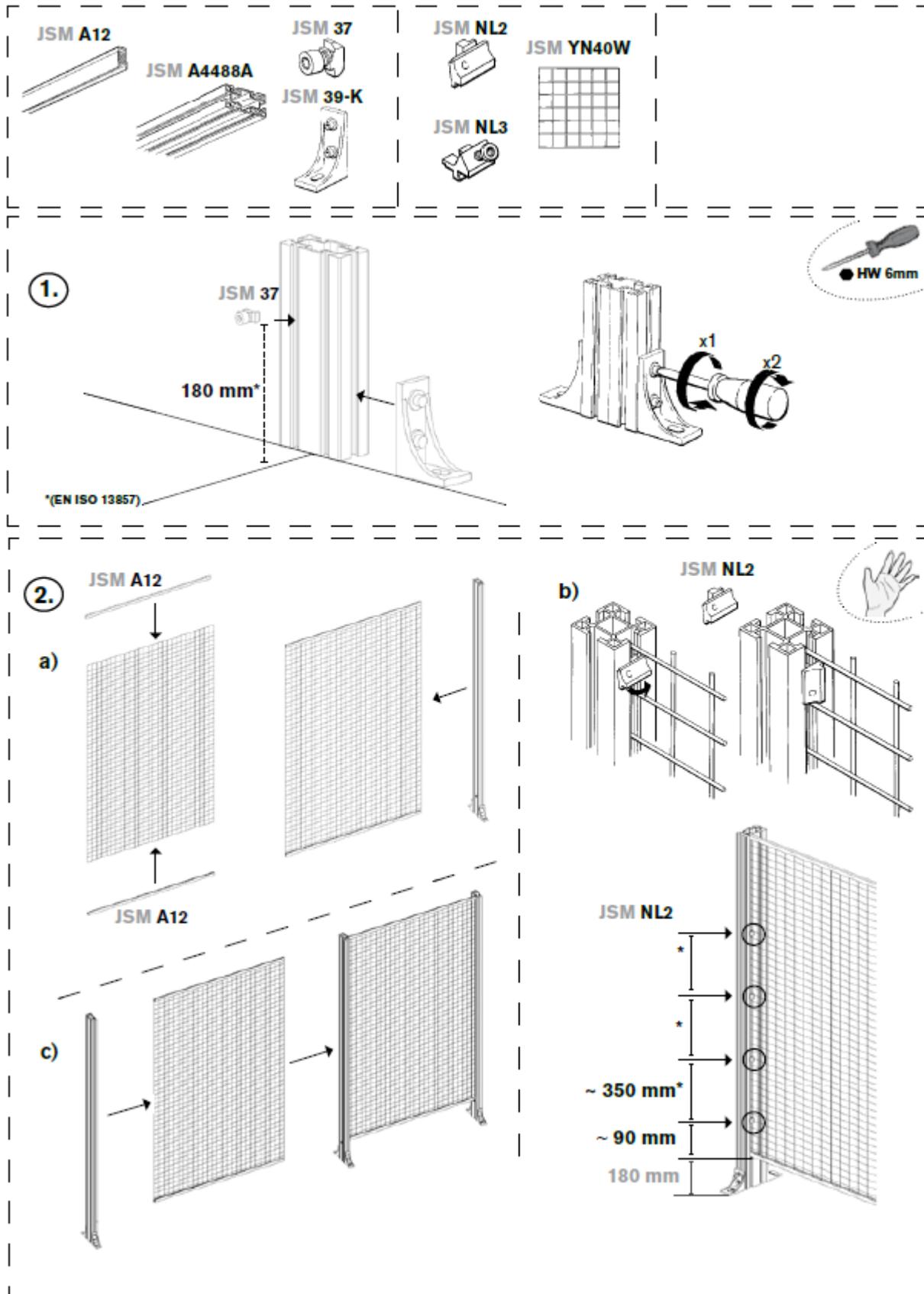
2) Premount the sliding door. Slide in the suspension wheels (JSM D5) into the 44x44 profile before putting on the endcaps (JSM L1B). Mount L-brackets (JSM 32B-K) on both sides on corners.

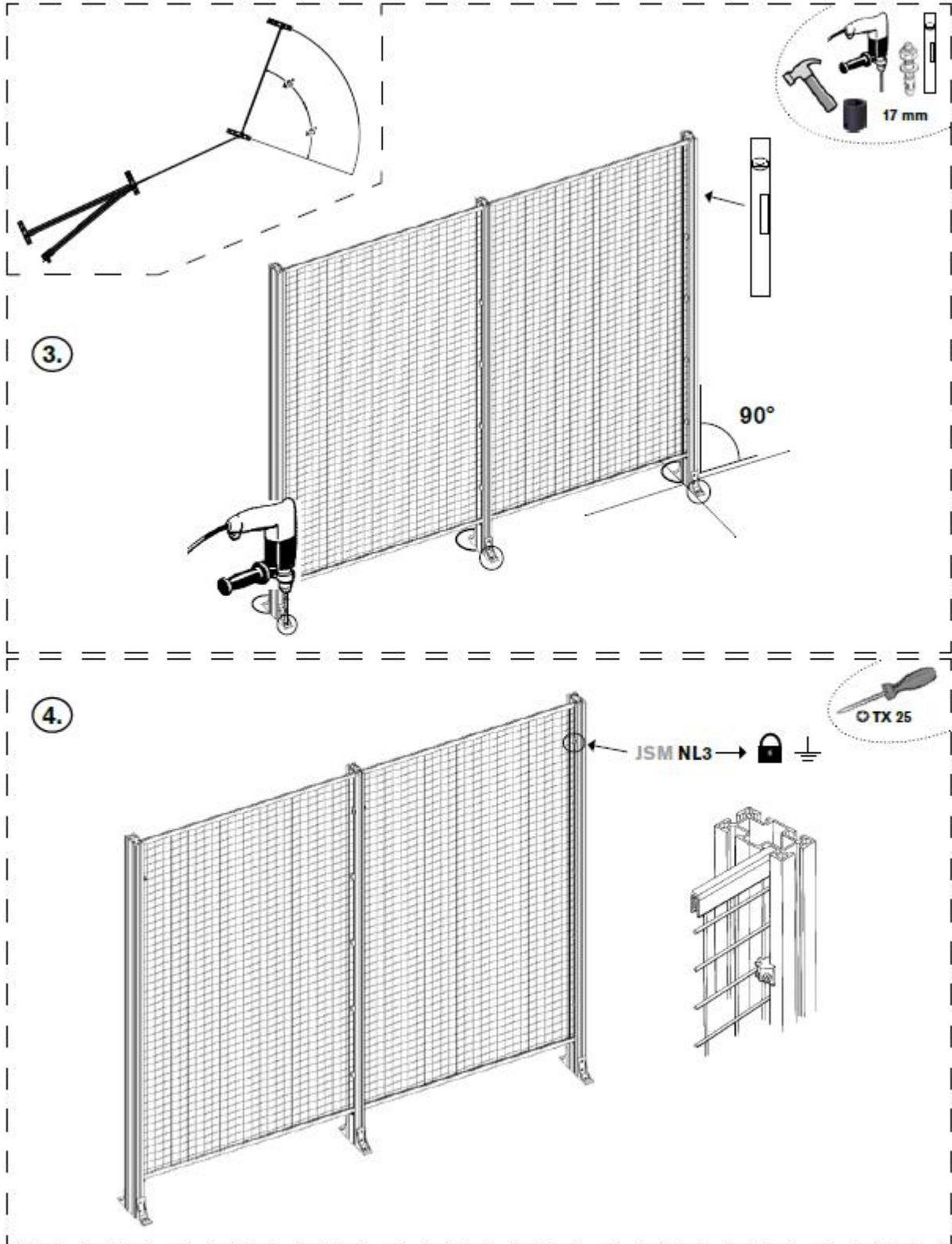
3) Mount guiding components (JSM D12 & JSM D12A) onto the fence.

4) Take the premounted door blade and slide it in to the guiding rail and guiding components.

5) Mount door stops (JSM D13 & JSM D13B) and eventual safety switches.

8. QUICK GUARD-EXPRESS ASSEMBLY





9. CLEANING AND MAINTENANCE

Cleaning

Aluminium profiles (anodized)

- Use a mild neutral detergent (pH 6-8) and/or water

Polycarbonate sheets

- Use a mild soap solution and a soft cloth.
- Do not use abrasive or highly alkaline cleaners.
- Never scrape the sheet with squeegees, razor blades or other sharp instruments.
- Do not clean sheet in hot sun or at elevated temperatures as this can lead to staining.

10. TECHNICAL DATA

Product	Material	Weight
JSM A44A	6060F22	1,504
JSM A4488A	6060F22	2,379
JSM 8888	6060F22	3,632
JSM YNW40_	Steel mesh	3,5
JSM YPC5_	Polycarbonate	6,0 kg/m ²