Installation guide
Quick-Guard® Standard & Express
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All given dimensions are in mm unless otherwise stated

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2. **FOREWORD**

This installation guide describes how to assemble Quick-Guard Standard fence in general.

For installation of Quick-Guard Express –see “Quick-Guard Express Installation guide”

3. **SPECIAL NOTES**

Pay attention to the following special notes in this guide

- **Important!**
- **A tip!**

4. **SAFETY PRECAUTIONS**

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

Always use safety googles and ear protection when cutting aluminum profiles with a 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.

5. **FENCING DESCRIPTION**

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

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

Quick-Guard Standard has more possibilities in terms of infill materials and adaptations.

6. **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 were the fence can stand free, e.g. a corner or were 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.
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.

7. MODIFY FENCE

Quick-Guard 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).

<table>
<thead>
<tr>
<th>Material to be cut</th>
<th>Cutting tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum profiles</td>
<td>Mitre saw (use a special blade for cutting aluminum)</td>
</tr>
<tr>
<td>Polycarbonate sheet</td>
<td>Circular saw or jig saw (use a special blade for cutting plastic)</td>
</tr>
<tr>
<td>Steel mesh</td>
<td>Bolt clipper</td>
</tr>
<tr>
<td>Steel panel</td>
<td>Jig saw (use a special blade for cutting metal)</td>
</tr>
<tr>
<td>Sound absorbing panel</td>
<td>Jig saw (use a special blade for cutting metal)</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>INFILL MATERIAL</th>
<th>WIDTH (MM)</th>
<th>HEIGHT (MM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double polycarbonate</td>
<td>A - 7</td>
<td>B - 7</td>
</tr>
<tr>
<td>Laminated glass</td>
<td>A + 15</td>
<td>B + 15</td>
</tr>
<tr>
<td>Polycarbonate sheet</td>
<td>A + 20</td>
<td>B + 20</td>
</tr>
<tr>
<td>Sound absorbing panel 25mm</td>
<td>A - 37</td>
<td>B - 37</td>
</tr>
<tr>
<td>Sound absorbing panel 50mm</td>
<td>A - 37</td>
<td>B - 37</td>
</tr>
<tr>
<td>Steel panel 1,0mm</td>
<td>A + 20</td>
<td>B + 20</td>
</tr>
<tr>
<td>Welded steel mesh</td>
<td>A + 20</td>
<td>B + 20</td>
</tr>
</tbody>
</table>

**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).
8. FENCE ASSEMBLING

Asssemble 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.

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.

**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...

1.

2.

3.

4.

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6.

7.

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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

<table>
<thead>
<tr>
<th>Infill material</th>
<th>JSM PL1_</th>
<th>JSM PL2_</th>
<th>JSM NL3</th>
<th>JSM PL3</th>
<th>JSM G2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polycarbonate 3mm</td>
<td>●●</td>
<td>+</td>
<td>●●</td>
<td>+</td>
<td>●●</td>
</tr>
<tr>
<td>Polycarbonate 4mm</td>
<td>●</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>●●</td>
</tr>
<tr>
<td>Polycarbonate 5mm</td>
<td>●</td>
<td>●●</td>
<td>+</td>
<td>+</td>
<td>●●</td>
</tr>
<tr>
<td>Steel mesh 40x40x3,5</td>
<td>●</td>
<td>●●</td>
<td>+</td>
<td>+</td>
<td>●●</td>
</tr>
<tr>
<td>Steel panel 1,0mm</td>
<td>●●</td>
<td>+</td>
<td>●●</td>
<td>+</td>
<td>●●</td>
</tr>
</tbody>
</table>

- 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.
**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>
<thead>
<tr>
<th>Sheet length</th>
<th>Suitable JSM PL1/-PL2 length</th>
</tr>
</thead>
<tbody>
<tr>
<td>754</td>
<td>JSM PL1(2)D L=732</td>
</tr>
<tr>
<td>864</td>
<td>JSM PL1(2)A L=842</td>
</tr>
<tr>
<td>1174</td>
<td>JSM PL1(2)B L=1152</td>
</tr>
<tr>
<td>2020</td>
<td>JSM PL1(2)C L=2000</td>
</tr>
</tbody>
</table>
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.

- 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

\[ L = (L_1 + L_2) \times 2 + 50 \]

**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.

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

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.

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

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

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.

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

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

5) Mount door stops (JSM D13 & JSM D13B) and eventual safety switches.
9. QUICK GUARD-EXPRESS ASSEMBLY

1. JSM 37

2. a) JSM A12
   b) JSM NL2
   c) JSM A12

*EN ISO 11857*
10. 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.

11. TECHNICAL DATA

<table>
<thead>
<tr>
<th>Product</th>
<th>Material</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSM A44A</td>
<td>6060F22</td>
<td>1,504</td>
</tr>
<tr>
<td>JSM A4488A</td>
<td>6060F22</td>
<td>2,379</td>
</tr>
<tr>
<td>JSM 8888</td>
<td>6060F22</td>
<td>3,632</td>
</tr>
<tr>
<td>JSM YNW40_</td>
<td>Steel mesh</td>
<td>3,5</td>
</tr>
<tr>
<td>JSM YPC5_</td>
<td>Polycarbonate</td>
<td>6,0 kg/m²</td>
</tr>
</tbody>
</table>