Measure doorway and calculate door leaf size **without vertical door jambs**
see pages 2 - 14

Measure doorway and calculate door leaf size **with vertical door jambs**
see pages 15 - 30
Advised joint dimensions - **without** vertical door jambs

For thicker door leafs, you have to recalculate the left and right joint dimensions in relation to the pivot axis distance.
Calculate single door leaf size
Step 1: Measure fully finished doorway with electronic laser
Step 2: Calculate maximum rectangular surface

To calculate the maximum rectangular surface (=grey area), add the smallest dimensions in width and height.

Grey area = 2597mm x 996mm
(700+1897 x 496+500)

Advised joint dimensions (mm)
For door leaves up to 50 mm. For thicker door leaves or panels, you have to recalculate the left and right joint dimensions in relation to the pivot axis distance.

<table>
<thead>
<tr>
<th></th>
<th>top</th>
<th>bottom</th>
<th>left</th>
<th>right</th>
</tr>
</thead>
<tbody>
<tr>
<td>custom</td>
<td>12.5</td>
<td>11</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>6530</td>
<td>12.5</td>
<td>11</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>5045</td>
<td>12.5</td>
<td>11</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>glass</td>
<td>12.5</td>
<td>11</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>
Step 3: Calculate door leaf size

The maximum rectangular surface will be used to calculate the door leaf size.

NOTE: the position of the hinge can influence the final door leaf size (see page 6 - right hinge setup)

Subtract the advised minimum joint dimension from the maximum rectangle (AxB).

**Left hinge setup**

Door leaf height = \( A - (11 + 12.5) \)

Door leaf width = \( B - (5 + 5) \)

So in this example:

- 2597 - 23.5 = 2573.5 mm (door leaf height)
- 996 - 10 = 986 mm (door leaf width)
For the optional magnets or 1-way parts, you need to keep 12.5mm of space at the top.

The 2.5mm gap between top hinge and ceiling can be removed in different ways. See door installation manual for more info.

The bottom hinge doesn't need any adjustments in this situation.
In this example situation, the top hinge doesn't need any adjustments.

However, the optional 1-way part will need spacers.

See door installation manual for more information.
There are 2 options to clear the 2.0 mm gap between the bottom hinge and the floor.

Option 1:
Adjust the hinge position or add shims under the hinge (see door installation manual).

Option 2:
Add 2.0 mm to the door leaf in height.

This leaves 9.0 mm clearance at the other end. (Make sure to always keep at least 5.0 mm clearance between door leaf and floor)
Subtract the advised minimum joint dimensions from the maximum rectangle (AxB).

Option 1:
Door leaf height = A - (11 + 12.5)
Door leaf width = B - (5 + 5)

Option 2:
Door leaf height = A - (11 + 12.5) + 2
Door leaf width = B - (5 + 5)

So in this example:
Door leaf height = 2597 - 23.5 = 2573.5 mm
Door leaf width = 996 - 10 = 986 mm

So in this example:
Door leaf height = 2597 - 23.5 + 2 = 2575.5 mm
Door leaf width = 996 - 10 = 986 mm
Calculate double door leaf size
Step 1: Measure fully finished doorway with electronic laser
Step 2: Calculate maximum rectangular surface

To calculate the maximum rectangular surface (=grey area), add the smallest dimensions in width and height.

Grey area = 2596mm x 2001mm
(698+1898 x 901+1100)
Step 3: Calculate door leaf size

The maximum rectangular surface will be used to calculate the door leaf size.

Subtract the advised minimum joint dimension from the maximum rectangle (AxB).

You also need a 6 mm gap in between both door leafs, so subtract 3mm in width from each leaf.

If needed: hinges, optional magnets and 1-way parts need spacers to clear any existing gaps (see door installation manual).

You cannot increase the door leaf height instead of using spacers, as this will result in unequal door leaf sizes!

Door leaf height = A - (11 + 12.5) = 2572.5 mm
Door leaf width = (B/2) - 5 - 3 = 992.5 mm
Check obstructions

Check available space at various locations between door leaf and floor / ceiling.

Check for other possible obstructions like plinths, lights, vents, airco, ...
Solid or reinforced ceiling required!

Verify depth for obstructions (heating, tubes, electricity,...)

Solid or reinforced floor surface required!
Measure doorway and calculate door leaf size with vertical door jambs.
Advised joint dimensions - with vertical door jambs

Custom door leaf (30 or 45 mm thick)

PortaPivot 6530

PortaPivot 5045
Vertical Door Jambs

Vertical Door Jambs will standard be supplied with an overlength of ‘door leaf height + 30 mm’, and can be cut to length on site.

1. The vertical door jamb uses 2 compressable Qlon strips to close/minimize vertical joints between the door and doorway (left & right).

2. It is mounted to the wall with screws and plugs, and joint adjustments are possible because of the special ‘swelling foam’ to be attached on the back of the aluminium profiles.

3. After installation, screws are hidden behind a rubber profile.
Calculate single door leaf size

Step 1: Measure fully finished doorway with electronic laser
To calculate the maximum rectangular surface (grey area), add the smallest dimensions in width and height.

Grey area = 2597mm x 996mm
(700+1897 x 496+500)
Step 3: Calculate door leaf size

The maximum rectangular surface will be used to calculate the door leaf size.

NOTE: the position of the hinge can influence the final door leaf size (see page 6 - right hinge setup)

Subtract the advised minimum joint dimensions from the maximum rectangle (AxB).

Door leaf height = \( A - (11 + 12.5) \)

Door leaf width = \( B - (13 + 13) \)

So in this example:
Door leaf height = 2597 - 23.5 = 2573.5 mm
Door leaf width = 996 - 26 = 970 mm
For the optional magnets or 1-way parts, you need to keep 12.5mm of space at the top.

The 2.5mm gap between top hinge and ceiling can be removed in different ways. See door installation manual for more info.

The bottom hinge doesn't need any adjustments in this situation.
In this example situation, the top hinge doesn't need any adjustments.

However, the optional 1-way part will need spacers.

See door installation manual for more information.
There are 2 options to clear the 2.0 mm gap between the bottom hinge and the floor.

Option 1:
Adjust the hinge position relative to the door or add shims under the hinge (see door installation manual).

Option 2:
Add 2.0 mm to the door leaf in height.

This leaves 9.0 mm clearance at the other end. 
(Make sure to always keep at least 5.0 mm clearance between door leaf and floor)
Option 1:
Door leaf height = $A - (11 + 12.5)$
Door leaf width = $B - (13 + 13)$

So in this example:
Door leaf height = $2597 - 23.5 = 2573.5$ mm
Door leaf width = $996 - 26 = 970$ mm

Option 2:
Door leaf height = $A - (11 + 12.5) + 2$
Door leaf width = $B - (13 + 13)$

So in this example:
Door leaf height = $2597 - 23.5 + 2 = 2575.5$ mm
Door leaf width = $996 - 26 = 970$ mm

Right hinge setup

Subtract the advised minimum joint dimensions from the maximum rectangle ($A \times B$).
Recessed vertical door jamb

It is possible to recess the profile in the wall by 7 mm. So when calculating the door leaf width, you need to add 14 mm.

Door leaf width = \( B + 14 - (13 + 13) \)

Vertical door jambs will standard be supplied with an overlength of ‘door leaf height + 30 mm’, and can be cut to length on site.
Calculate double door leaf size

Step 1: Measure fully finished doorway with electronic laser
Step 2: Calculate maximum rectangular surface

To calculate the maximum rectangular surface (=grey area), add the smallest dimensions in width and height.

Grey area = 2596mm x 2001mm
(698+1898 x 901+1100)
Step 3: Calculate door leaf size

The maximum rectangular surface will be used to calculate the door leaf size.

Subtract the advised minimum joint dimension from the maximum rectangle (AxB).

You also need a 6 mm gap in between both door leafs, so subtract 3mm in width from each leaf.

If needed: hinges, optional magnets and 1-way parts need spacers to clear any existing gaps (see door installation manual).

You cannot increase the door leaf height instead of using spacers, as this will result in unequal door leaf sizes!

Door leaf height = \( A - (11 + 12.5) \)
\[ = 2572.5 \text{ mm} \]

Door leaf width = \( \frac{B}{2} - 13 - 3 \)
\[ = 984.5 \text{ mm} \]
Check obstructions

Check available space at various locations between door leaf and floor / ceiling.

Check for other possible obstructions like plinths, lights, vents, airco, ...
Installation requirements

Solid or reinforced ceiling required!

Solid or reinforced floor surface required!
Verify depth for obstructions (heating, tubes, electricity,...)