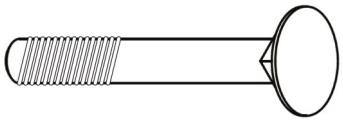
Altiflex®
EMPOWER THE BUILDING PROCESS

Single gate

Assembly manual

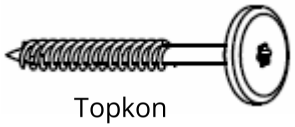
15x



Carriage bolt

10X80mm

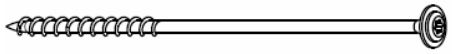
100x



Topkon

8x50

24x



Chip screw

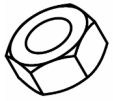
6x140

10x

Concrete screw

10x55

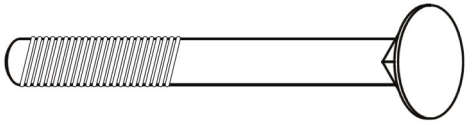
18x



Nuts

M10

3x



Carriage bolt

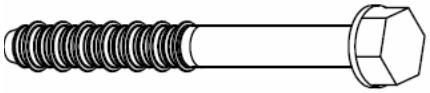
10X110mm

250x

Bracket screw

5x40

12x



Concrete screw

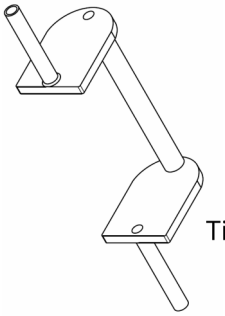
10x110

6x

Topkon

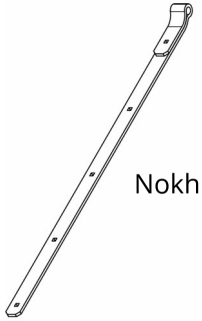
8x80mm

1x



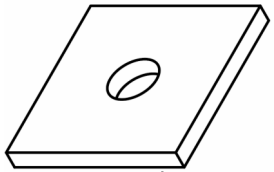
Tipping handle

3x



Nokhinges

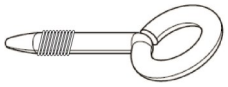
15x



Rect. washers

M10x40

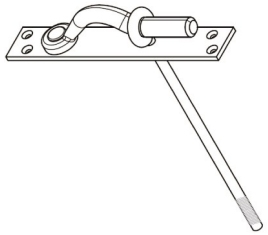
2x



Coach screw Eyelet

7,8x80

3x

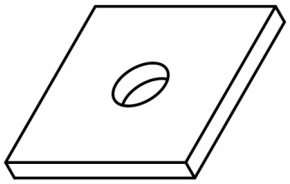


3x

Lock nuts

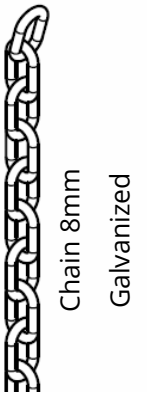
M12

3x



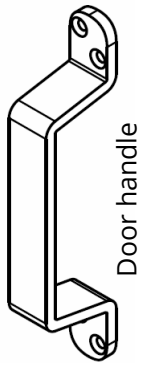
Rect. washers

M12x40



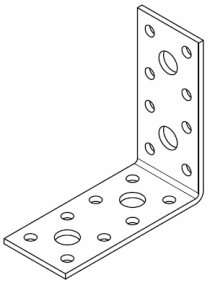
Chain 8mm
Galvanized

1x



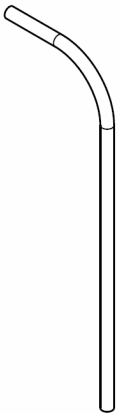
Door handle

4x



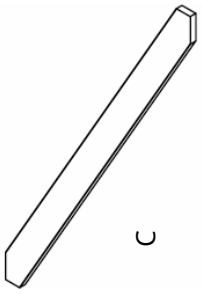
Angles
90x90x40x3

28x



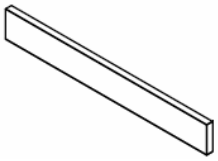
Port lock

1x



C

1x

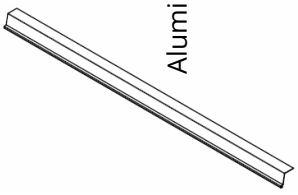


A

2x

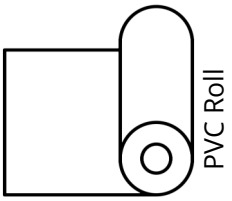
B

5x



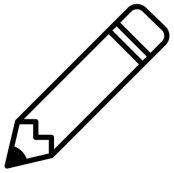
Aluminum eaves

1x



PVC Roll

1x roll

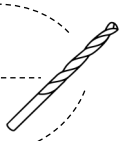


1x pencil

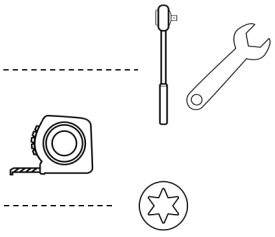
List of tools

To assemble this single gate the following tools will be required:

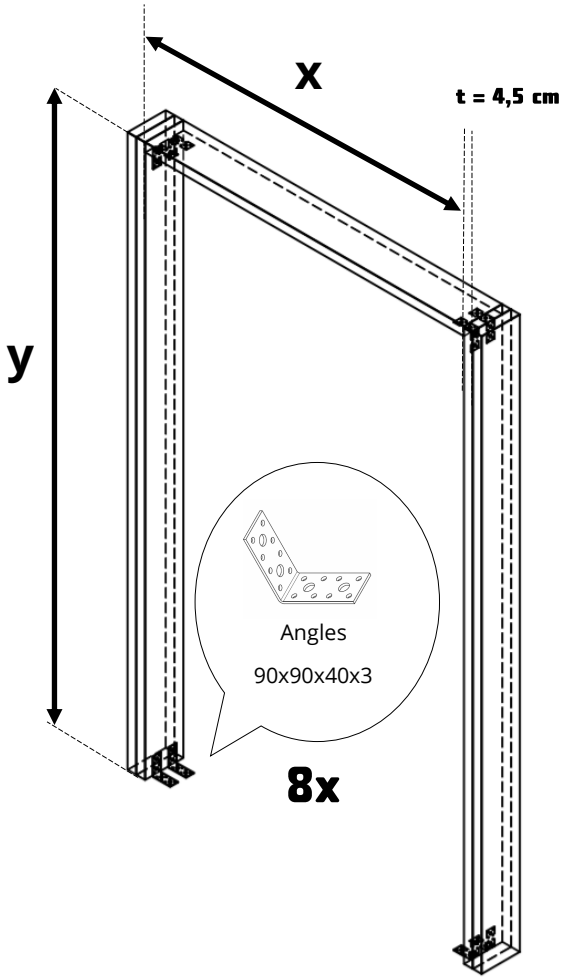
- Ø12 Drill
- Ø10 Drill
- Ø22 Drill

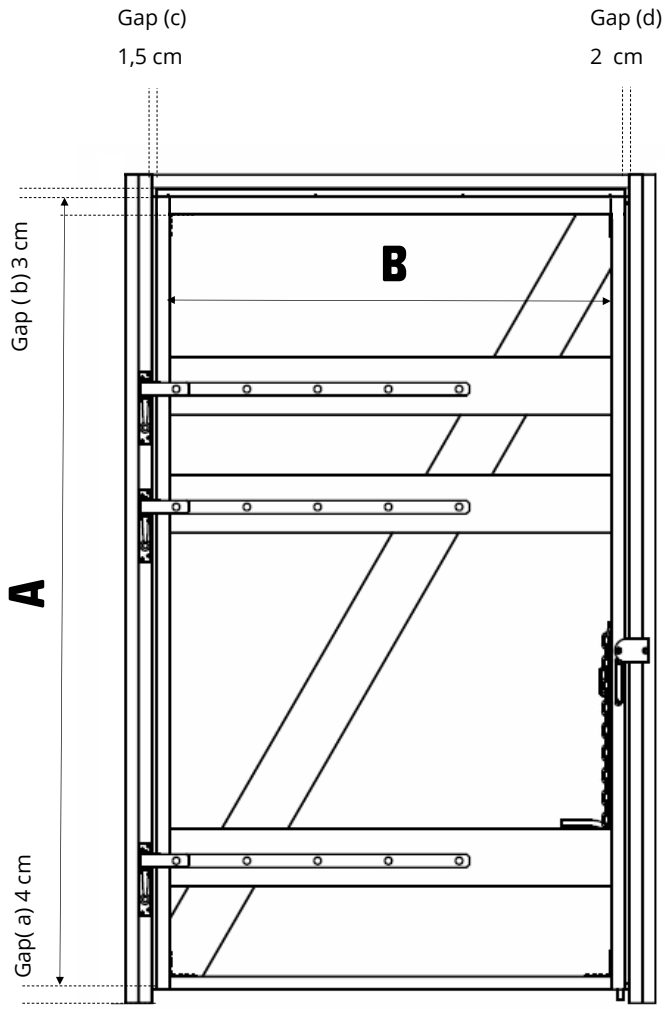


- Socket wrench set
- Measuring tape
- Bit set (for Torx screws)



1





NB: y > 4m =>
Use 3x pieces of lumber - instead of 2.

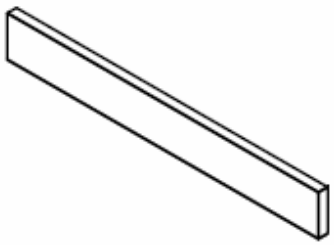
y = A+ gap(b) + gap(a)	x = B +gap(c) · gap(d) + 2·t
A = y - 7 cm	B = x-12,5 cm

2

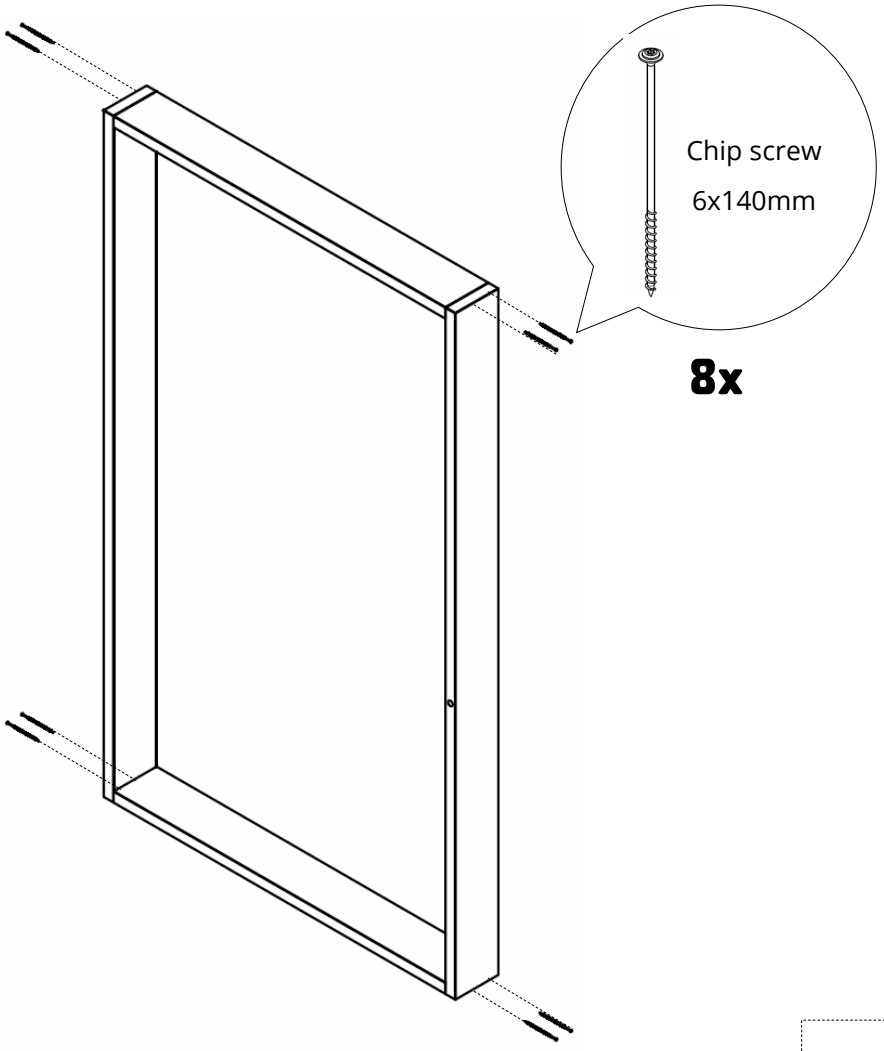
Cut the following pieces of the timber T1 tree:

2x A

5x B

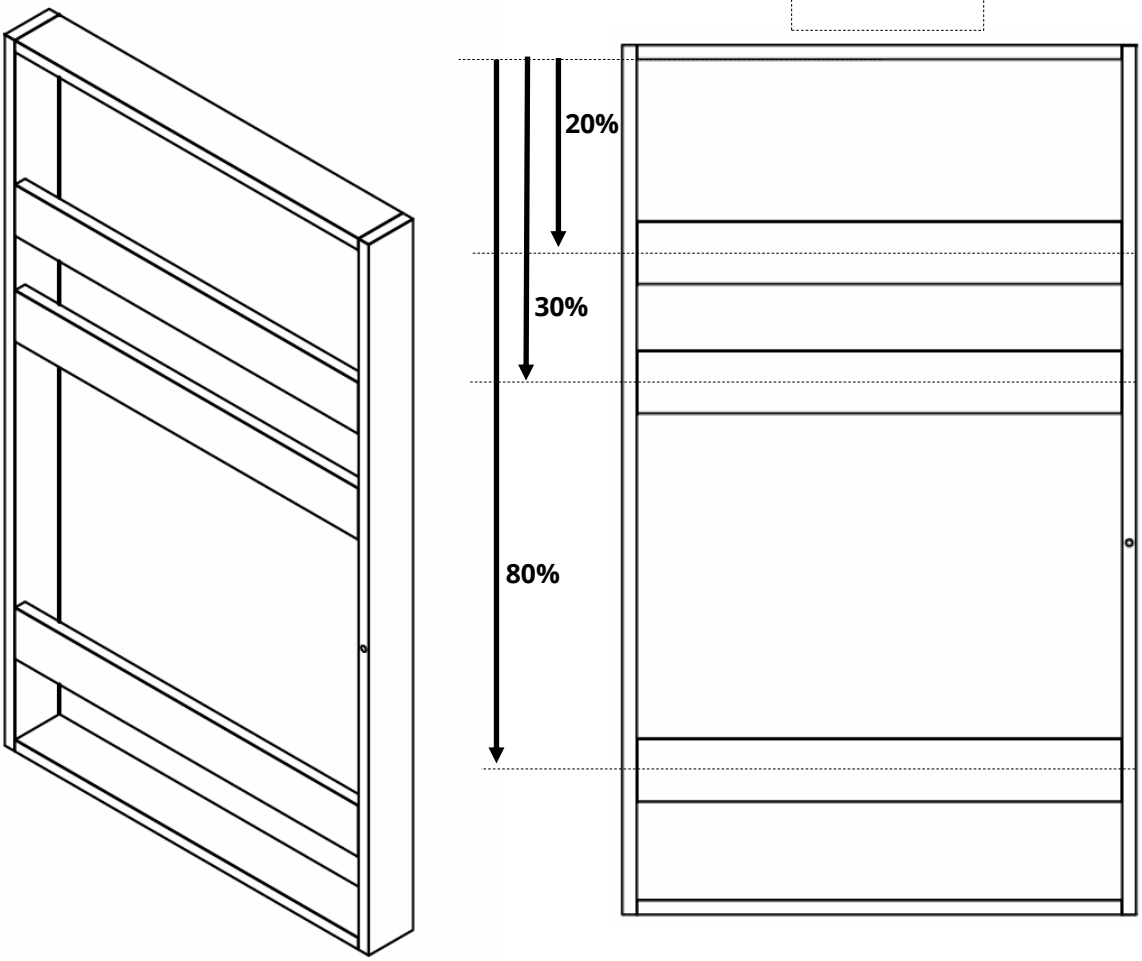


3



8x

4



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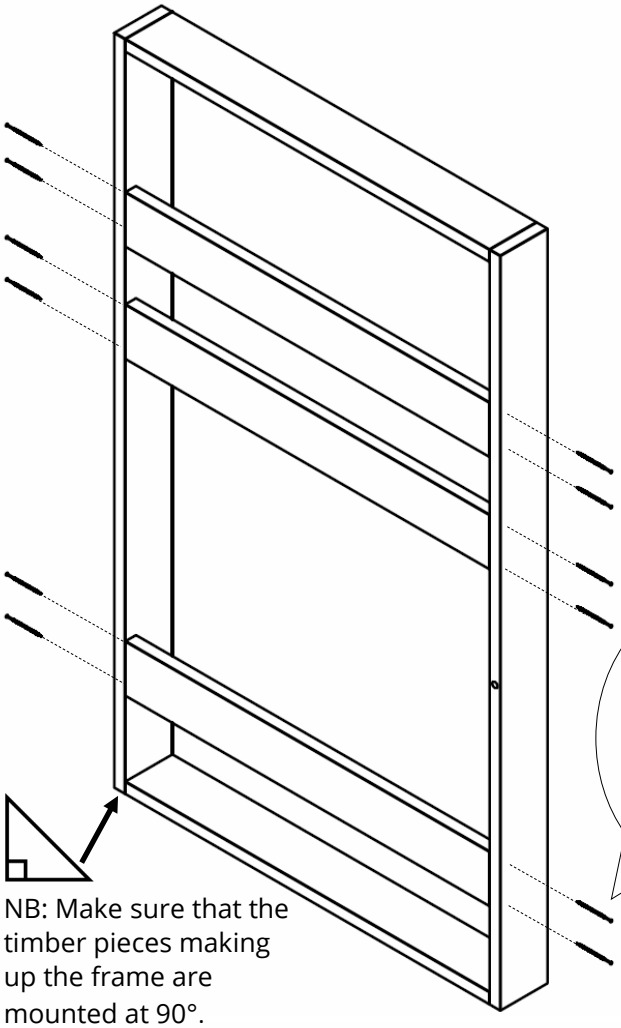
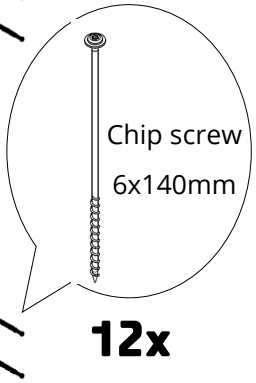
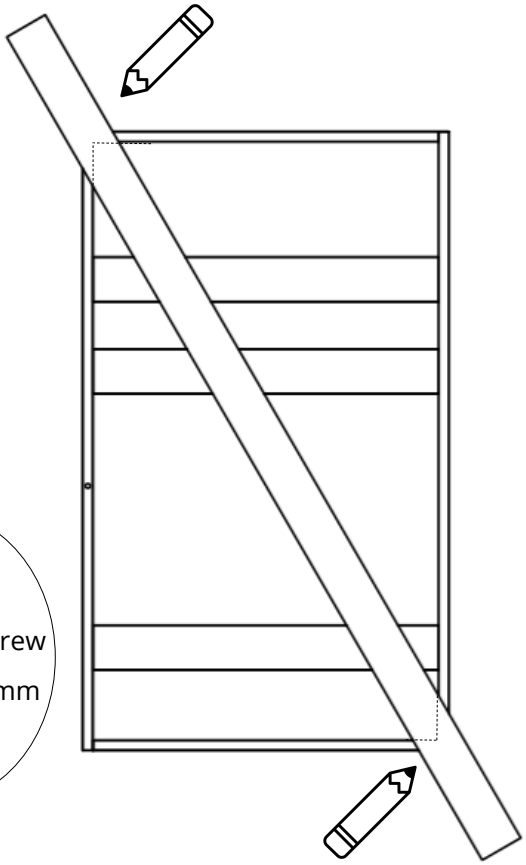


NB: Make sure that the timber pieces making up the frame are mounted at 90°.

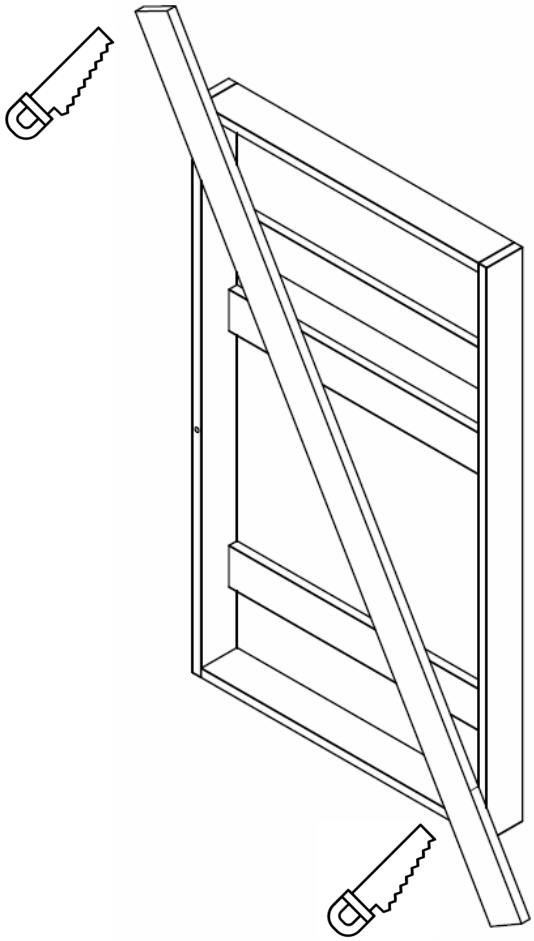


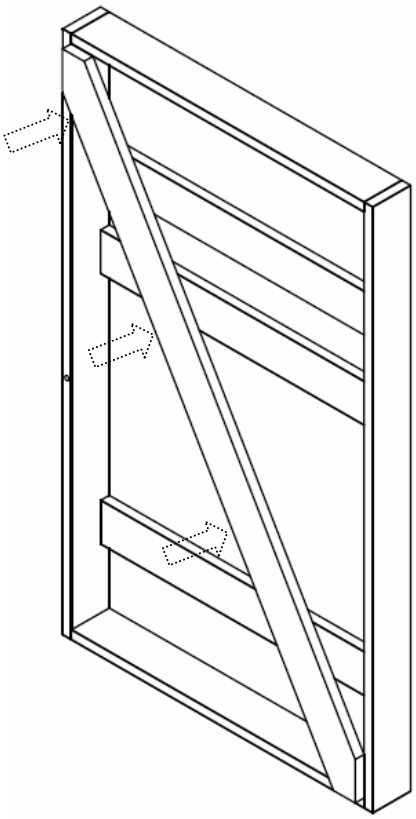
12x



Mark edges of the inner side of the frame to cut.

6





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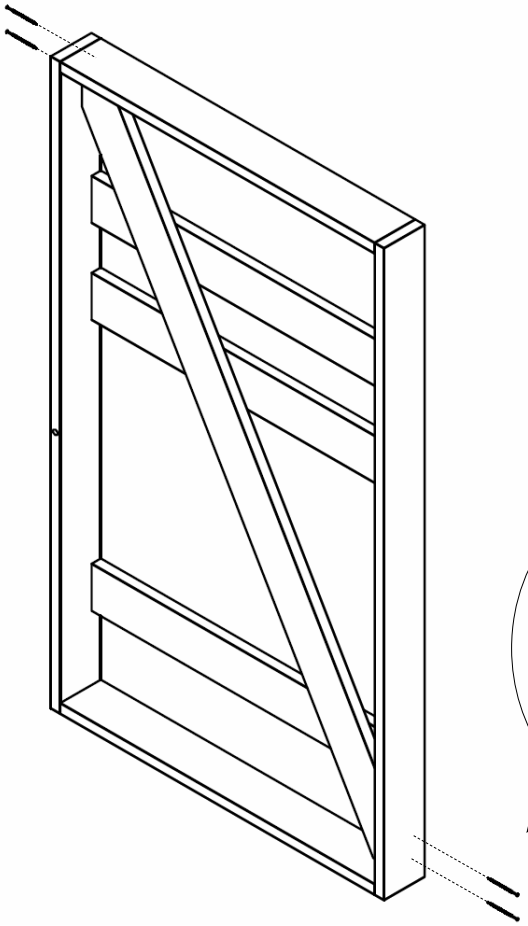
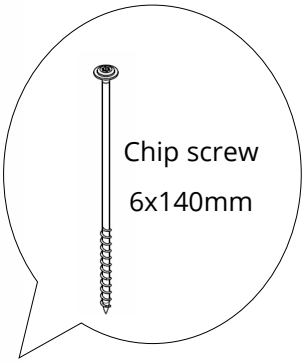
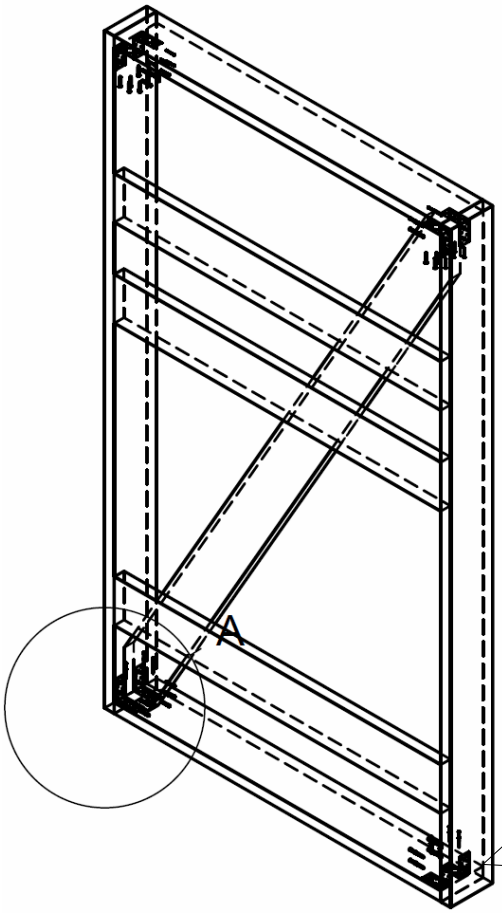
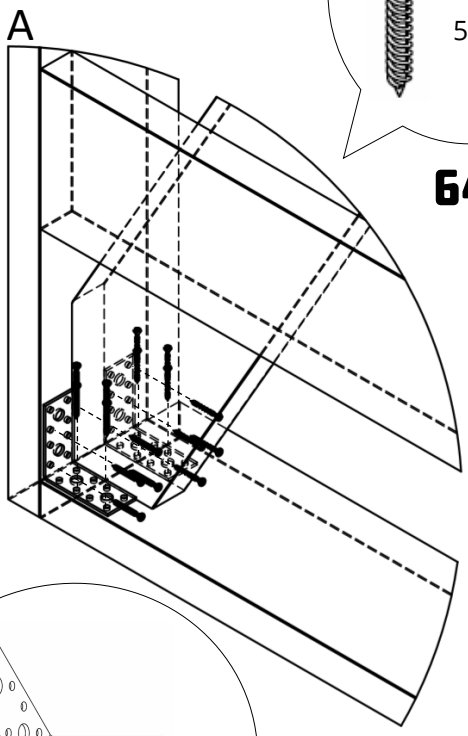


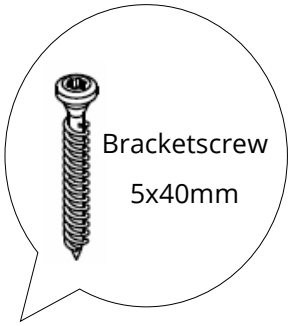


4x

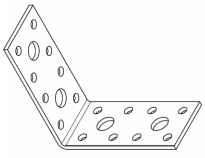
8







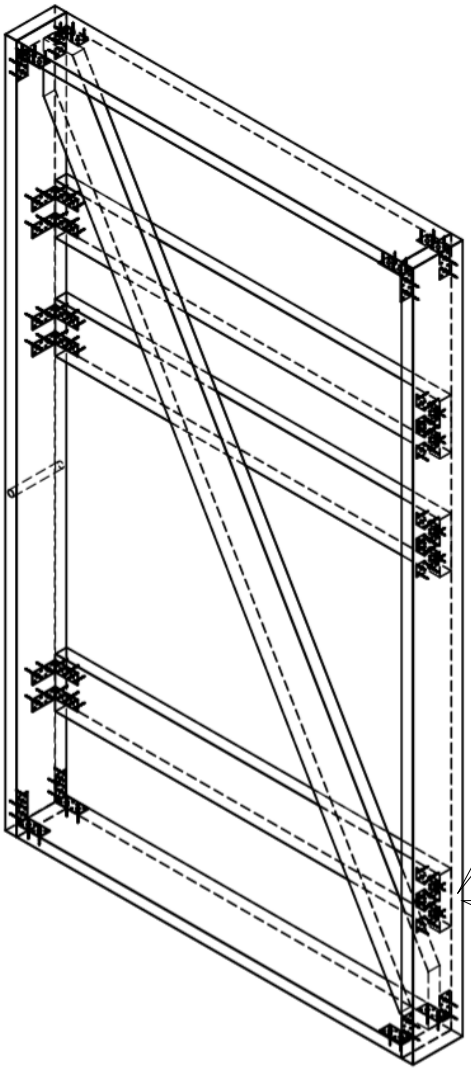
64x



Angles
90x90x40x3

8x

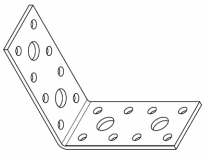
9



Bracketscrew

5x40mm

96x

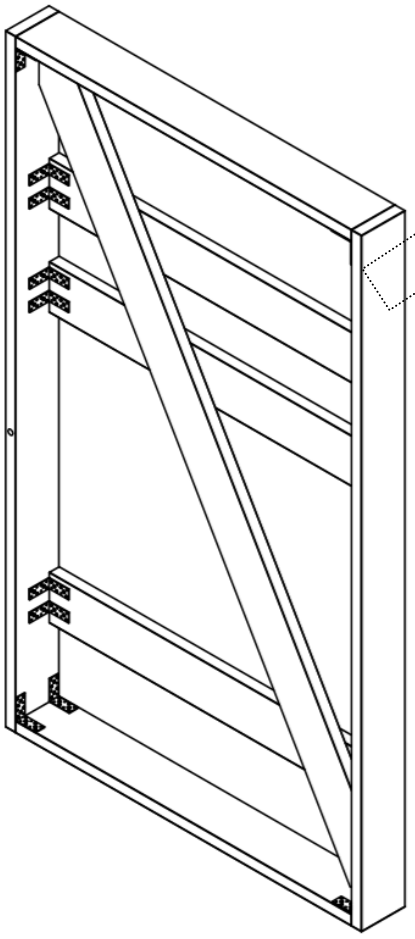


Angles

90x90x40x3

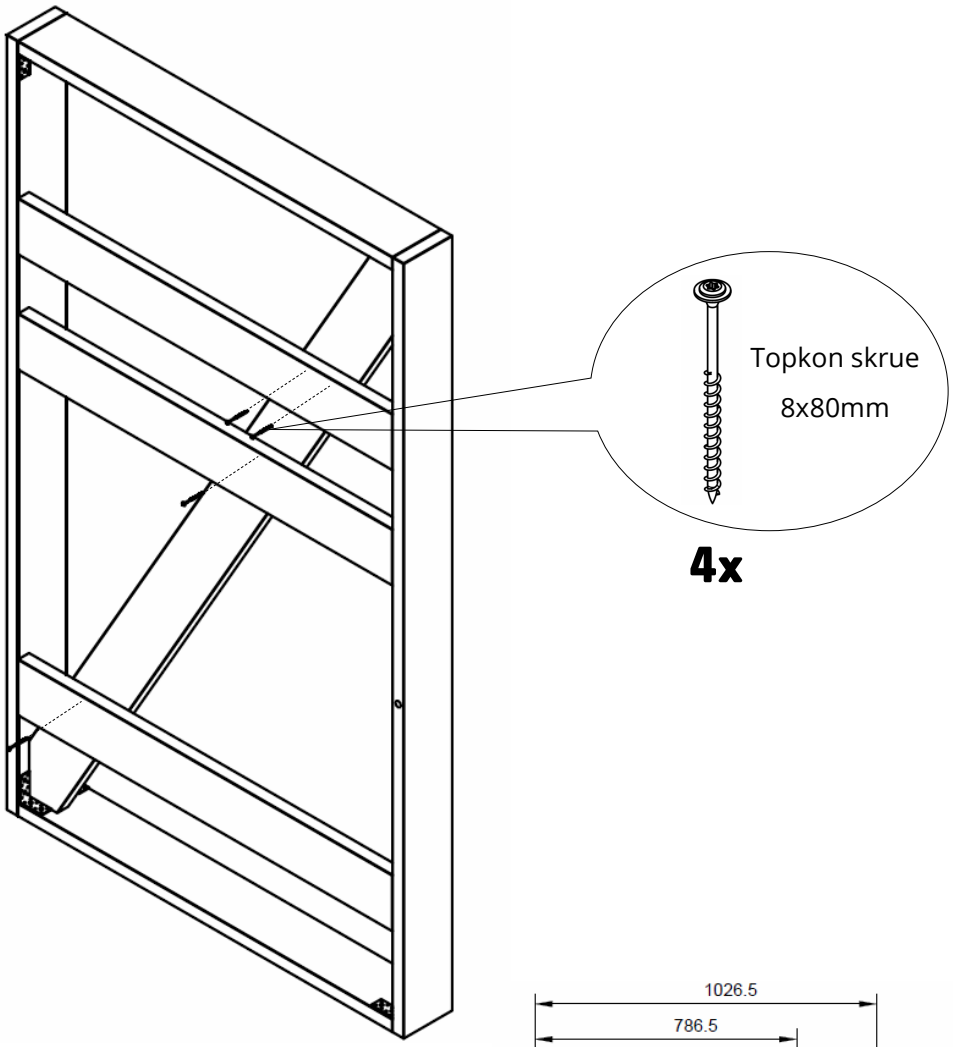
12x

10



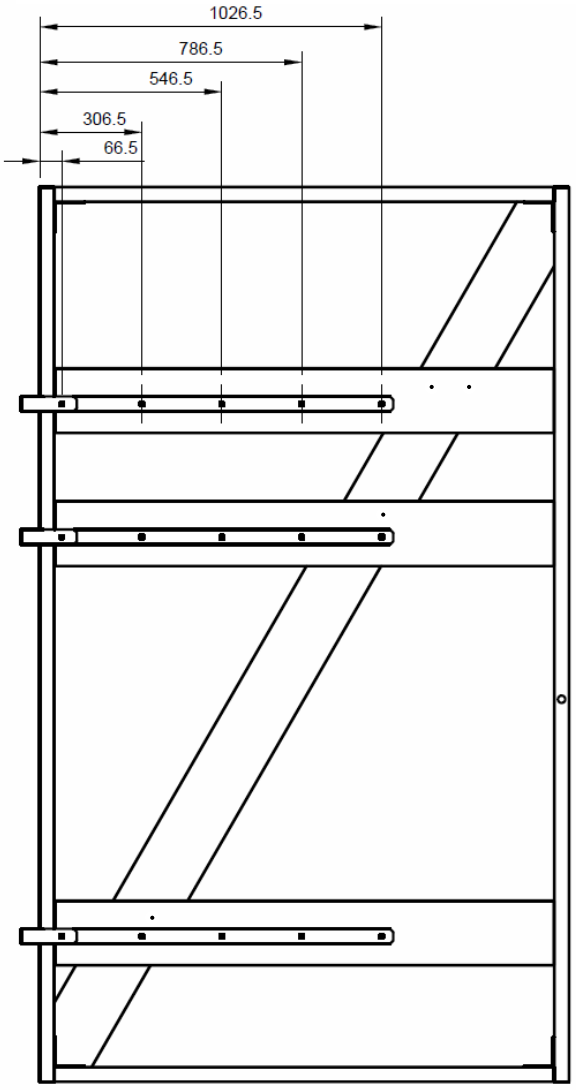
Turn port
frame around

11

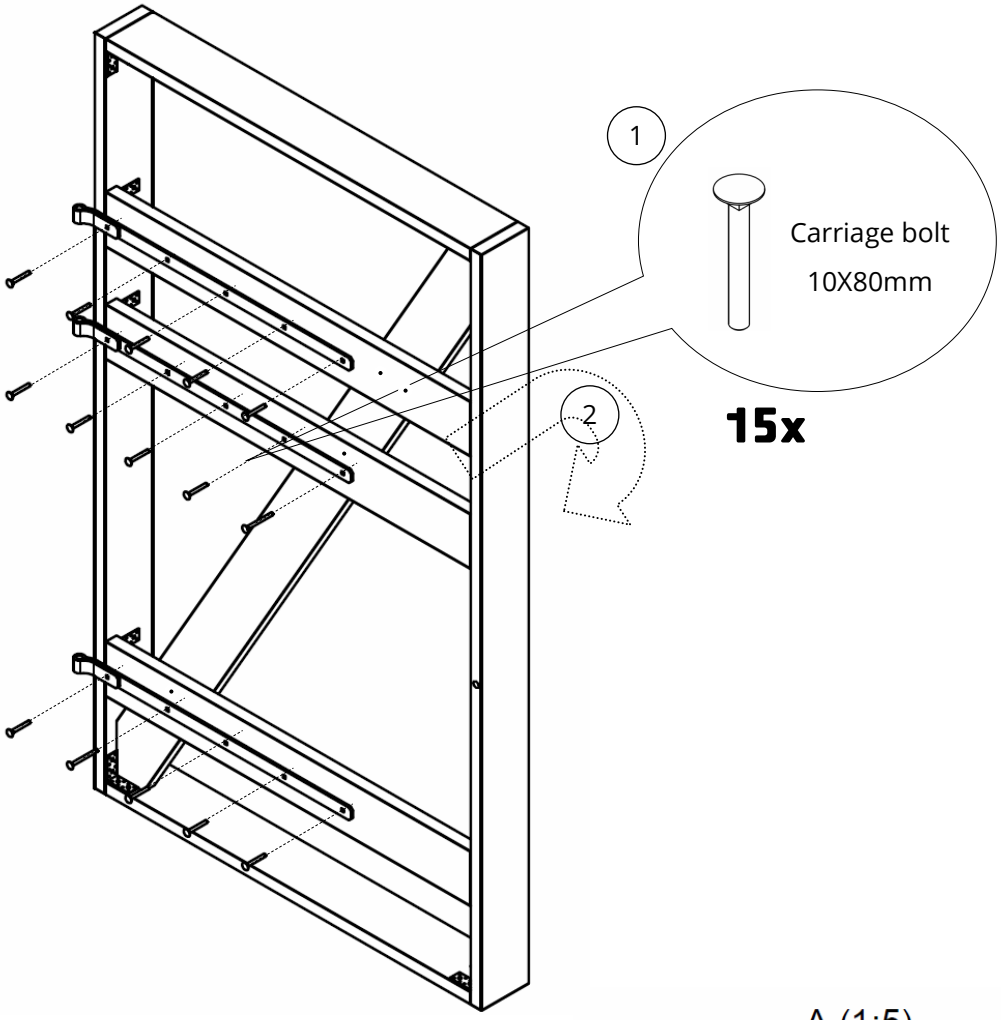


12

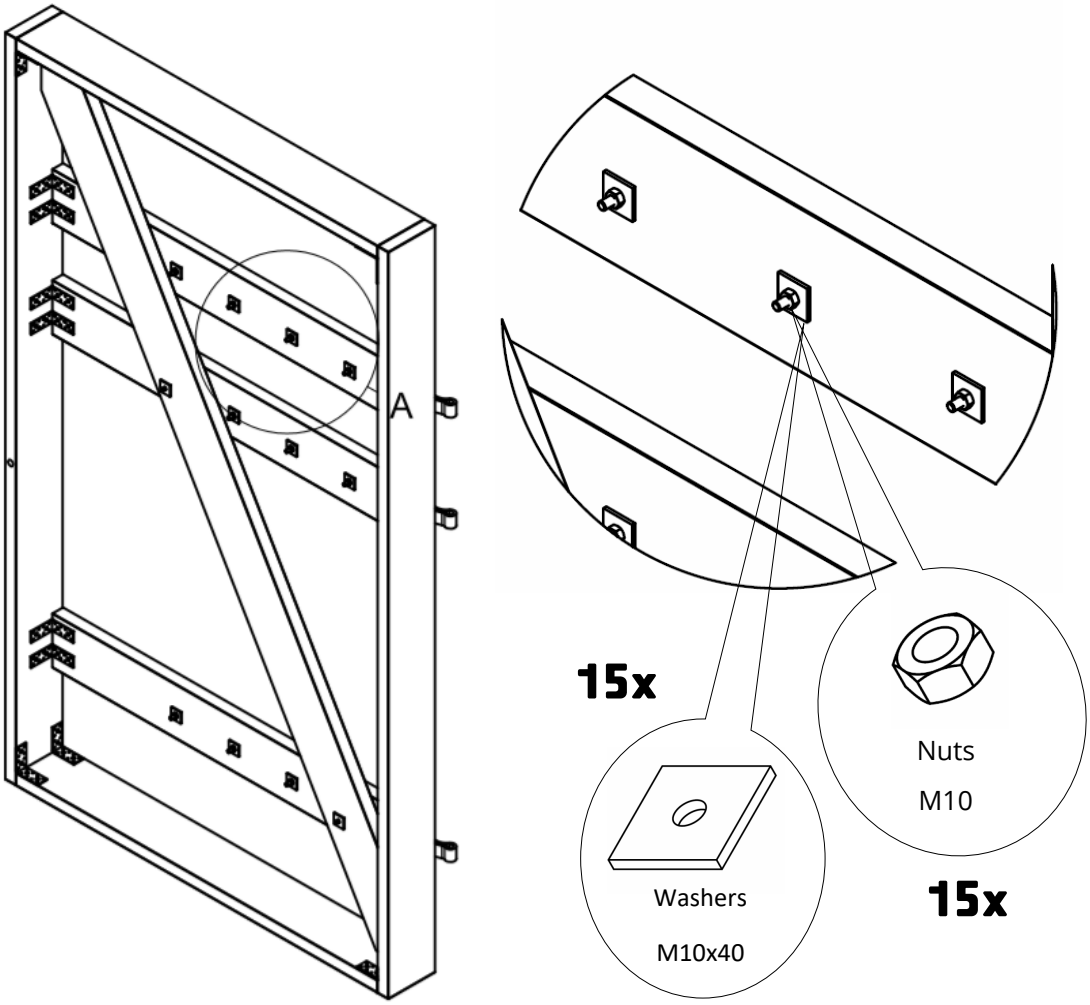
Mark dimension of placement of nokhinge and drill holes into the frame using the Ø10 drill and a machinedriller. Expand the holes carefully if the bolts won't fit.



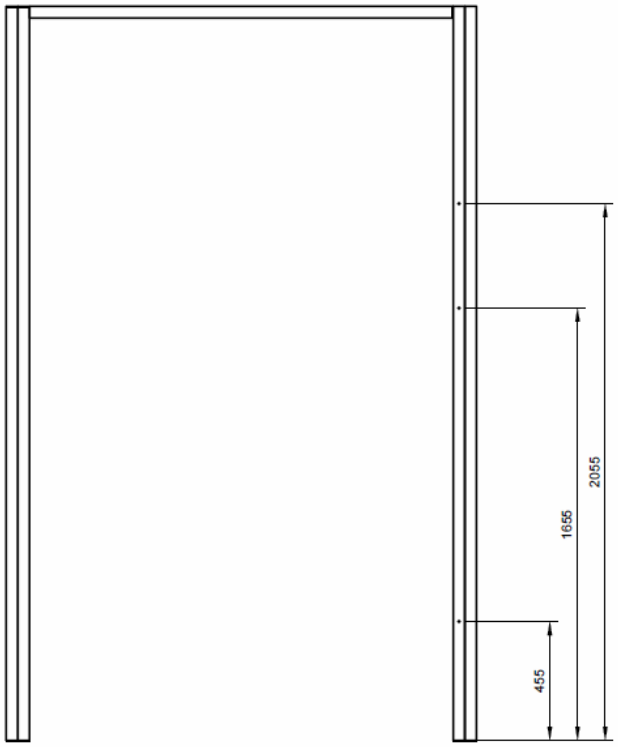
13


1
Carriage bolt
10X80mm
15x
2

14


A
A (1:5)
15x
Nuts
M10
15x
Washers
M10x40

15

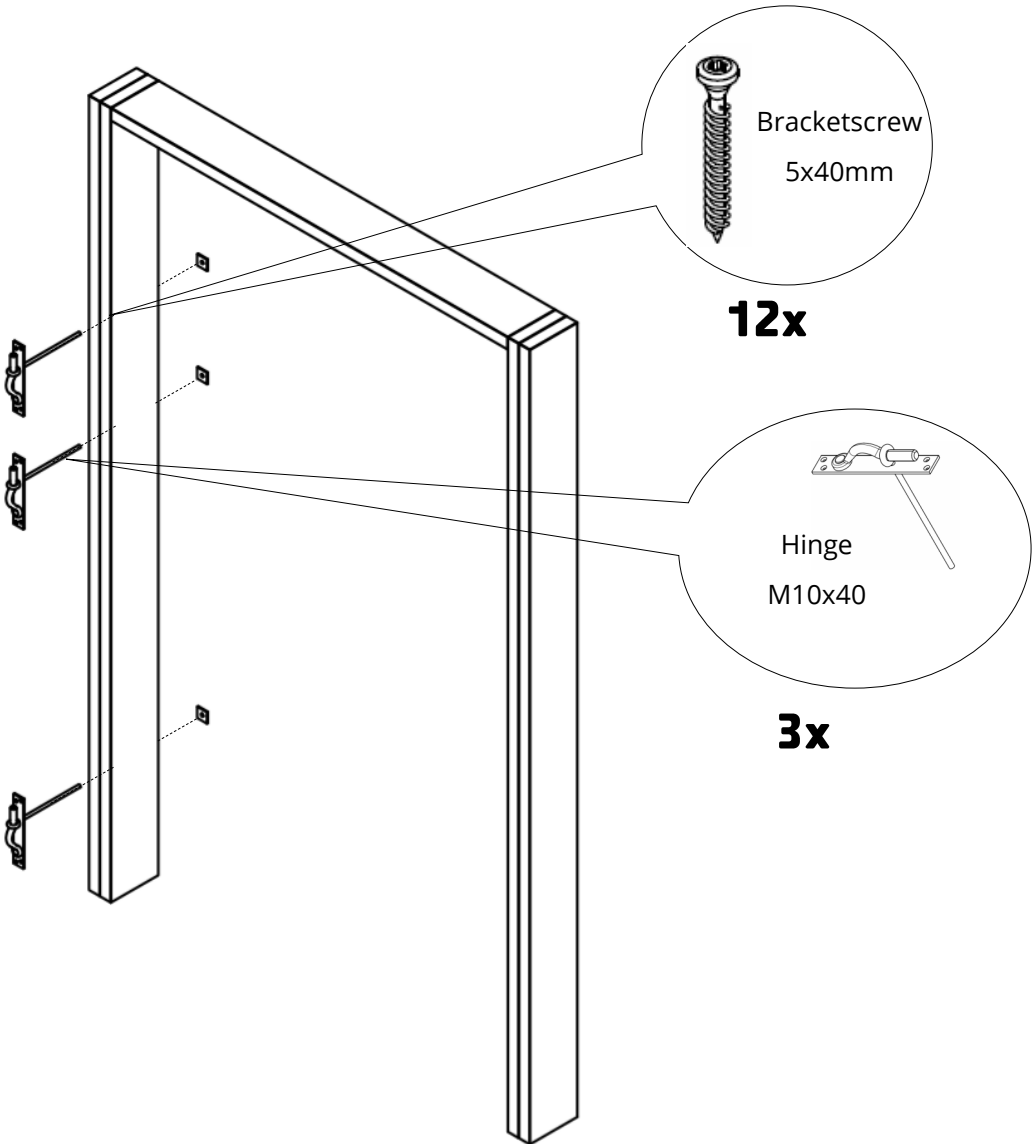


NB: > 4m 3x pieces of cut out lumber is mounted together instead of 5.

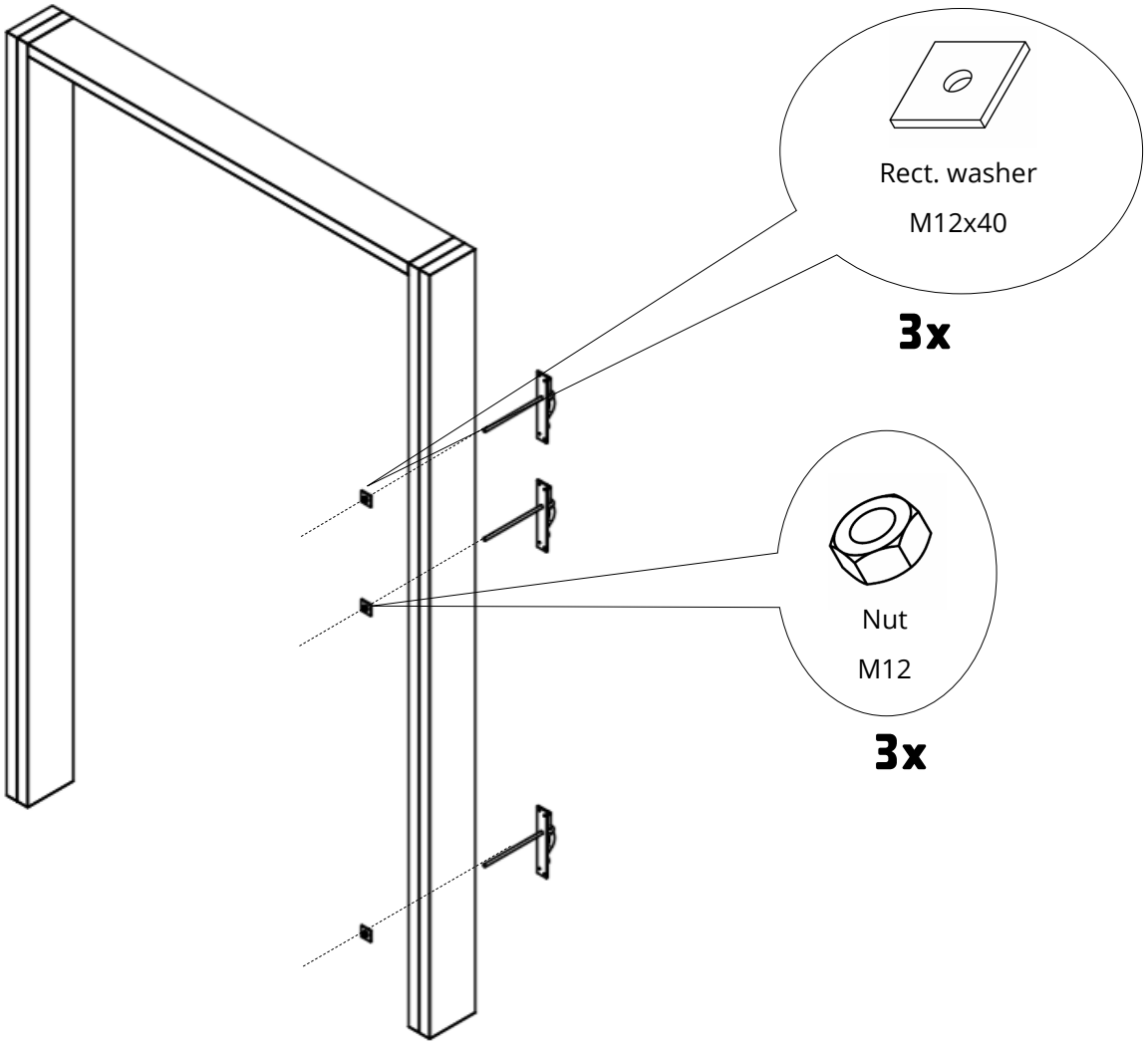
Mark dimension of placement of tapping screw tabel and drill holes into the frame using the Ø10 drill and a machinedriller.

Mark dimensions according to nokhinges

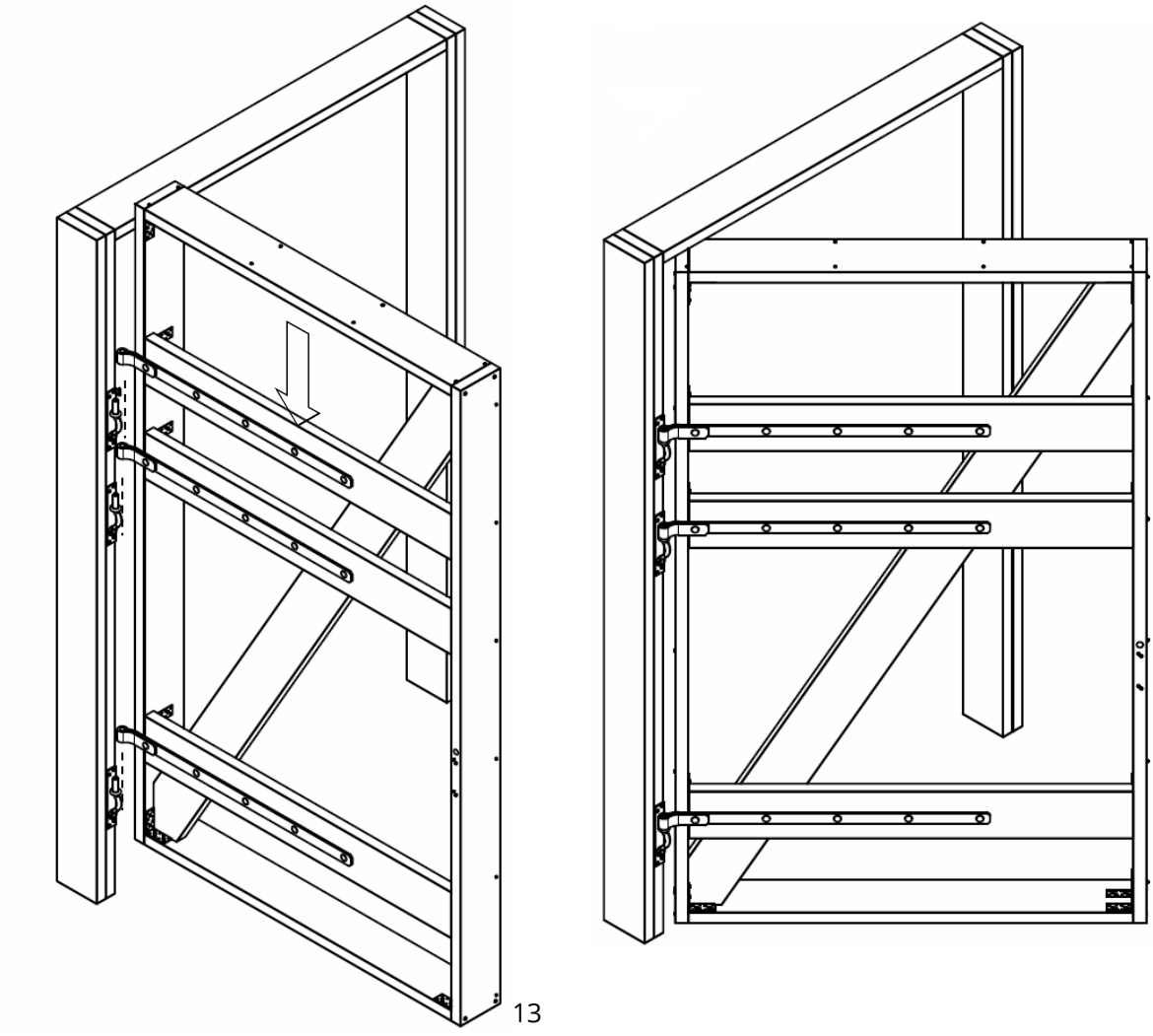
16



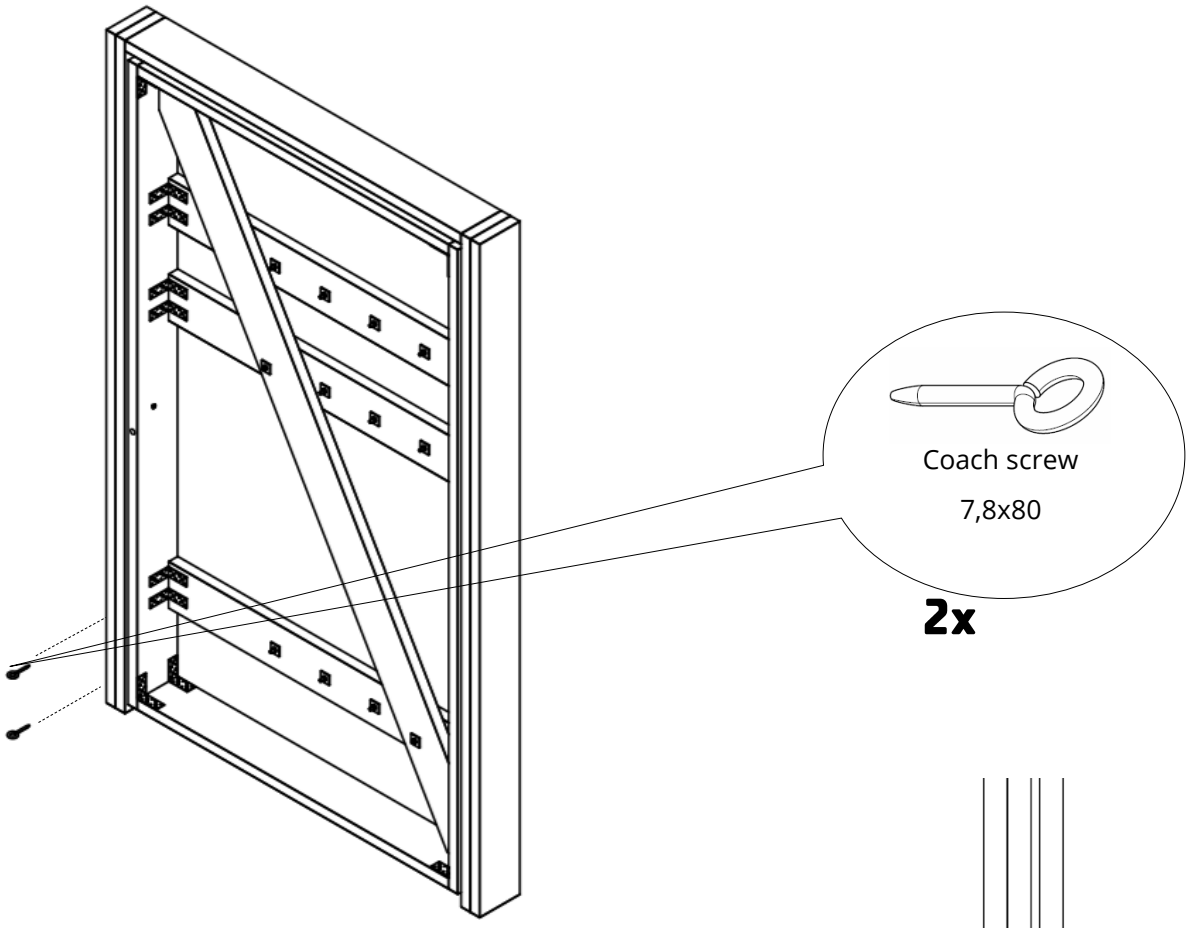
17



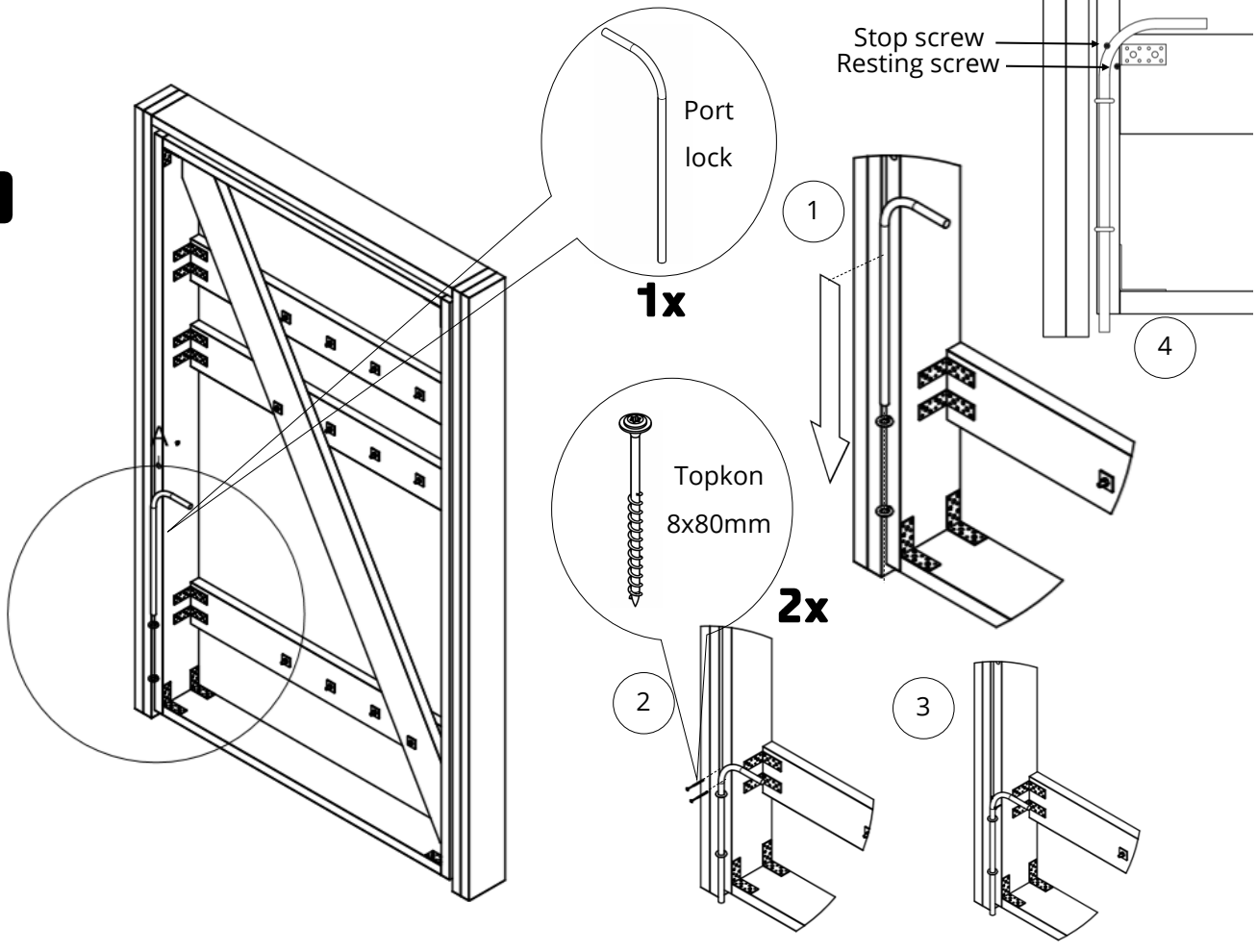
18



19

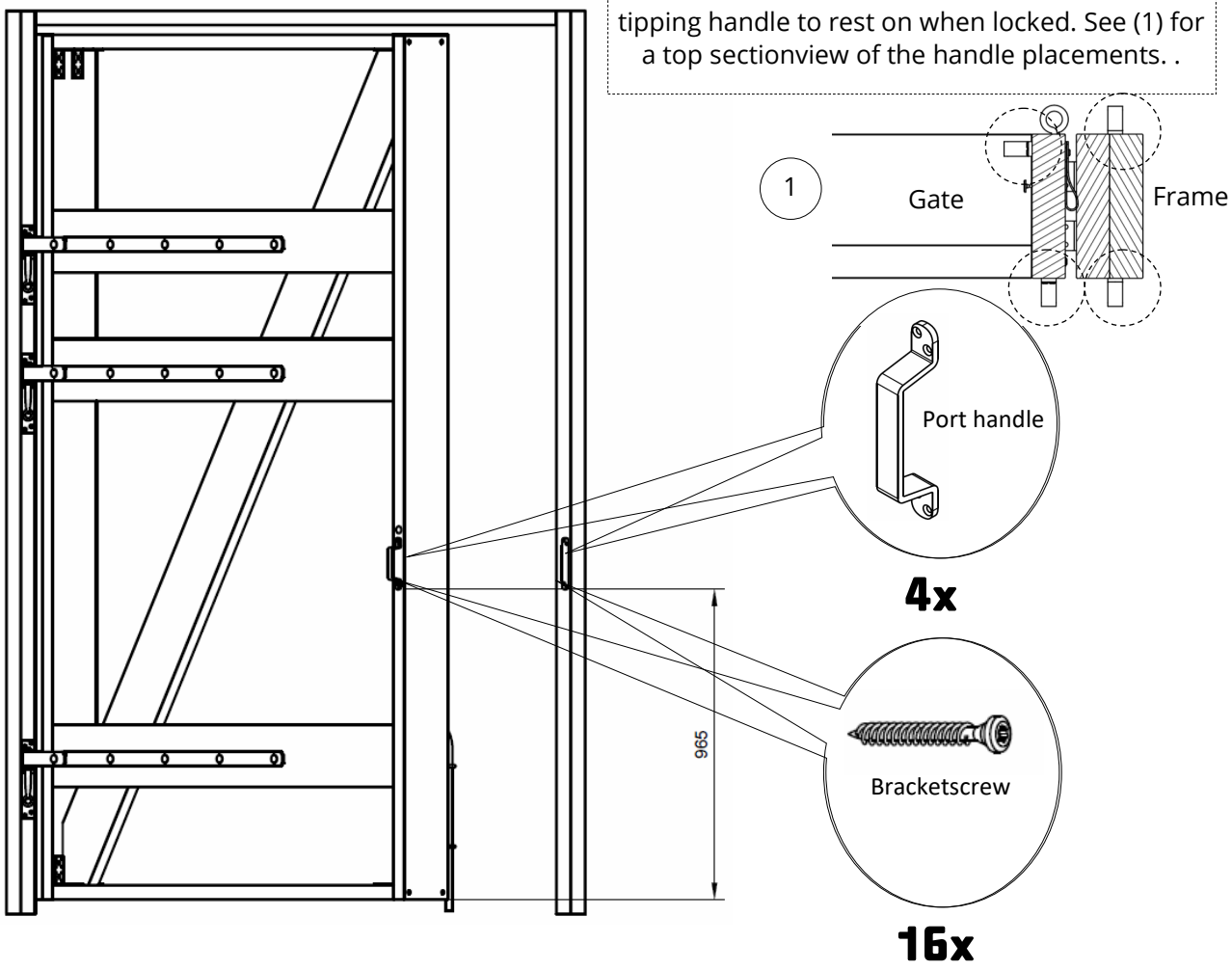

Coach screw
7,8x80
2x

20


Port
lock
1x
Stop screw
Resting screw
1
4
Topkon
8x80mm
2x
2
3

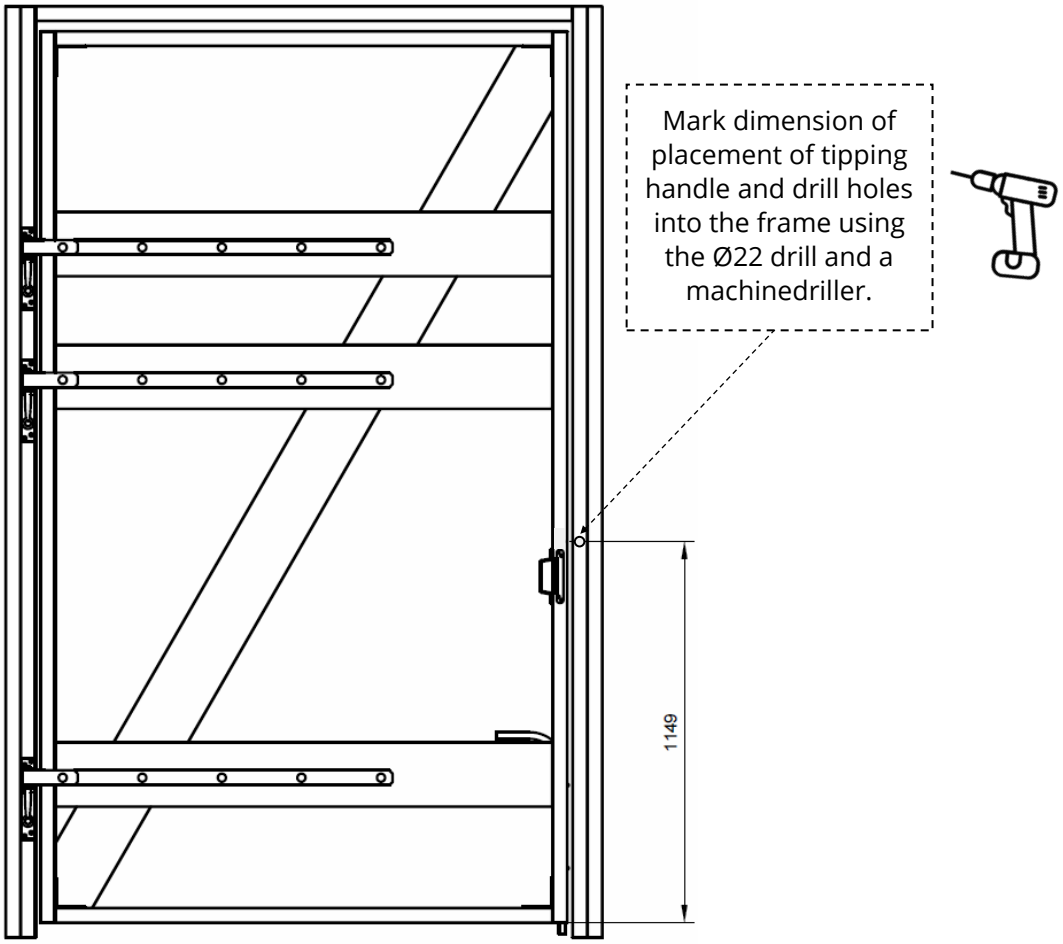
21

Mount handles at preferable heights onto door —**on both sides**. The dimension below is indicative. Mount one handle on the door frame for the tipping handle to rest on when locked. See (1) for a top sectionview of the handle placements. .

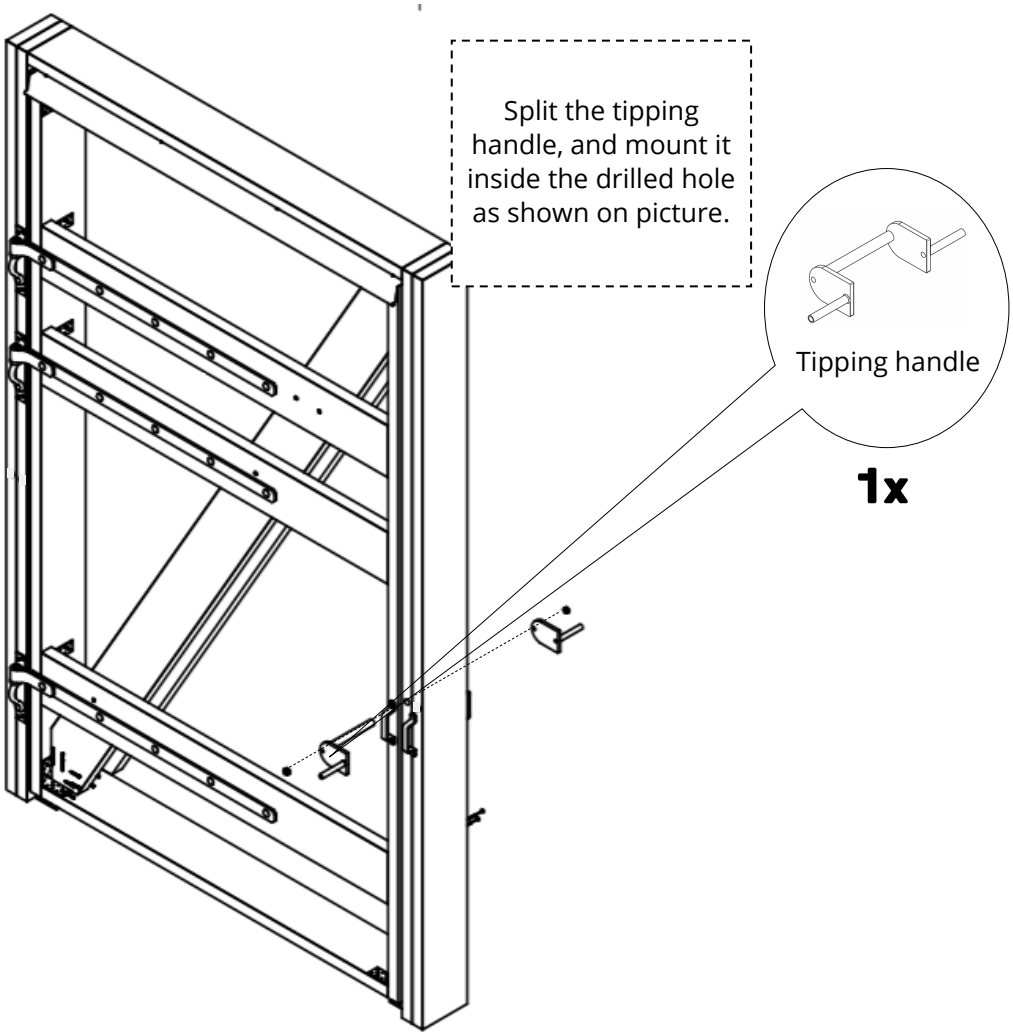


22

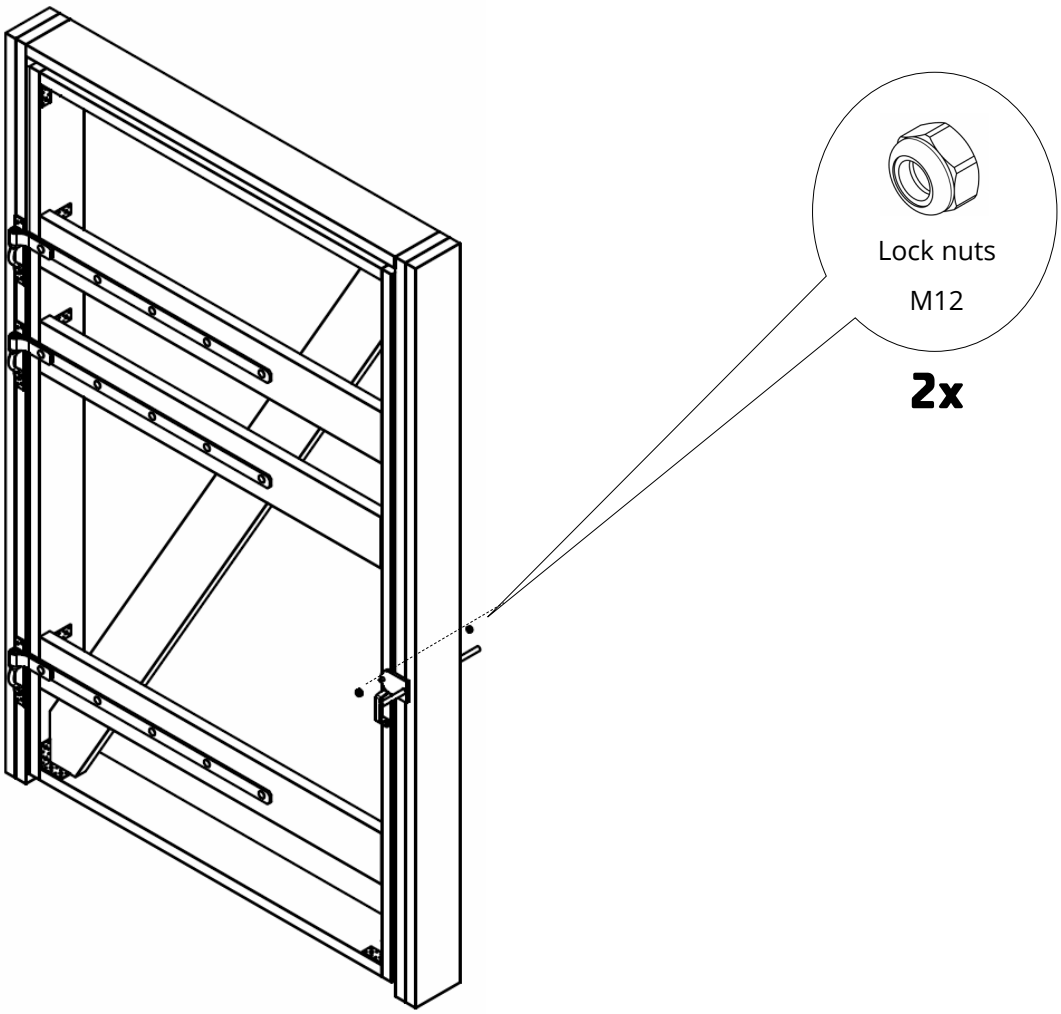
Mark dimension of placement of tipping handle and drill holes into the frame using the Ø22 drill and a machinedriller.



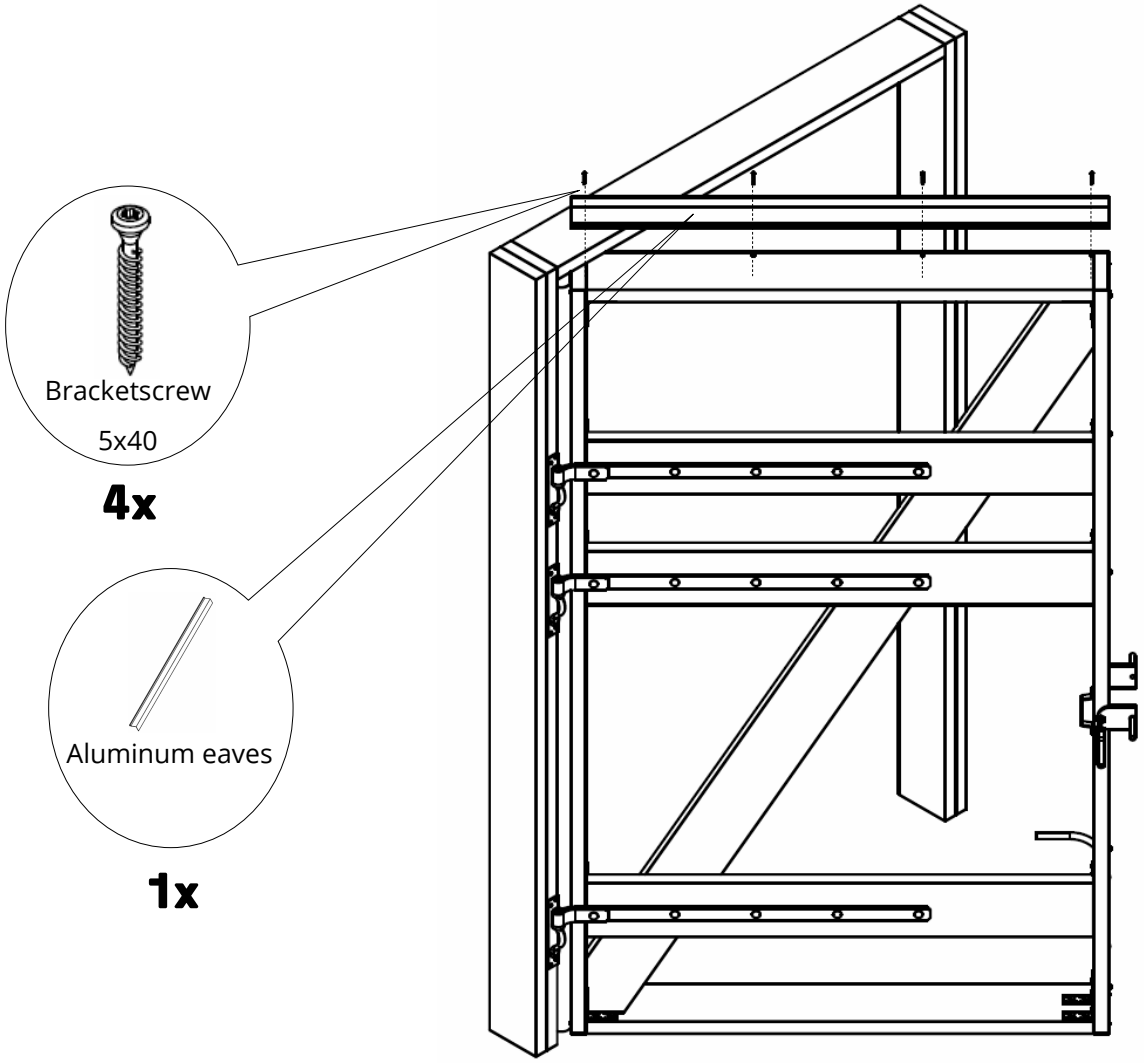
23


Split the tipping handle, and mount it inside the drilled hole as shown on picture.
Tipping handle
1x

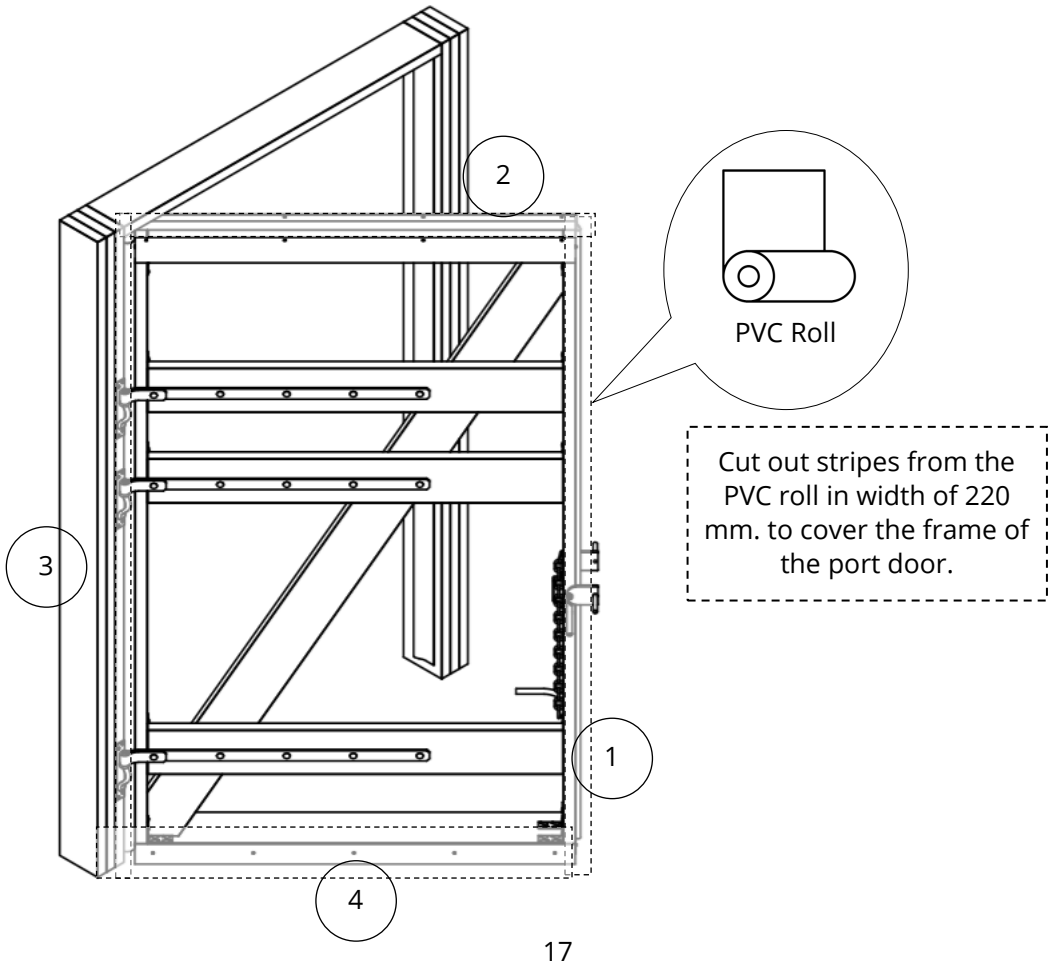
24


Lock nuts
M12
2x

25


Bracketscrew
5x40
4x
Aluminum eaves
1x

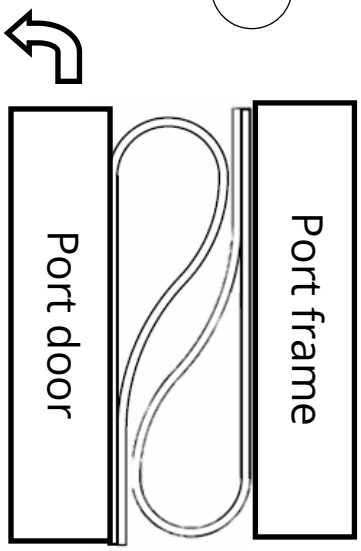
26


2
PVC Roll
Cut out stripes from the PVC roll in width of 220 mm. to cover the frame of the port door.
3
1
4

27

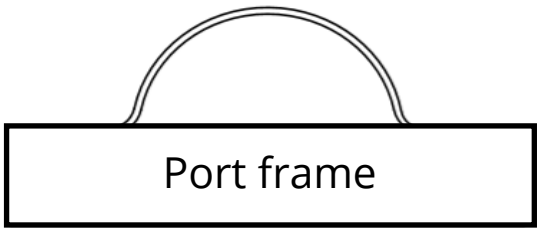
Fold the cut-outs for (1) and (2) and (3) like shown.

1



Form of PVC roll between port door and port frame at (1) , see step 29.

2

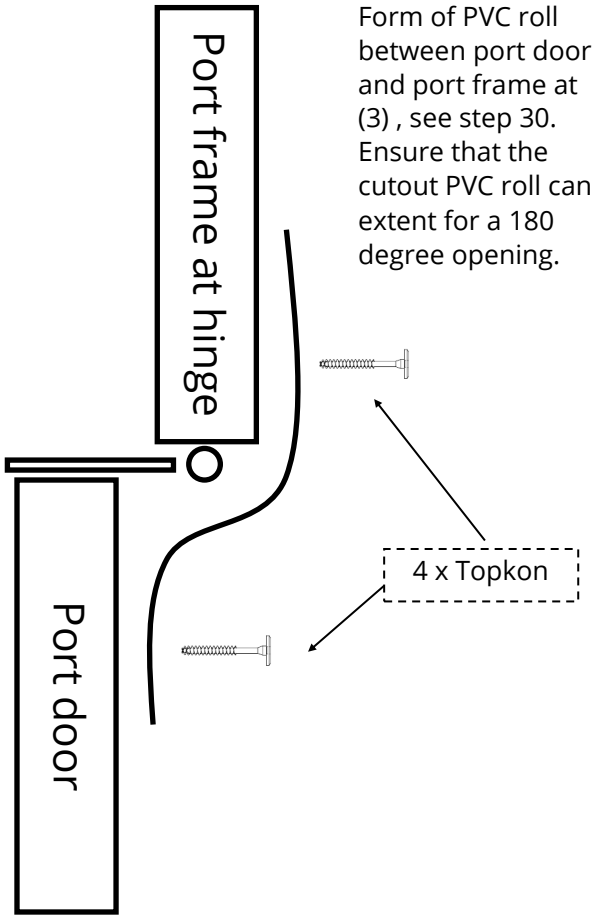


Form of PVC roll between port door and port frame at (2) , see step 29.

4 x Topkon

28

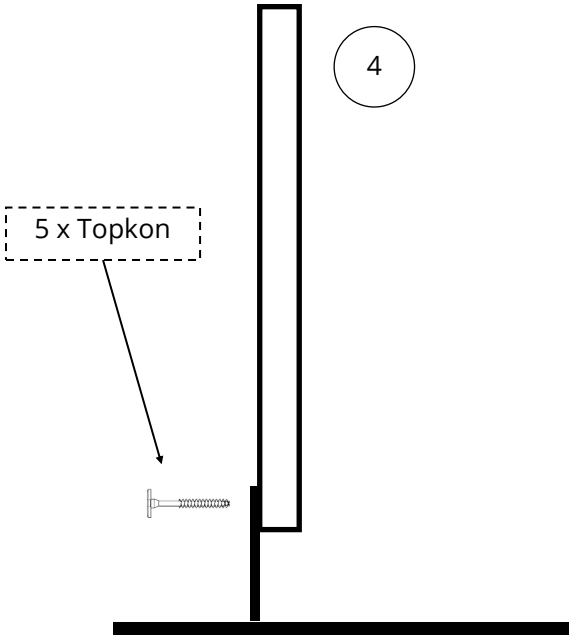
3



Form of PVC roll between port door and port frame at (3) , see step 30. Ensure that the cutout PVC roll can extent for a 180 degree opening.

4 x Topkon

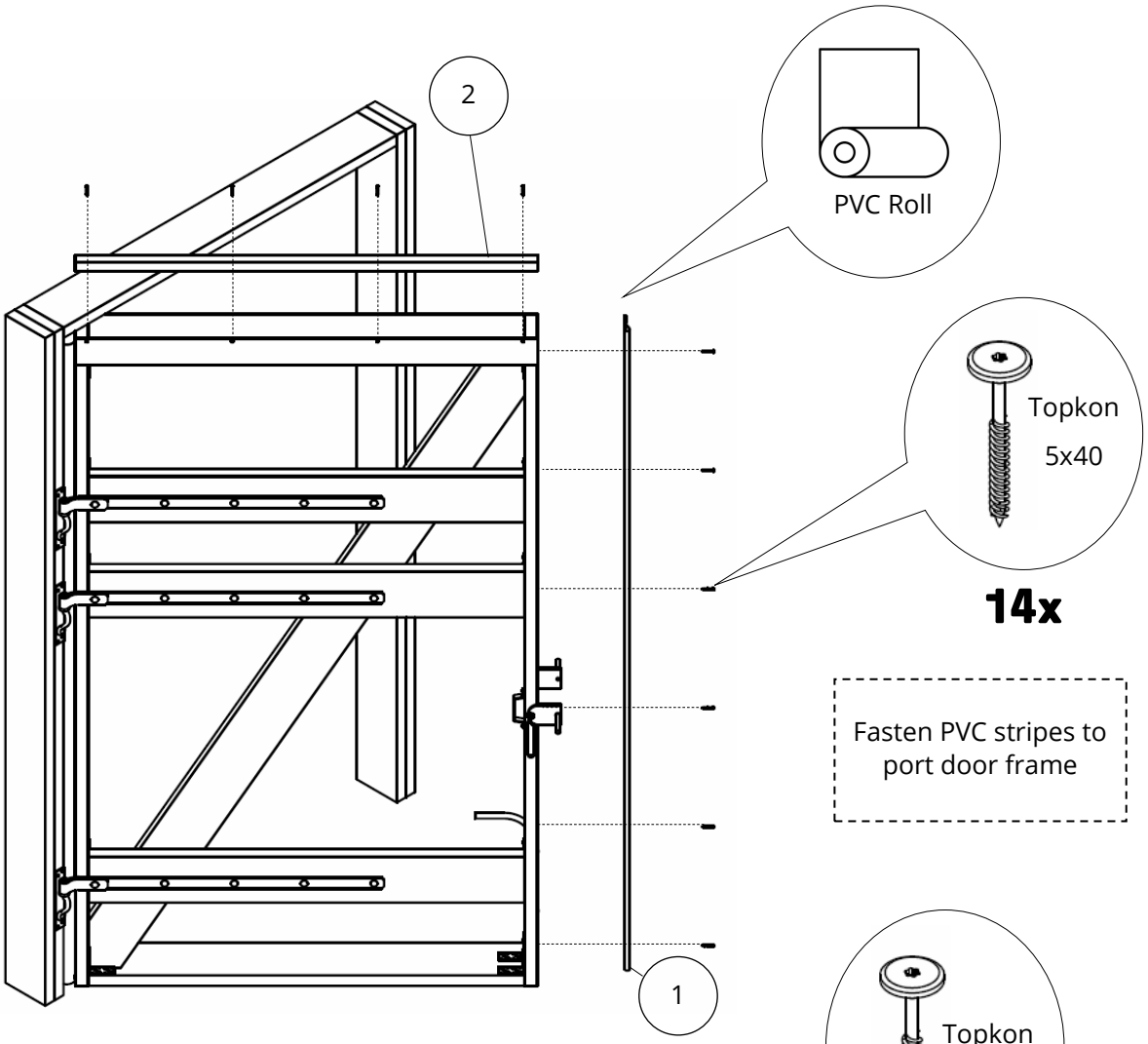
4



5 x Topkon

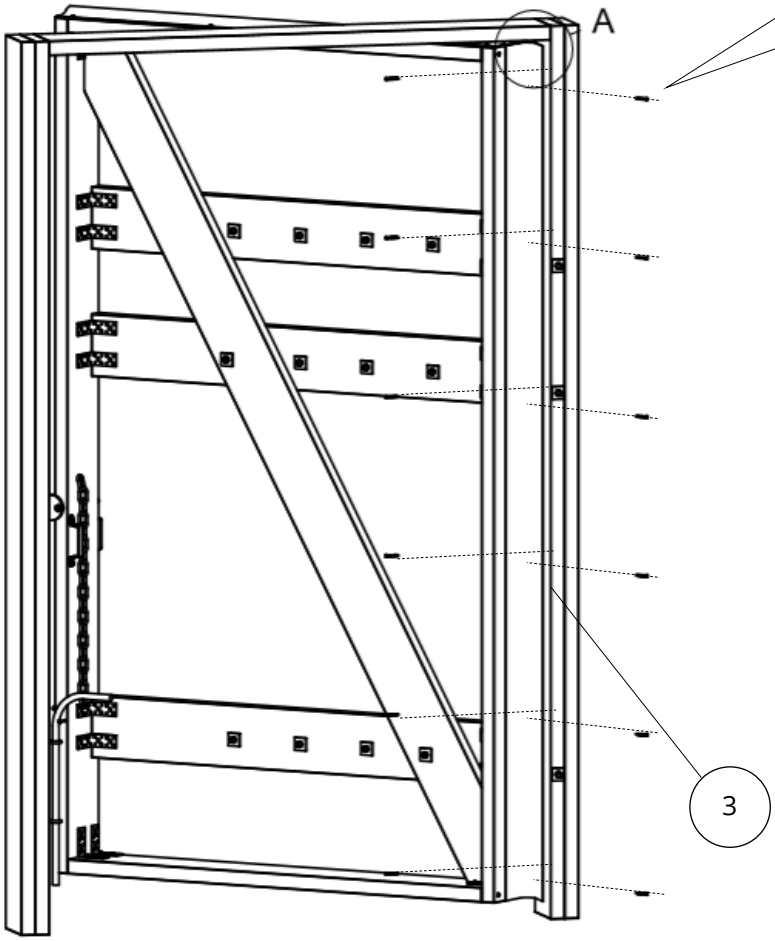
Cut out a strip of the PVC, and attach it to the lower portion of the port door as seen in (4). The PVC stripe should be able to glide over the base floor. Attach the PVC stripe with 5 pcs. Topkon screws.

29

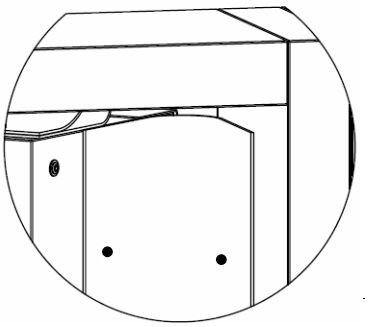


Fasten PVC stripes to port door frame

30



A (1:2)



Fix one end of the PVC stripe to the door and the other to the frame, covering the crack between door and frame.

Please follow the instructions carefully.

If in doubt of anything, please don't hesitate to contact us.

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The dimensions shown are all indicative. Reservations are made for printing errors.