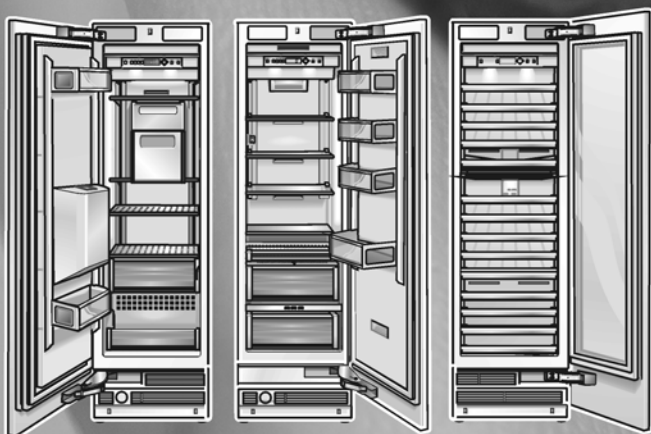




CIR24P..
CIR30P..
FID18P..
FID24P..
CIW18P..

en Installation instruction



BOSCH

Table of Contents

Important Information	3	Mounting Instructions	16
Installation Possibilities	4	1. Checking the installation niche	16
Stand alone appliance	4	2. Transporting the appliance	16
Side-by-side	4	3. Removing the packaging	17
Stand alone appliance with dividing wall	4	4. Preparing the appliance	17
As an end section to a row of kitchen units	4	5. Exchanging the door stops	18
Installing the Appliance	5	6. Preparing the installation niche	20
Installation location	5	7. Attaching an additional anti-tilt mechanism ..	21
Atmosphere grades	5	8. Preparing the water connection	22
Installation niche	5	9. Attaching the edge protectors	22
Neighbouring kitchen furniture	5	10. Setting-up side-by-side	22
Subsurface	5	11. Sliding the appliance into the installation niche	23
Electrical Connection	6	12. Adjusting the appliance in the niche	24
Water Connection	6	13. Fixing the appliance to the niche ceiling	25
Dimensions of the Installation Niche	7	14. Fastening the appliance to the side wall of the installation niche	25
Setting-up as an stand alone appliance	7	15. Connecting water to the appliance	26
Setting-up side-by-side	8	16. Attaching the base strip	26
Site of the water connection	9	17. Switching the appliance on for the first time ..	27
Dimensions of the Appliance	10	18. Preparing the furniture doors	28
45.7 cm appliances – freezer appliances with/without water dispensing	10	19. Loading the appliance door	29
45.7 cm appliances – wine storage compartment	11	20. Attaching adjusting ribs to the furniture door ..	29
61 cm appliances – refrigerated and freezer appliances with/without ice and water dispenser	12	21. Putting the furniture door on its hinges and adjusting it	30
61 cm appliances – wine storage compartment ..	13	22. Fastening the furniture door	31
76.2 cm appliances – refrigerated and freezer appliances	14	23. Shortening the finger protection	33
Tools and Accessories which are needed	15	24. Fitting the finger protection	33
Scope of delivery	15	25. Attaching the covers	34
Additional accessories	15	26. Adjusting the ice and water dispenser	35
Tools	15	27. Attaching covering strips	36
Miscellaneous	15	28. Mounting the air filter	37
		29. Setting the door opening angle	38
		30. Tightening the hinges	38

Important Information

Warning!

The appliances are very heavy and must be secured from tipping when transporting, when mounting and when operating. It is absolutely necessary to fit an anti-tip device.

Keep the doors closed until the appliance has been mounted completely and secured according to the instructions in these mounting instructions.

Because of the weight / dimensions of the appliance and to minimise the risk of injuries and damage to the appliance at least two persons are necessary to setup the appliance securely.

Caution!

Setting up and mounting this appliance requires extensive expertise in various trades (mechanics, carpentry, plumbing, electrics).

It is the duty of the person setting the appliance up to guarantee that it is set up and commissioned securely.

Mistakes in setting the appliance up and damage resulting from this do not come under the warranty of the manufacturer. Terms of guarantee are found in the operating instructions of the appliances.

Warning!

Use the appliances according to the prescribed application.

Pull out the plug or remove the fuse before commencing work on the appliance.

Only allow a specialist electrician to exchange a mains lead.

Only allow customer service to carry out repairs to the appliance.

Apart from statutory national regulations, you should stick to the connection terms relating to the local electricity and water companies.

Apart from statutory national regulations, you should stick to the connection terms relating to the local electricity and water companies.

These mounting instructions are designed to help you install your new appliance. The manufacturer cannot be held liable for mounting which has been improperly carried out. We recommend that you allow a qualified specialist to set up and switch the appliance on for the first time.

Following all information and keeping to the instructions are preconditions for mounting and switching the appliance on safely for the first time.

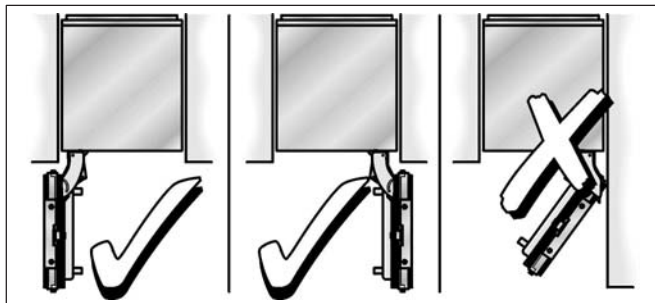
Keep the mounting instructions safe for use later on.

Before setting up and switching the appliance on for the first time, read the mounting instructions fully and thoroughly.

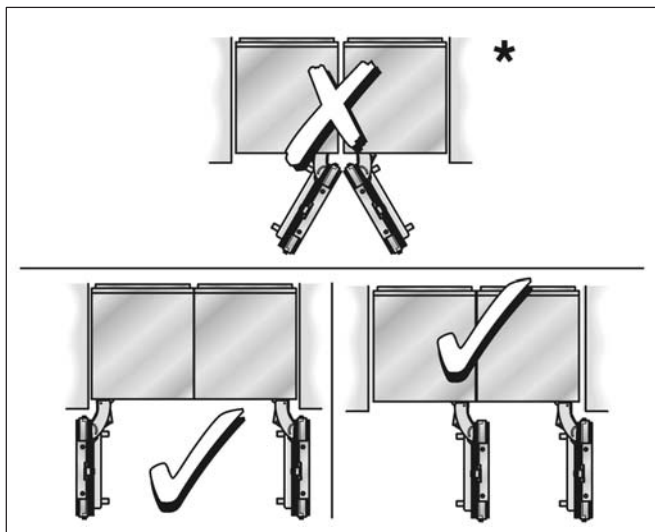
Installation Possibilities

There are various set-up options.
These are only limited by the kitchen design and the finger protection function.

Stand alone appliance



Side-by-side

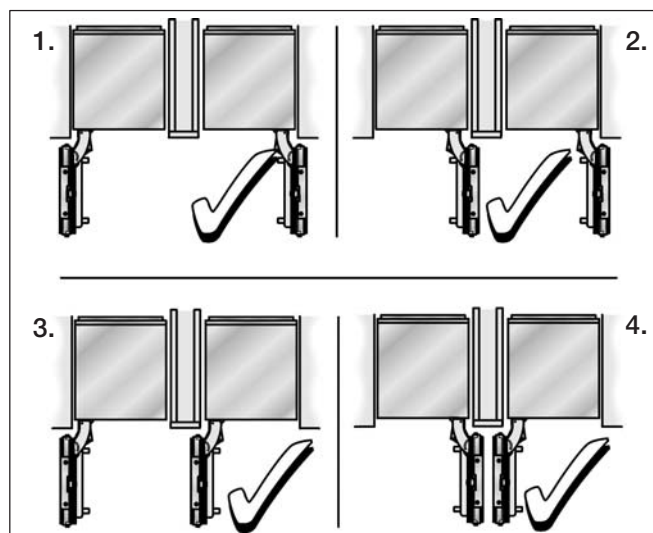


* it is necessary to have a dividing wall!

If two appliances are set up next to each other, a sealing kit for side-by-side combination should be used in order to guarantee a stable connection.

Further information concerning this can be found in the section "Additional accessories" on page 15.

Stand alone appliance with dividing wall



Note:

- When measuring the dividing wall for model 4, pay attention to the thickness of the furniture front to be mounted in order to avoid damage when opening doors at the same time.
- If the distance between the appliances is less than 160 mm, the **heating kit for the side-by-side combination** should be used.

Further information concerning this can be found in the section "Additional accessories" on page 15.

- The minimum thickness of the dividing walls is 16 mm.

As an end section to a row of kitchen units

If a side of the appliance is visible, use a side covering.

The side covering must be connected firmly to the wall, the floor and the upper cupboards before the appliance is slid into the installation niche.

The dimensions of the side covering are governed by the opposing niche wall. During installation, make sure that the installation niche has right angles and has the exact size necessary for the appliance.

Installing the Appliance

Installation location

The appliance should be installed in a dry, well ventilated space.

The location should not be exposed to the direct sunlight and should not lie next to a source of heat such as a cooker or a radiator etc. If installation next to a source of heat cannot be avoided, either a suitable insulating plate should be used or you should keep to the following minimum distances:

- 30 mm from the electric cooker,
- 300 mm from a oil-fired or solid-fuel cooker.

The appliance is very heavy. Data relating to the weight when empty is found in the following table:

Appliance	Weight (empty)
Refrigerator 61.0 cm (24")	approx. 131 kg
Refrigerator 76.2 cm (30")	approx. 145 kg
Freezer 45.7 cm (18")	approx. 109 kg*
Freezer 61.0 cm (24")	approx. 131 kg*
Freezer 76.2 cm (30")	approx. 145 kg*
Wine storage cabinet 45.7 cm (18")	approx. 109 kg
Wine storage cabinet 61.0 cm (24")	approx. 131 kg

* without water and ice dispenser

Atmosphere grades

The atmosphere grade is written on the identification plate. It states the room temperature within which the appliance can be operated.

Atmosphere grade	Permitted room temperature
SN	+10 °C to 32 °C
N	+16 °C to 32 °C
ST	+18 °C to 38 °C
T	+18 °C to 43 °C

Installation niche

It is important to keep to the stated dimensions of the installation niche with a view to trouble-free fitting, and the subsequent appearance of the kitchen furniture frontage. Special care should be taken that the niche has right angles.

The side walls should not exhibit areas that stick out, projections or unevenness.

You should determine the right angles of the installation niche with appropriate means, e.g. by measuring diagonally and by using a spirit level.

The side walls and the upper end of the installation niche must be at least 16 mm thick.

Neighbouring kitchen furniture

The new appliance is screwed down tightly using parts of the cabinet and the upper cabinet.

Care should therefore be taken, that all upper cabinets to which something has been fastened are securely connected to the subsurface or wall by appropriate means.

The minimum thickness of the base should be a minimum of 19 mm.

Subsurface



Warning!

A fully laden appliance is heavy, data relating to the weight when empty is found in the following table.

Appliance	Weight (laden)
Refrigerator 61.0 cm (24")	approx. 400 kg
Refrigerator 76.2 cm (30")	approx. 500 kg
Freezer 45.7 cm (18")	approx. 250 kg*
Freezer 61.0 cm (24")	approx. 350 kg*
Freezer 76.2 cm (30")	approx. 425 kg*
Wine storage cabinet 45.7 cm (18")	approx. 245 kg
Wine storage cabinet 61.0 cm (24")	approx. 310 kg

* without water and ice dispenser

The subsurface must be level and even in order to ensure that the appliance is securely installed and works correctly.

The subsurface must be made from a hard, non-flexible material.

The floor of the installation space must have the same height as the rest of the space.

On account of the weight of a fully-laden appliance, it is necessary to have a bearing subsurface. In the case of doubt, the help of architect or specialist builder should be enlisted.

Electrical Connection

Do not use an extension lead or a multi-plug socket. Connecting this appliance, only use a plug which has been installed securely.

The plug to secure the appliance must be freely accessible. Connect the appliance to a 220–240 V/50 Hz ac current via a plug which has been properly installed. The plug must be fitted with a 10 A fuse or higher.

For appliances operated in non-European countries, the identification plate should be checked whether the electric supply and the current model stated match the vales of the mains supply. For details regarding the position of the identification plate, see section “Calling Customer Service / Identification Plate”. Any necessary exchanging of the mains lead should carried out by a specialist electrician.

 **Warning!**

On no account should the appliance be connected to electric saving plugs or to converters which convert dc current to 230 V ac e.g. solar appliances, marine current mains networks.

Water Connection

A cold water connection is necessary for operating the automatic ice maker. The water pressure must lie between 1.7 and 10 bar. The installation must correspond to the local plumbing regulations.

A separate shut-off valve should be installed in the cold-water inflow.

The shut-off valve should not be located behind the appliance. It is recommended that you mount the shut-off valve directly next to the appliance or at another place which is easily accessible.

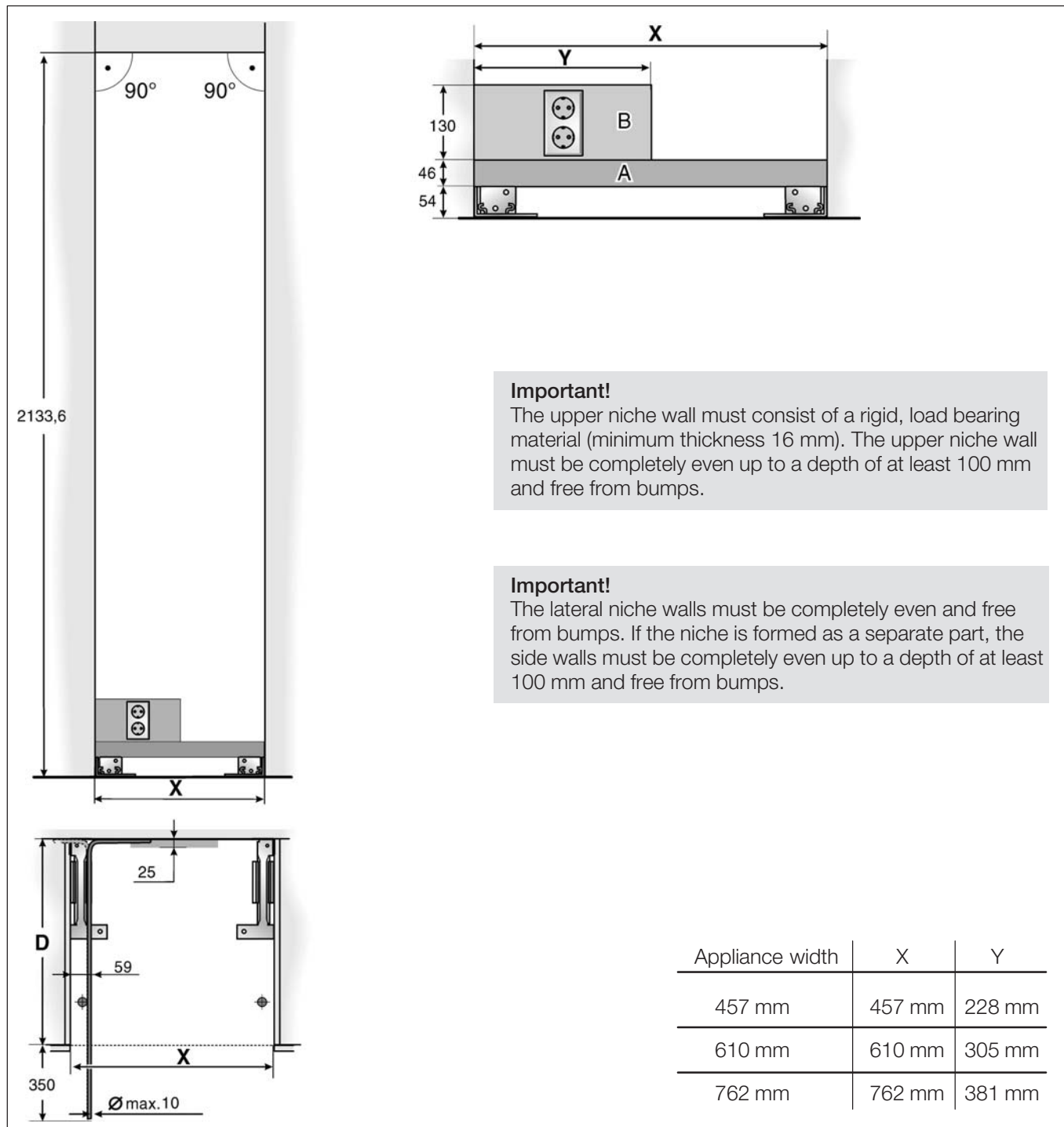
When installing the water connection, pay attention to the permissible installation area for the water mains. For more information concerning the permissible installation areas, see the section “Installation Dimensions”.

Note:

The maximum outside diameter of the water mains (without connecting pieces) is 10 mm.

Dimensions of the Installation Niche

Setting-up as an stand alone appliance



Key:

- A** Area for installation of the water connection
The shut-off valve for the appliance's water connection is to be located in the immediate vicinity of the installation niche such that it is accessible without disassembling the appliance.
If this is absolutely unavoidable, the shut-off valve should be only be installed in the area of the installation areas labelled with A and B behind the appliance.

- B** Area for installation of the electric current
- D** Depth of the installation niche, depending on the kitchen design (see DESIGN GUIDE)
D = 610 mm minimum!

Note:

The installation niche must have right angles. The side walls should not exhibit areas that stick out, projections or unevenness.

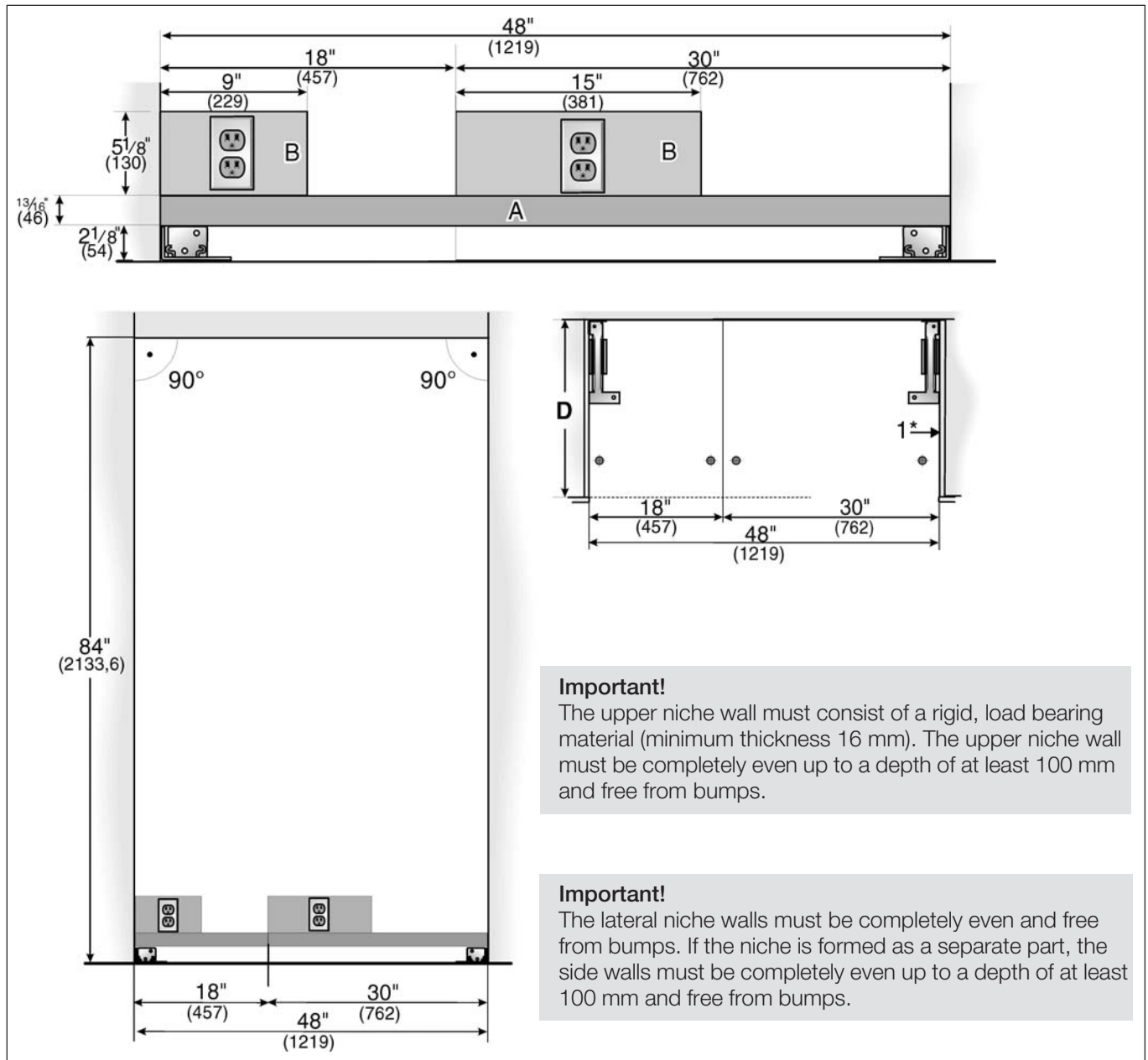
Setting-up side-by-side

The dimensions stated for the respective appliance also apply for the installation of two appliances next to each other.

The overall width of the niche is made up by adding the niche widths necessary for the individual appliances.

Example:

Freezer 45.7cm wide / Refrigerator 76.2 cm wide



Key:

- A Area for installation of the water connection
The shut-off valve for the appliance's water connection is to be located in the immediate vicinity of the installation niche such that it is accessible without disassembling the appliance.
If this is absolutely unavoidable, the shut-off valve should be only be installed in the area of the installation areas labelled with A and B behind the appliance.
- B Area for installation of the electric current
- D Depth of the installation niche, depending on the kitchen design (see DESIGN GUIDE)

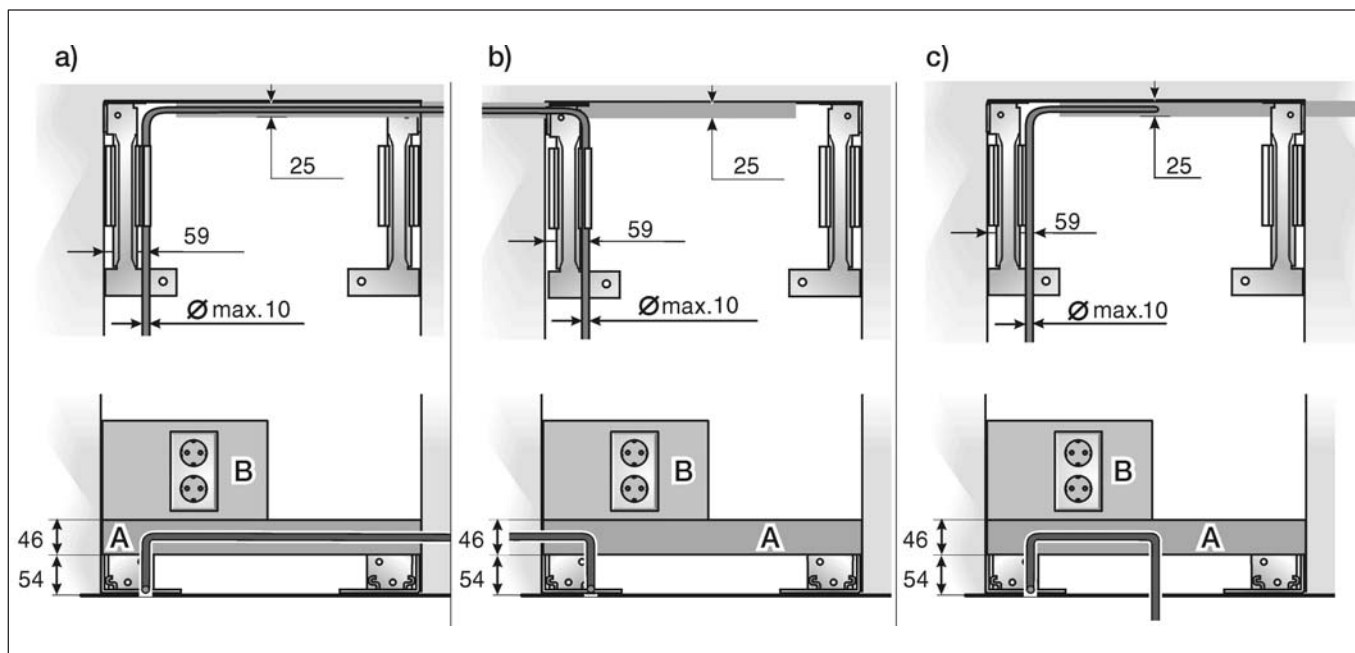
D = 610 mm minimum!

Note:

The installation niche must have right angles. The side walls should not exhibit areas that stick out, projections or unevenness.

Site of the water connection

The mains supply can be laid to the appliance from the right-hand side (a), from the left-hand side (b) or from the space below the appliance (c).



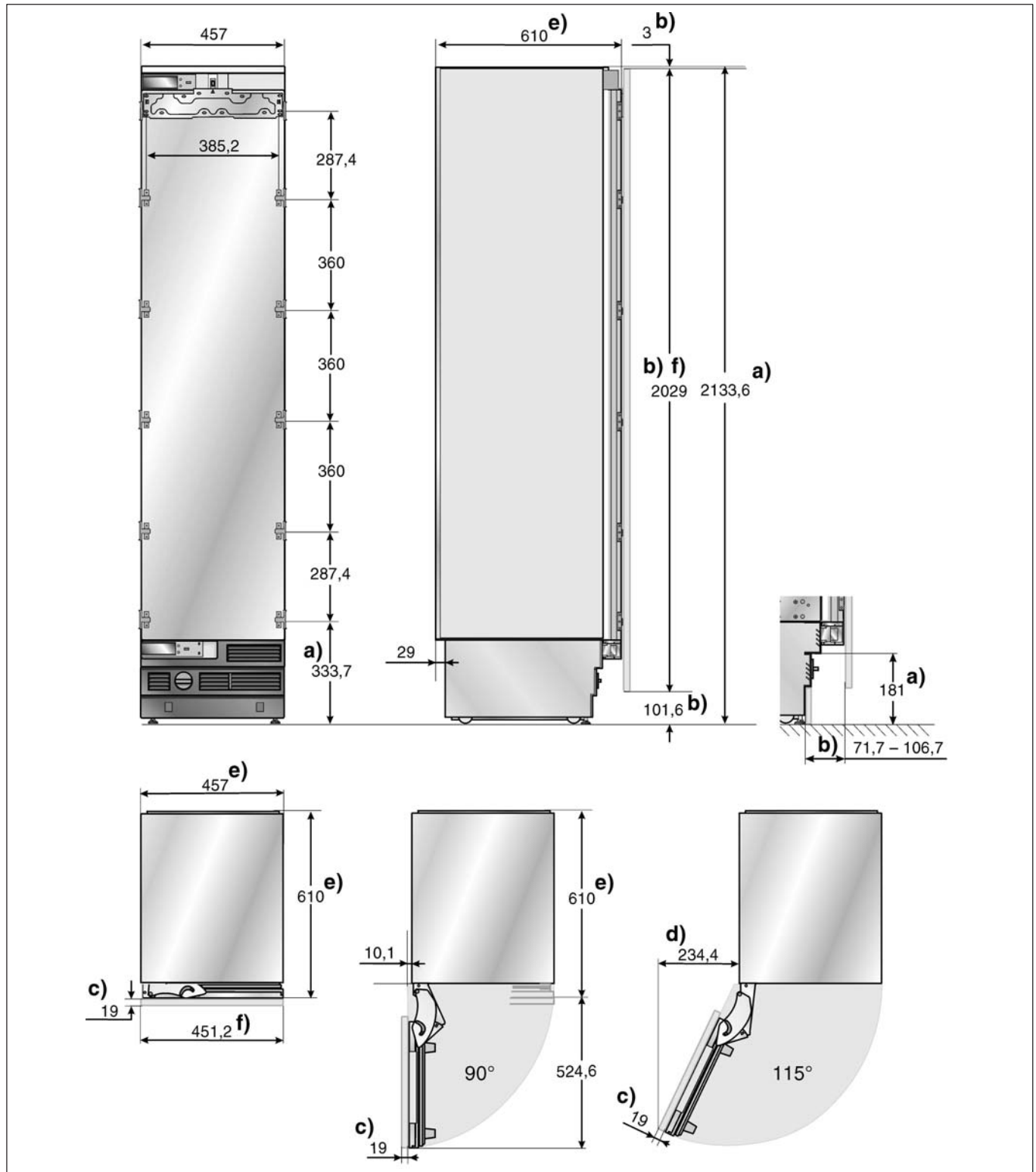
Key:

B Area for installation of the electric current

A Area for installation of the water connection

Dimensions of the Appliance

45.7 cm appliances – freezer appliances with/without water dispensing



Key:

An example is shown with a continuous furniture frontage

a) The adjustment range of the appliance feet is +35 mm / -13 mm.

b) Dimensions can vary.

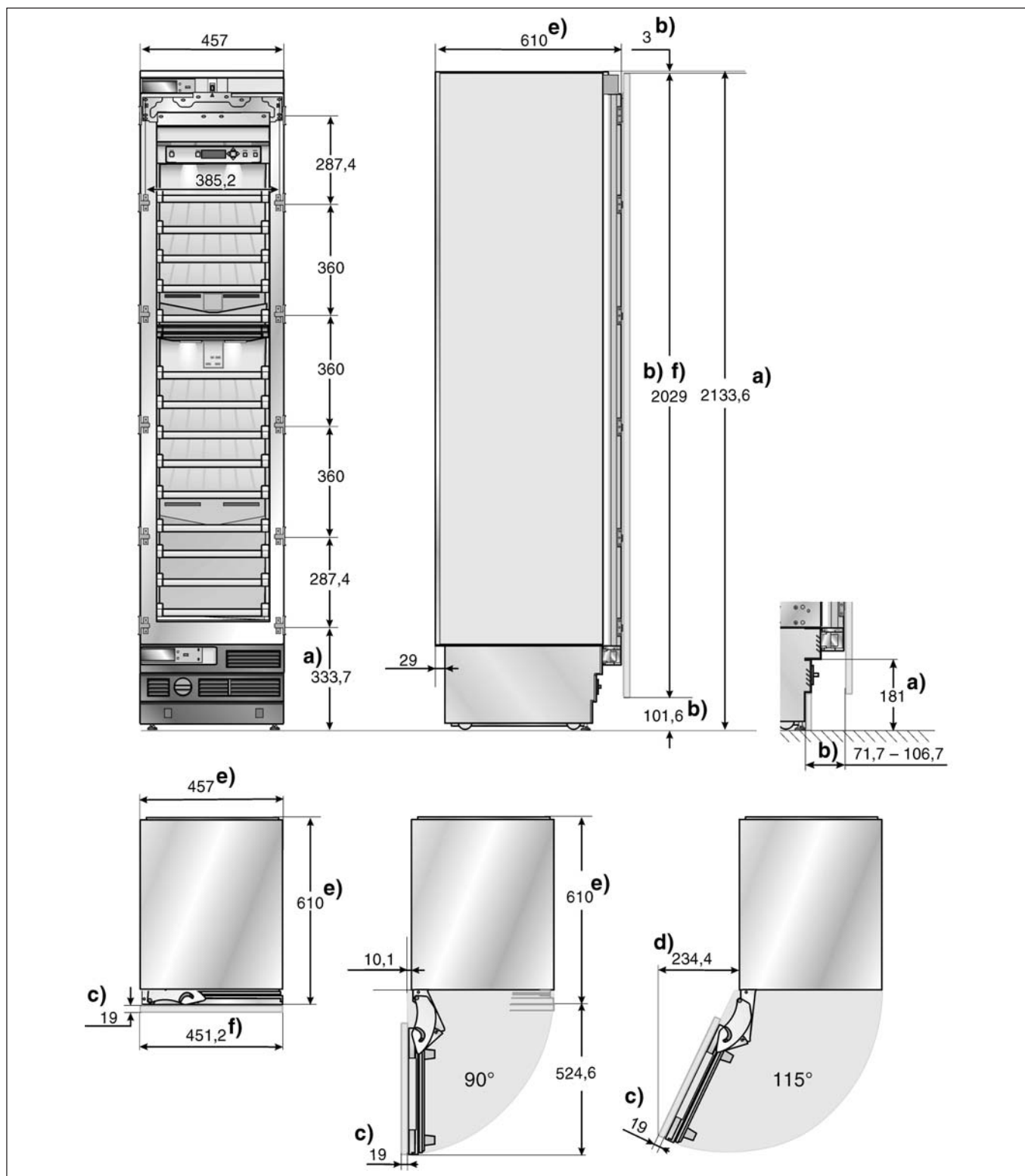
c) The thickness of the door covering can vary.

d) This dimension can vary, depending on installation, thickness of the furniture door to be mounted and the neighbouring kitchen furniture.

e) Dimensions of the appliance

f) Dimensions of the furniture door

45.7 cm appliances – wine storage compartment



Key:

An example is shown with a continuous furniture frontage

a) The adjustment range of the appliance feet is +35 mm / -13 mm.

b) Dimensions can vary.

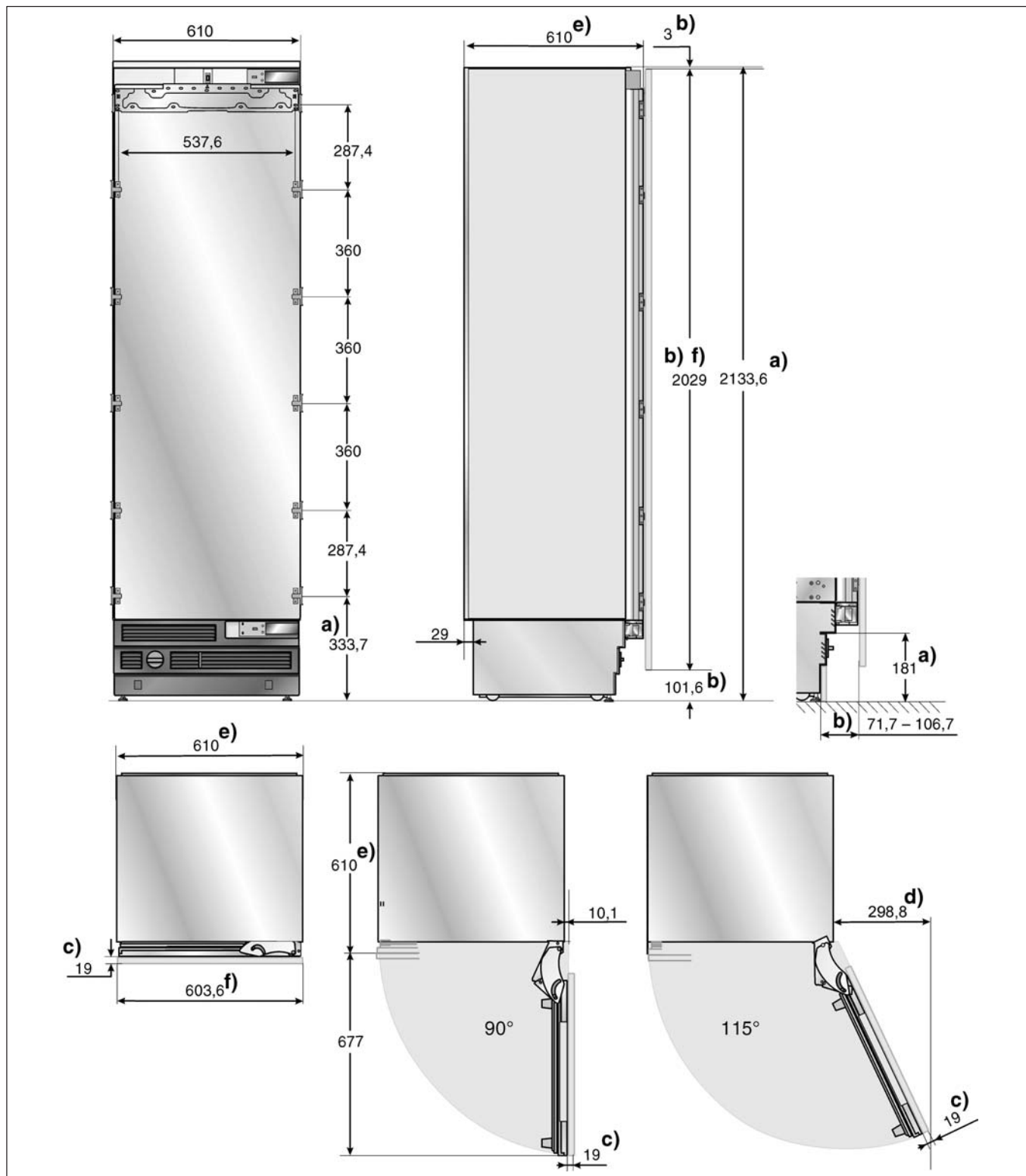
c) The thickness of the door covering can vary.

d) This dimension can vary, depending on installation, thickness of the furniture door to be mounted and the neighbouring kitchen furniture.

e) Dimensions of the appliance

f) Dimensions of the furniture door

61 cm appliances – refrigerated and freezer appliances with/without ice and water dispenser



Key:

An example is shown with a continuous furniture frontage.

a) The adjustment range of the appliance feet is +35 mm / -13 mm.

b) Dimensions can vary.

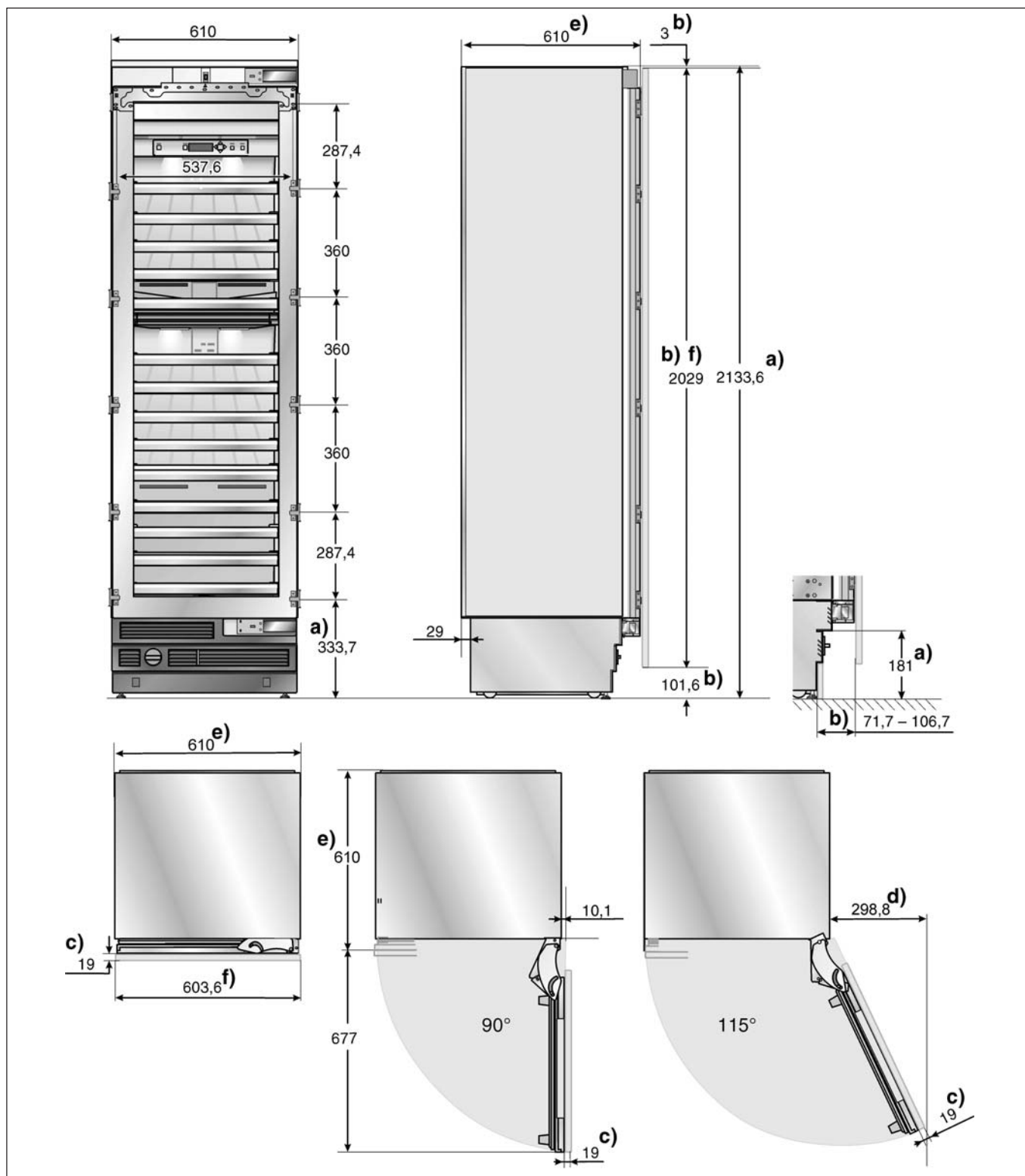
c) The thickness of the door covering can vary.

d) This dimension can vary, depending on installation, thickness of the furniture door to be mounted and the neighbouring kitchen furniture.

e) Dimensions of the appliance

f) Dimensions of the furniture door

61 cm appliances – wine storage compartment



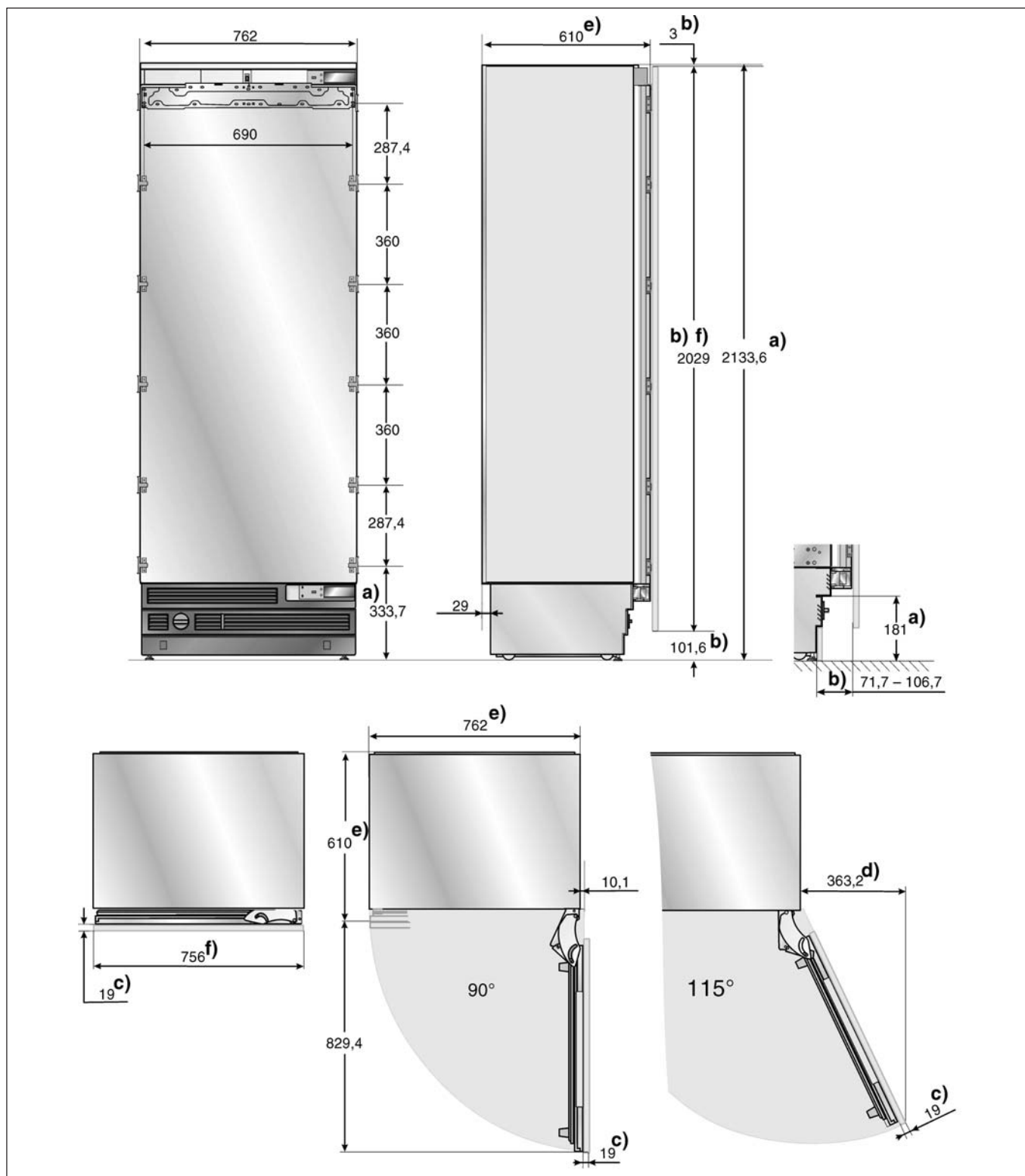
Key:

An example is shown with a continuous furniture frontage.

- a) The adjustment range of the appliance feet is +35 mm / -13 mm.
- b) Dimensions can vary.

- c) The thickness of the door covering can vary.
- d) This dimension can vary, depending on installation, thickness of the furniture door to be mounted and the neighbouring kitchen furniture.
- e) Dimensions of the appliance
- f) Dimensions of the furniture door

76.2 cm appliances – refrigerated and freezer appliances



Key:

An example is shown with a continuous furniture frontage.

- a) The adjustment range of the appliance feet is +35 mm / -13 mm.
- b) Dimensions can vary.
- c) The thickness of the door covering can vary.
- d) This dimension can vary, depending on installation, thickness of the furniture door to be mounted and the neighbouring kitchen furniture.
- e) Dimensions of the appliance
- f) Dimensions of the furniture door

Tools and Accessories which are needed

Scope of delivery

- Mounting instructions
- Operating instructions
- Installation accessories

Additional accessories

Installation accessories for side-by-side installation

For permanent connection of two appliances, e.g. a freezer next to a refrigerator.

Lateral additional heating

Necessary when the distance between two appliances is less than 160 mm.

Finger protection, axtra long

Connecting unit for furniture doors

For connecting two furniture doors (see explanation on page 28). It can be used for standard height furniture doors without any preparation work.

Tools

- T20 rechargeable screwdriver
- T20 Torx screwdriver
- T20 Torx-bit + magnetic holder
- 8 mm socket wrench
- Various size drills
- Fixed spanner SW 13 mm
- Adjustable spanner
- Knife with an adjustable blade
- Metal tape measure
- Angle of contact
- 60 cm and 120 cm spirit levels
- Straight edge

for stand-alone appliances min. 120 cm long

for setting up two appliances side-by-side
min 200 cm long

Miscellaneous

- Step ladder
- Trolley, wheelbarrow or sack barrow
- Hammer drill for drilling holes into the wall and floor
- Various size drills for various materials
- Wood plank, (min. 8 x 10 cm) as an alternative anti-tip device. Length should correspond to the width of the installation niche
- Various size wood screws
- Thin (1.5 mm), suitable material to protect the floor against damage (e.g. linoleum)
- Suitable material for covering and protecting the cabinets (e.g. protective film)
- Adhesive tape

Mounting Instructions

Caution!

The following mounting instructions describe mounting steps for various appliance models.

Therefore, deviations may occur from that shown in the diagrams.

Reference is made to specific mounting steps for individual appliances.

1. Checking the installation niche

Warning!

In order to guarantee secure, trouble-free installation and an optimal overall impression of the adjacent cabinet frontage careful care should be taken in ensuring that the installation niche corresponds to the installation requirements.

Before starting with the installation, check that the installation niche corresponds to all of the requirement for a secure and trouble-free installation.

- Check the subsurface.
Follow the notes in the section “Installation location”.

- Check the dimensions of the niche.
- Re-examine whether the niche has right angles.
- Re-examine the positioning of the plug.

Additionally follow the instructions in the sections “Electrical Connection” and “Dimensions of the Installation Niche”.

- Re-examine the positioning of the water connection (for appliances with ice maker).

Additionally follow the instructions in the sections “Water Connection” and “Dimensions of the Installation Niche”.

- Re-examine the stability and fastening of the neighbouring cabinet parts. All cabinet parts in the vicinity of the appliance have to be firmly connected to the wall.
- Re-examine that when opening the appliance door, it does not collide with neighbouring kitchen parts. (for door opening angle, see DESIGN GUIDE)

2. Transporting the appliance

Caution!

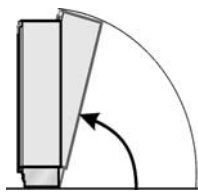
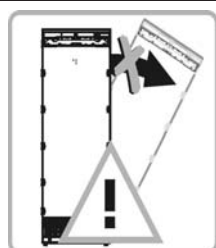
The appliance is very heavy. Handle it carefully, as otherwise people helping to lift it could be hurt or the appliance could be damaged.

Transport the appliance with an aid to transport which is suitable (sack barrow, trolley or wheelbarrow).

When transporting, secure the appliance from being tipped.

When transporting, secure the appliance from being tipped. The appliance has a height of 2134 mm. If it is not possible to support the appliance in a vertical position because of the structure of the building, the appliance can be transported on its side.

When putting the appliance up, pay attention to the minimum height that is required at the assembly location according to the following table:

Width of appliance	Putting the appliance up via its rear side	
		
45.7 cm / 18"	218.5 cm	Never put the appliance up via its side!
61.0 cm / 24"		
76.2 cm / 30"		
91.4 cm / 36"		

3. Removing the packaging

Warning!

- The appliance could tip over when unpacking.
- The appliance is very heavy.
- The appliance could tip over when the appliance door is opened.

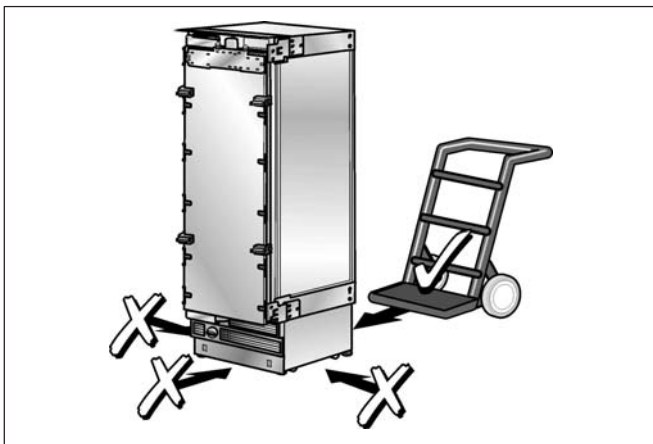
Handle it carefully, as otherwise people helping to lift it could be hurt or the appliance could be damaged.

To protect the subsurface from damage whilst installing:

- Put a carpet or spare piece of linoleum (or other such item) down and attach it to the floor using adhesive tape in front of the planned fitting site.

Warning!

Always place the means of transport centrally on the rear side of the appliance. Never push it in from the front or from the side under the appliance.
Risk of damage to the appliance!



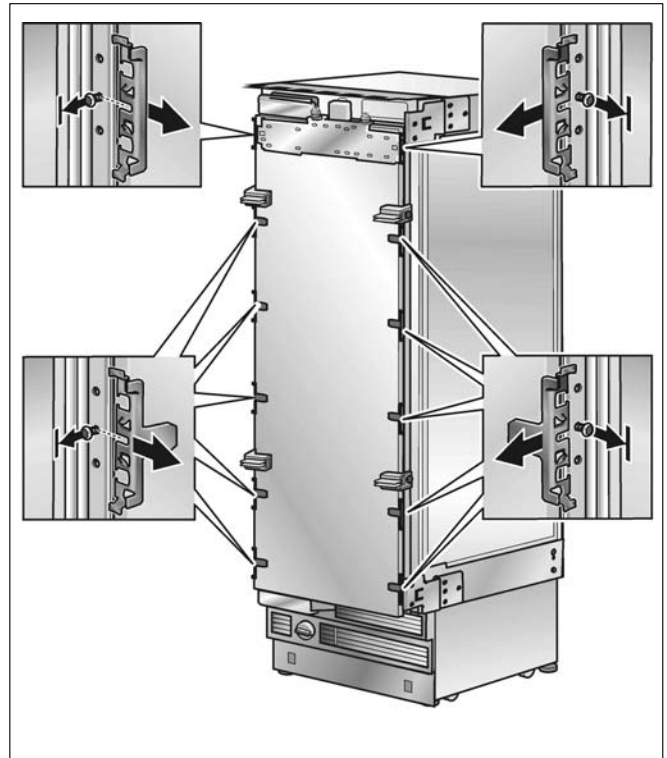
- Move the appliance using a trolley, sack barrow or wheelbarrow.
- Removing the transportation packaging:
Remove the cardboard. Be careful when using the knife so as not to damage the surface of the appliance.
Take the supplied accessories from the protective parts of the packaging.

Warning!

Only remove the transporting securing units with which the slide-in bases and the storage compartments in the appliance are protected after completing the installation as otherwise, parts could be damaged.

- Check the appliance for damage.
Do not install the appliance if there is visible damage.
If there are queries, please contact the dealer.

4. Preparing the appliance



- Remove the lateral fastenings and fastening sheets with which the cabinet fronts are attached. To do this, loosen the fastening screws and remove the stops.

Note:

Keep the stops safe as otherwise they may become lost.

5. Exchanging the door stops

Warning!

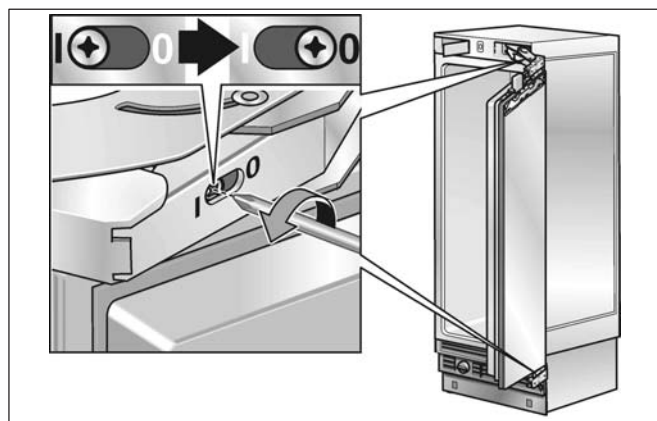
Before carrying out any work to the door hinges, release the spring pressure – risk of injury!

Depending on the requirements of the assembly location the door stop can be exchanged to the other side.

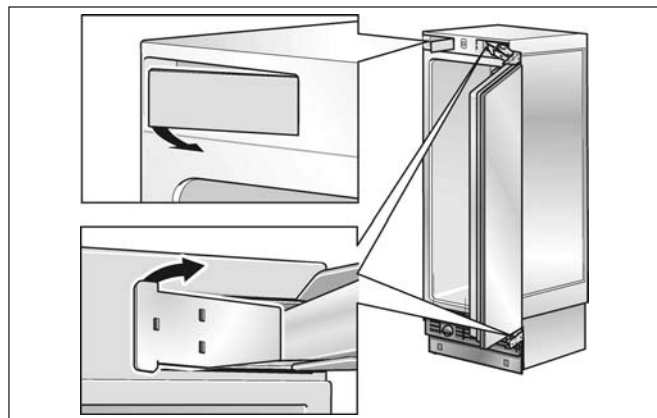
If exchanging a door stop is not necessary, proceed to the next step.

Note:

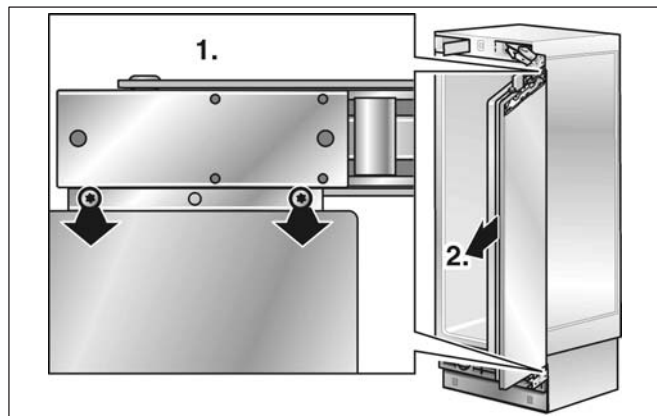
The door stop cannot be exchanged in the case of freezers with ice and water dispensers.



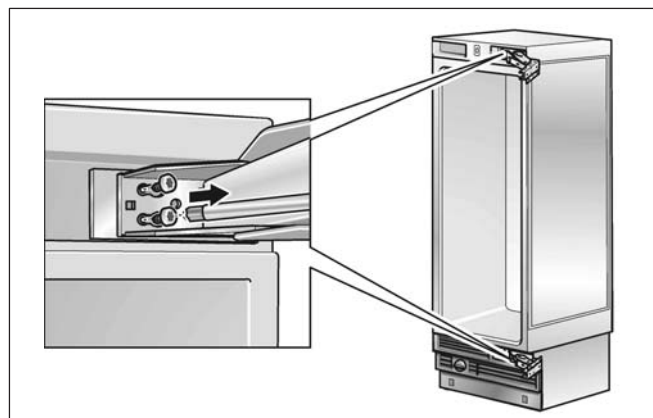
- Release the spring pressure on the hinge. In addition, set the screw from I to 0.



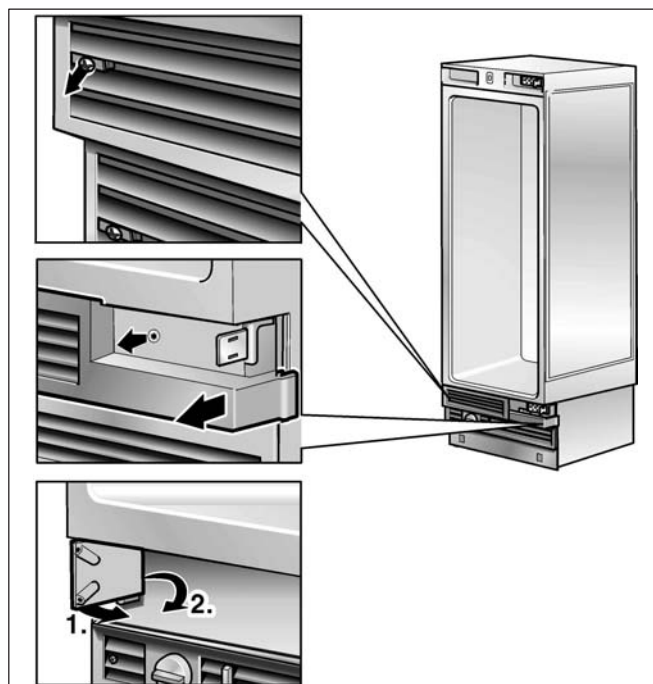
- Remove the hinge covering.



- Unscrew the door.

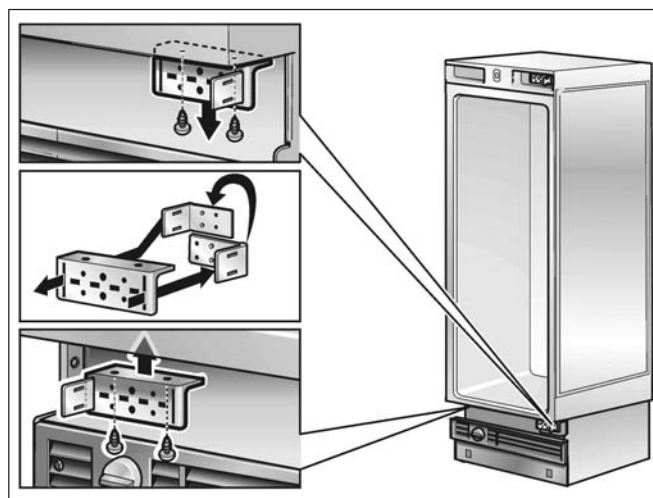


- Remove the hinges.

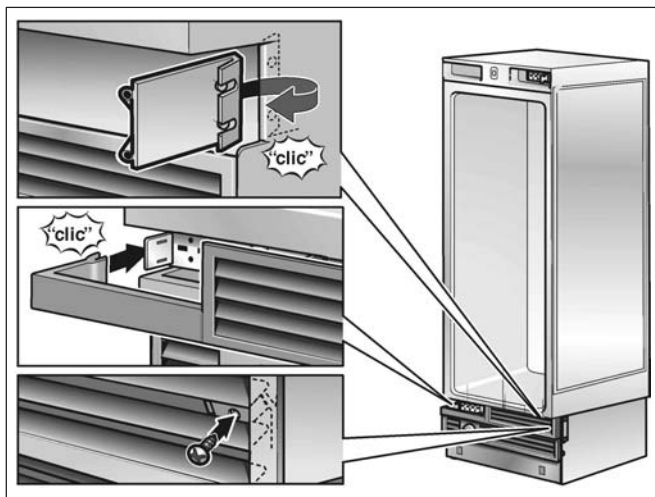


- Remove parts of the ventilation grille.

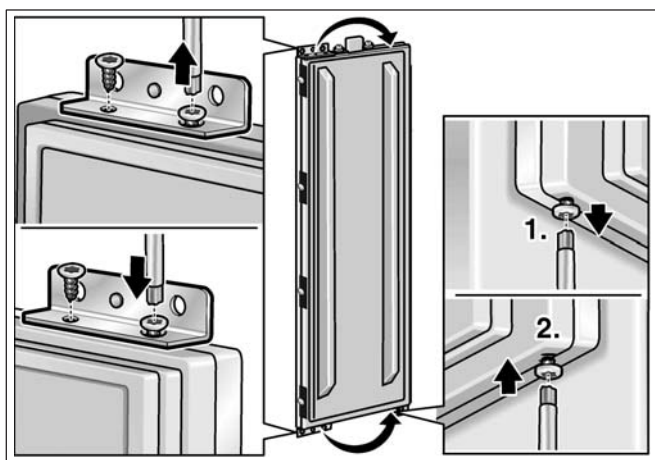
A ventilation grille is enclosed with the appliance for the changed door stop position. In further mounting the appliance, use this part.



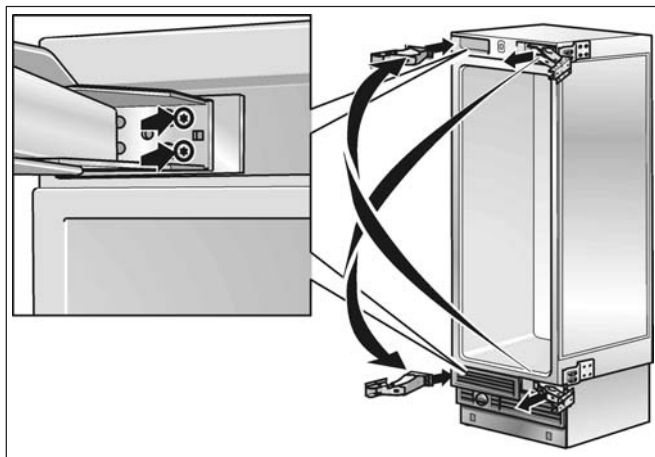
- Swap the hinge angle to the other side.



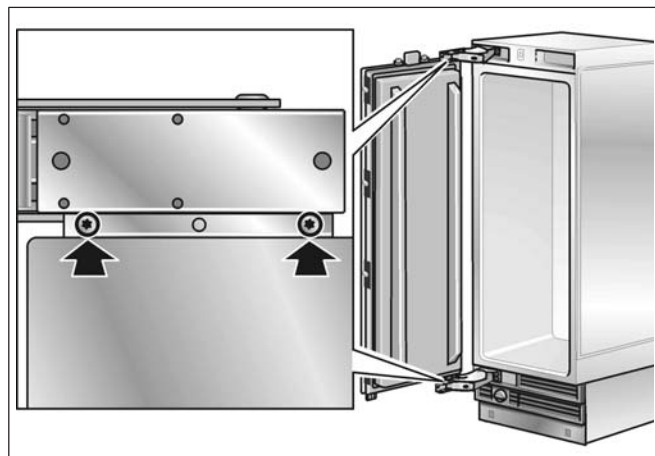
- Fit in the plastic part of the new ventilation grille.
- Mount the new ventilation grille.



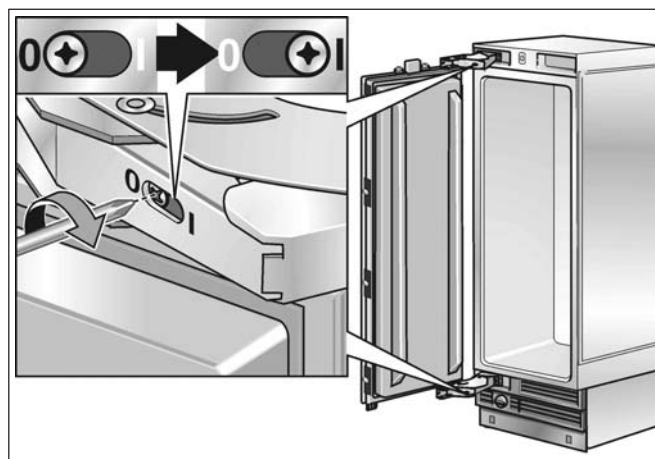
- Attach the hinges to the appliance.



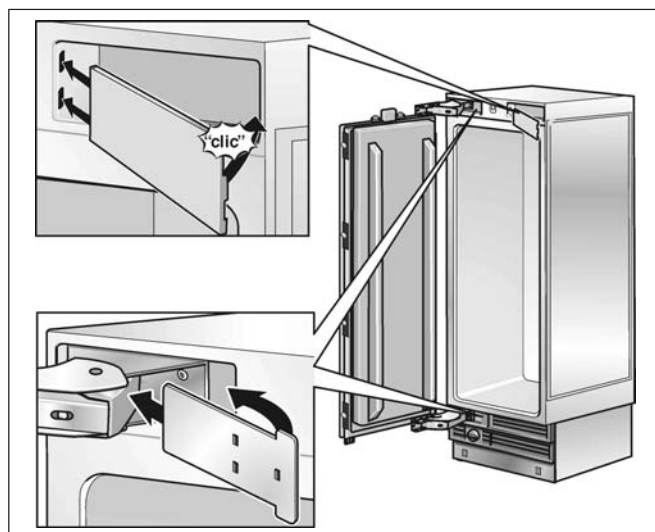
- Exchange the hinges crosswise!



- Screw the door to the hinges.



- Tighten the screw. In addition, set the screw from I to 0.



- Attach the hinge covers.

6. Preparing the installation niche

Note:

For each appliance, two anti-tilt ribs are needed.

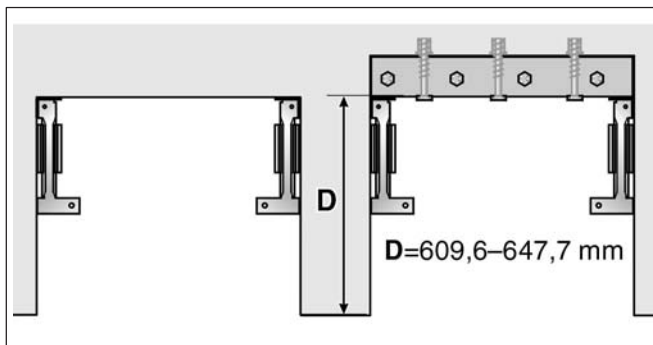
In the case of a side-by-side combination, a total of two anti-tilt ribs are used.

- Determine the fastening points of the anti-tilt ribs.

Determine the actual dimensions according to the section "Installation Dimensions".

Caution!

Ensure that in the wall area there are no electrical wires or pipes which could be damaged by pipes.
Risk of injury or damage!



- If a installation niche is deeper than the appliance, lay a strong wooden plank behind the anti-tilt ribs and screw tightly to the subsurface or the wall.

The length of the plank should correspond to the width of the installation niche!

Important note:

As far as possible, always screw the wooden plank to the rear wall of the niche.

In the case of some fitted shapes, it may be necessary to screw in at an angle the wood screws used to fasten the anti-tilt ribs to the rear wall.

Important information for securing against tilting:

- The set supplied, contains fastening screws for various subsurfaces. Select the fastening screws corresponding to the local conditions.
- If it is not possible to securely fasten the anti-tilt ribs and consequently, not possible to securely fasten the appliance using the fastening screws supplied, select another suitable method for securely fastening the anti-tilt ribs.

Subsurface wooden floors

The wood screws (5 x 60 mm and 4 x 15 mm) which are supplied should be used for wooden floors.

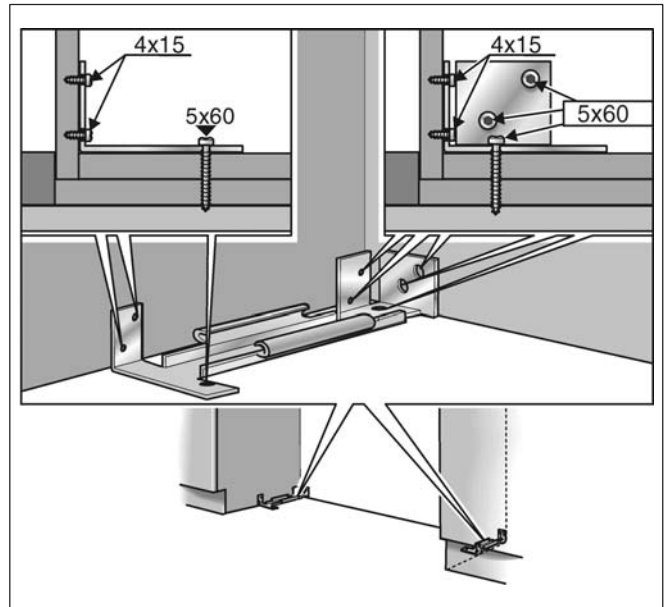
- Drilling guide holes:

3 mm for the wood screws (5 x 60 mm)

2 mm for the wood screws (4 x 15 mm)

Ensure that the screws 5 x 60 at least take a hold (19 mm) in the solid subsurface.

- Tightly screw the anti-tilt ribs.
Re-examine to make sure that the screws are firmly tightened!



Subsurface concrete

Warning!

When installing or working with floor anchors, always wear protective glasses or other protective equipment / clothing. Risk of injury!

Floor anchors are not suitable for use in connection with lightweight construction masonry, breeze blocks or tiles.

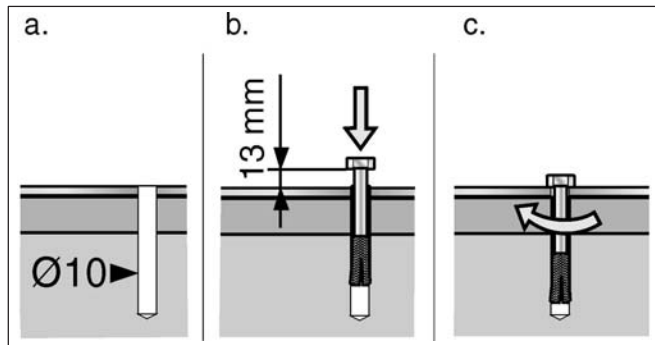
Never use floor anchors in fresh concrete which has not hardened.

In drilling holes for these floor anchors, do not use core drills.

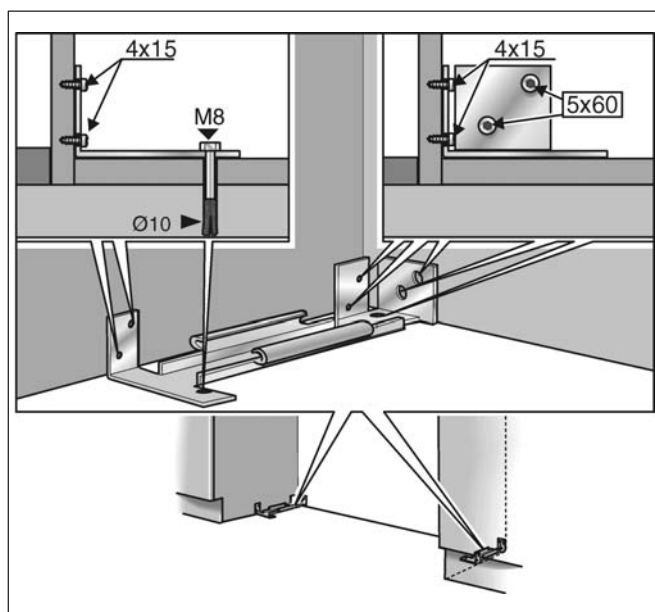
Use a floor anchor M8 and a screw M8. In addition, use the wood screws supplied (5 x 60 mm and 4 x 15 mm).

- Drill a hole with a 10 mm diameter having a depth a little more than the raising depth.
Use the drill supplied.

- Clean the hole or drill a little deeper.



- By hand, screw into the dowel until you can feel resistance.
- Strike the dowel and screw into the hole until the head of the screw has a 13 mm distance to the anti-tilt securing device.
- Screw tightly.



- Additionally use the supplied wood screws (if the subsurface allows).

7. Attaching an additional anti-tilt mechanism

Important note:

As far as possible, always screw the wooden plank to the rear wall of the niche.

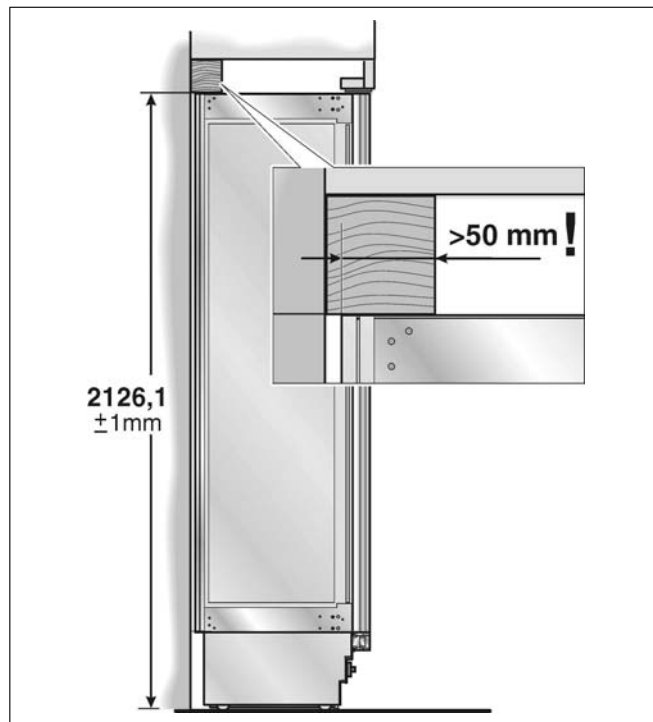
If the anti-tilt ribs cannot be fastened securely, a wooden beam can be used above the appliance as an alternative anti-tilt mechanism. Care should be taken that there is not a gap between the appliance and the wooden beam.

- Cut the wooden plank to the required length (cross section min. 8 x 10 cm).

The length should correspond to the width of the installation niche!

Note:

- If the installation niche is deeper than the appliance, select a stronger beam or use two, one behind the other.
- The plank must overlap the appliance by at least 50 mm.



- Mark the installation height (underside edge of the plank) on the rear wall of the niche.
- Select the screws according to the thickness of the wooden plank: Length min. 2.5 x wood thickness, diameter 12 or 14 mm.

Note:

Select the number of screws corresponding to the niche width so that you ensure that the plank can be securely mounted.

According to the subsurface:

- Look for the supports on the rear wall of the niche and mark the drill holes on the plank corresponding to the position of the support.

or

- Fasten suitable dowel into the rear wall.
- Pre-drill.
- Screw the plank onto the rear wall of the niche.

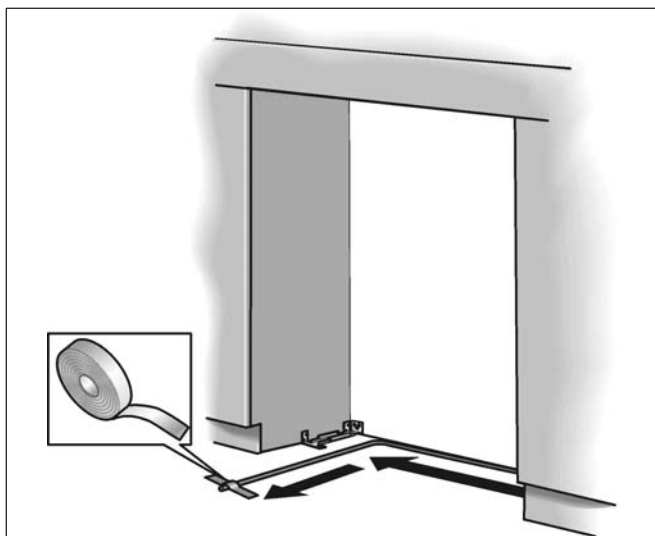
8. Preparing the water connection

(only for appliances which require a water connection)

⚠ Warning!

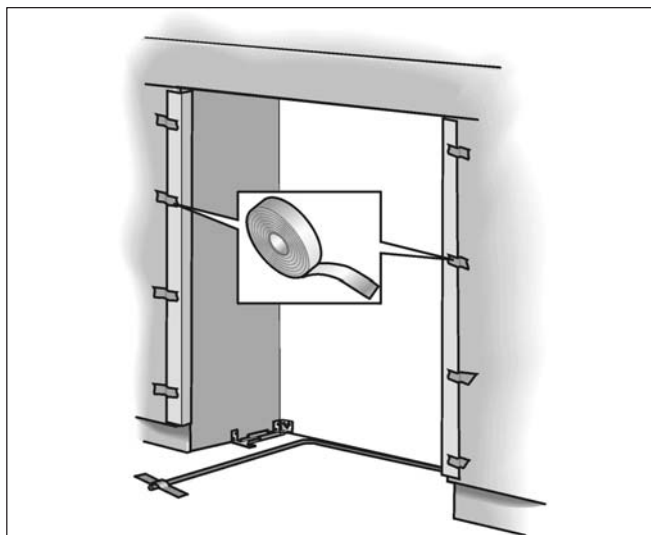
Turn off the main water tap in order to avoid damage from escaping water.

- Lay the connection pipe. Always keep to the given installed area in order to avoid damaging the connection pipe when sliding the appliance in later.



- Fix the connection pipe to the floor with adhesive tape.

9. Attaching the edge protectors

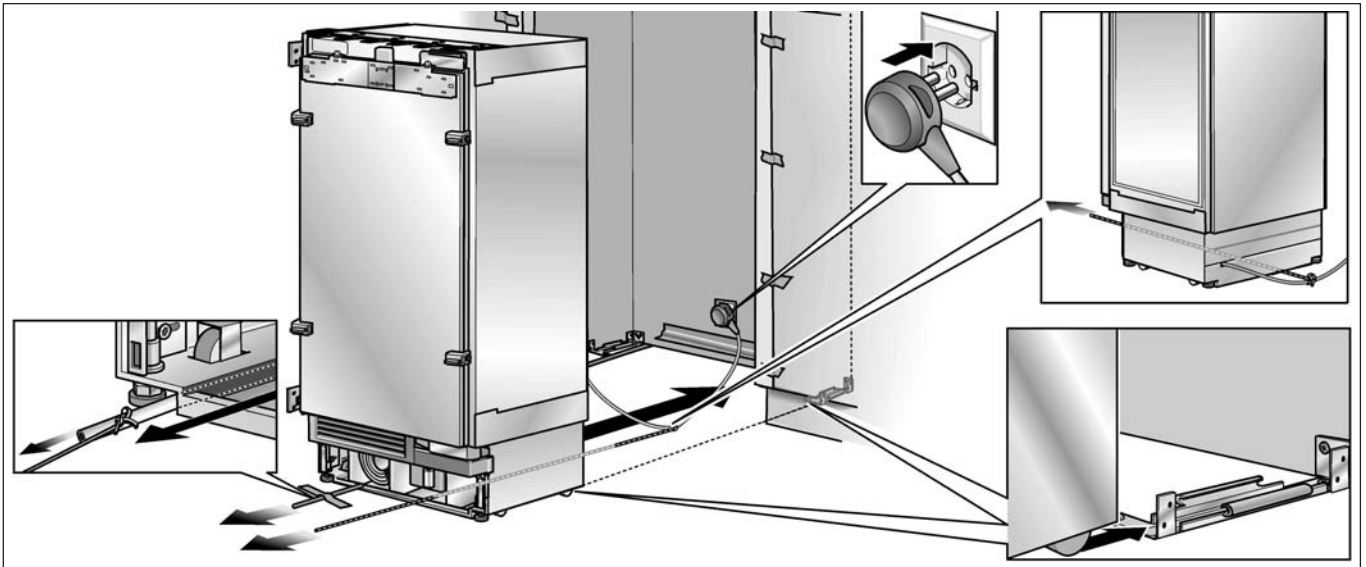


- In order to protect the edges of the installation niche, attach the supplied protection ribs with adhesive tape.

10. Setting-up side-by-side

If a side-by-side set up of two appliances is envisaged, connect the two appliances to one another now. Further information concerning the side-by-side set up can be found in the mounting instructions of the sealing kit.

11. Sliding the appliance into the installation niche



Note:

If the floor or appliance is skew in relation to the installation niche, the height-adjustable wheels should be correspondingly adjusted before sliding the appliance into the niche.

- Plug the mains plug into the socket.

Note:

A separate plug is necessary for each appliance in the case of side-by-side set up!

- Protect the mains lead from getting wedged under or behind the appliance.

Recommended procedure:

Tie a rope onto the middle of the mains lead and slide the appliance forwards. Pull the cable onto the rope when sliding the appliance into the niche.

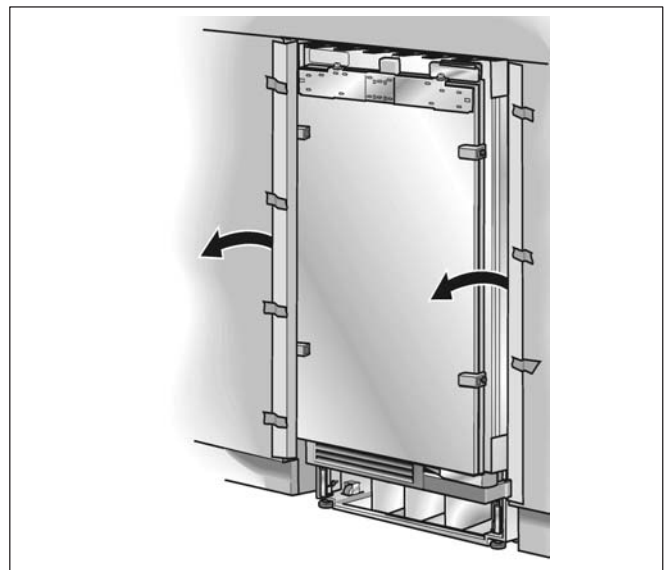
or

Fasten the mains lead onto the floor with adhesive tape, in the middle behind the appliance approx. 38 cm from the rear of the niche.

- Slide the appliance carefully into the niche until the height-adjustable wheels grip into the anti-tilt mechanism.

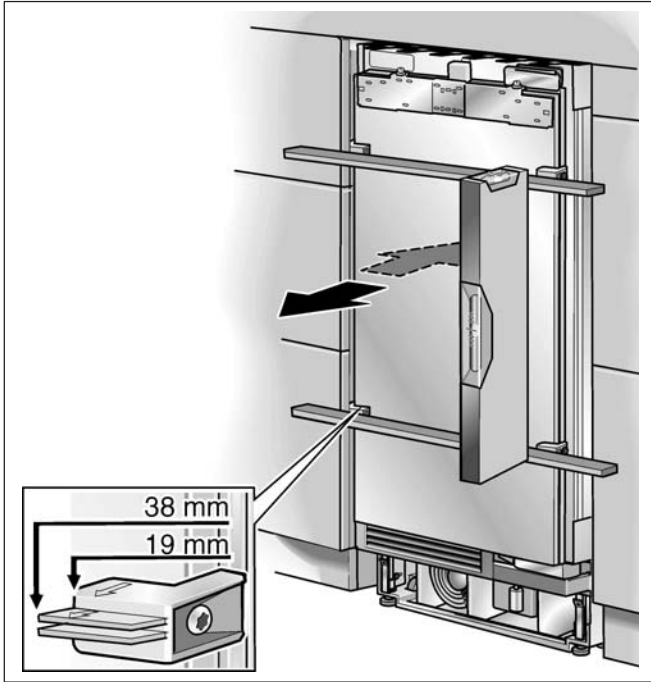
Warning!

Be careful when sliding the appliance into the installation niche. The water connection or mains fixed on the floor could be damaged.



- Remove the edge protector of the installation niche.

12. Adjusting the appliance in the niche



- Adjust the appliance to the existing furniture.
Keep the straight edge on the door, above the positioning supports.

The positioning supports are set out for the following overall strengths of the furniture doors to be mounted.

- 19 mm
- 38 mm

Re-examine the actual thickness of the doors to be mounted in order where necessary, to be able to compensate possible digressions.

The height-adjustable feet on the front and rear can all be adjusted from the front:

Front: with a fixed spanner SW 13 mm

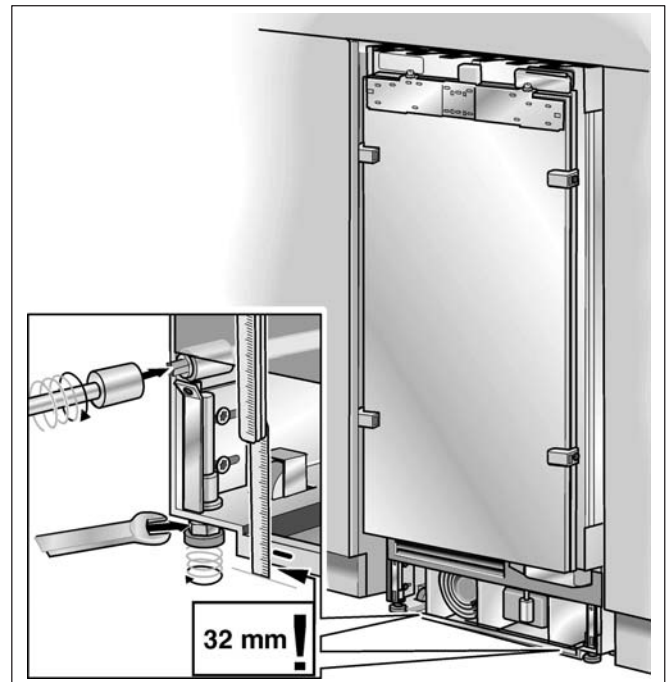
Rear: with a socket spanner with flexible shaft



Caution!

Never use a rechargeable screwdriver for setting the height of the appliance.

A mark is made on the base of the appliance which serves as a standard measurement for setting the height. When setting the height, raise the mark to 32 mm above the ground.



- Screw the height-adjustable screws as far downwards as possible until the marking on the base has reached the given height (32 mm).

Note:

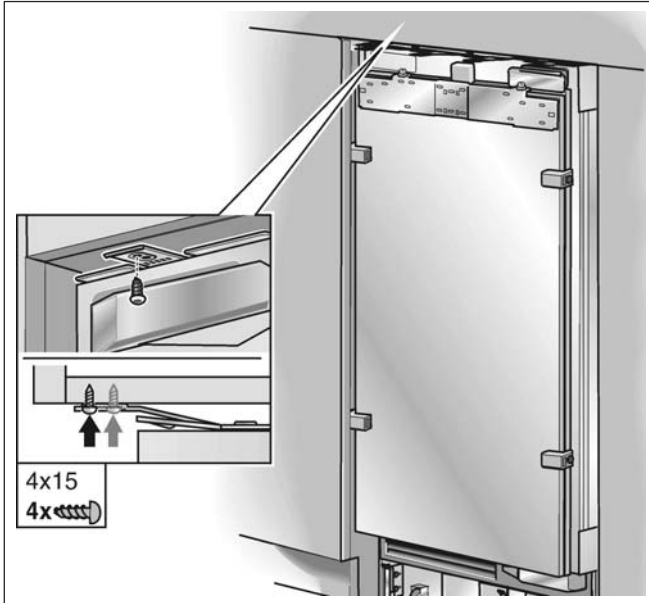
This dimension is very important for the subsequent adjustment of the cabinet frontage.

- Adjust the front of the appliance with the spirit level.

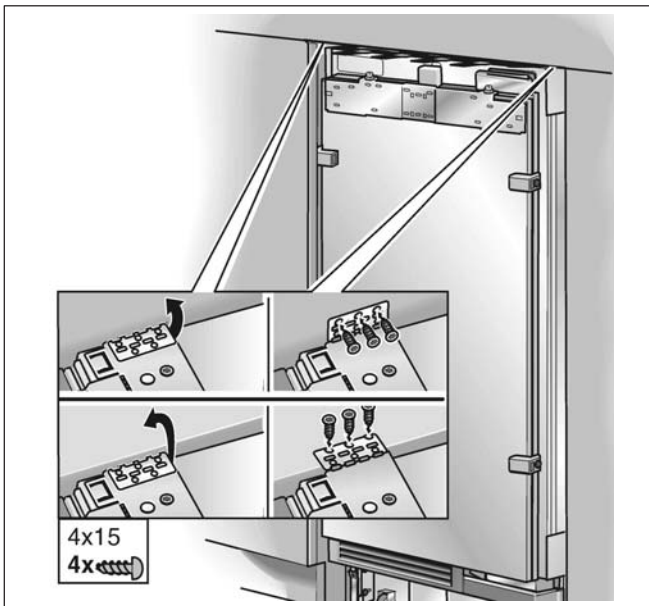
Note:

- Do not tip the appliance in the niche! When screwing down the height adjustable feet, proceed step by step. Lower by alternating left to right.
- The rear feet can be set easier when the appliance is not loaded on the rear.
- When using a wooden plank as an alternative anti-tilt mechanism as in point 7 of these mounting instructions, turn the appliance as far as it will go against the wooden plank. Do not bend against the wooden plank!

13. Fixing the appliance to the niche ceiling



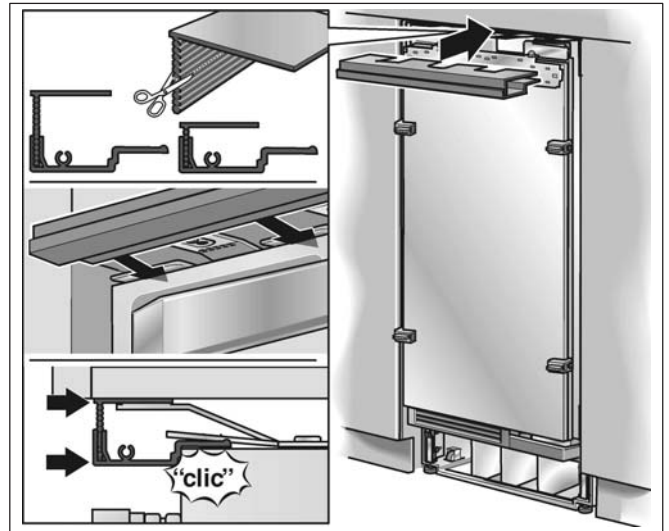
- Screw on the front bars of the fastening sheets (above) with the upper cabinets.



- Fasten the lateral bars of the fastening sheets (above) in each case, according to the installation conditions.

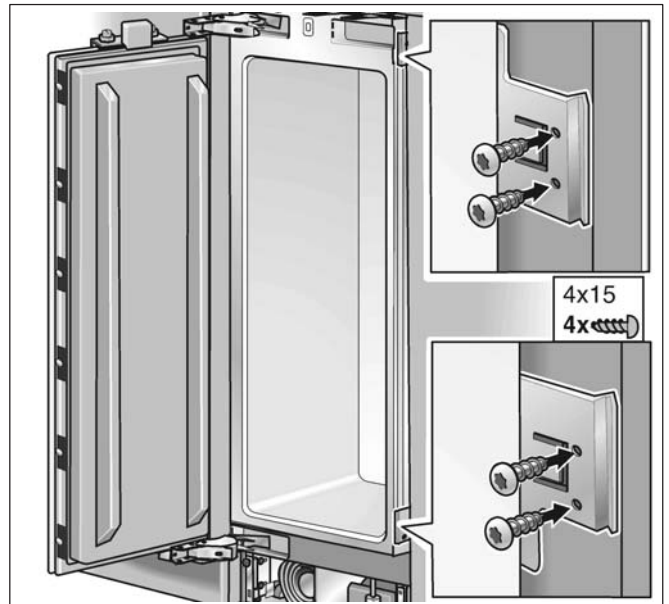
If there is no or only a small crack available, the lateral bars do not have to be fixed.

- If there is a large crack available above the appliance, integrate a wooden plank above the appliance and pay attention that the crack is completely filled.



- Attach the covering ribs onto the fastening sheets (above), cut the connection ribs to the desired height!

14. Fastening the appliance to the side wall of the installation niche



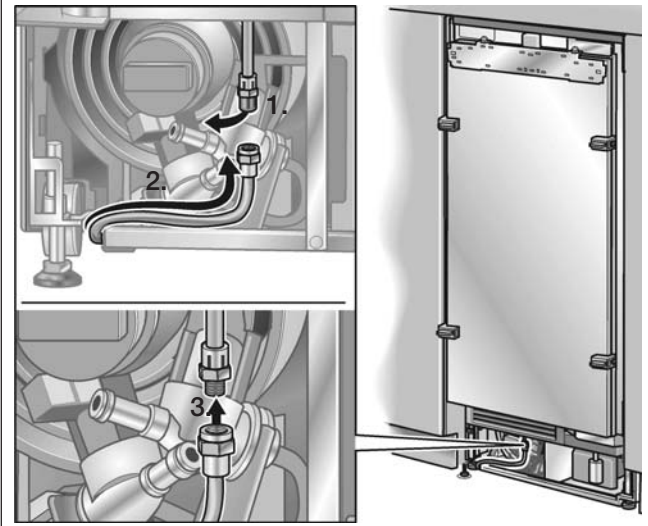
- Screw on the bars of the fastening sheets (lateral) with the cabinet parts located next to them.

15. Connecting water to the appliance

Supplied, is a flexible hose for a domestic mains connection $\frac{3}{4}$ ". Care should be taken that the supplied sealing elements are mounted on the appliance and the shut-off valve!

Warning!

Do not kink the hosepipe when bending, otherwise there is the risk of water damage and leakage.



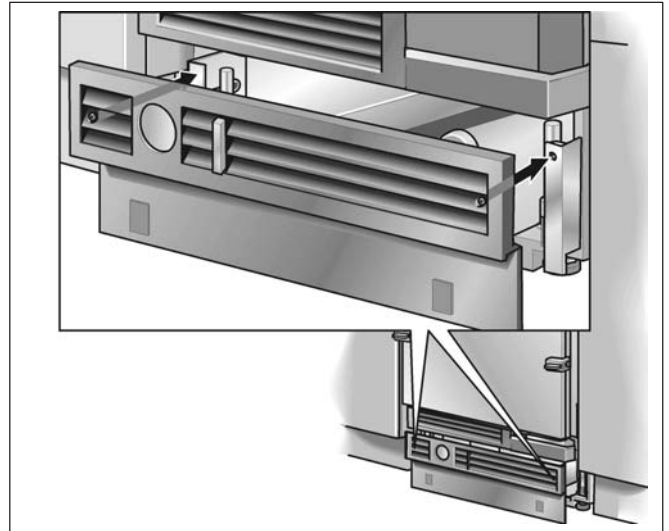
- Remove the plugs from the appliance connection (1).
- Lay the water hose such that it ends at the appliance connection (2).
- Slide the union nut and the sealing element onto the water hose.
- Attach the water hose to the appliance connection and screw on the union nut (3). Screw tightly, using manual force.
- Screw the union nut tightly using the fixed spanner. Do not over tighten!
- Turn the shut-off valve and the main water tap. Re-examine the point of connection at the shut-off valve and the appliance connection for leaks.

16. Attaching the base strip

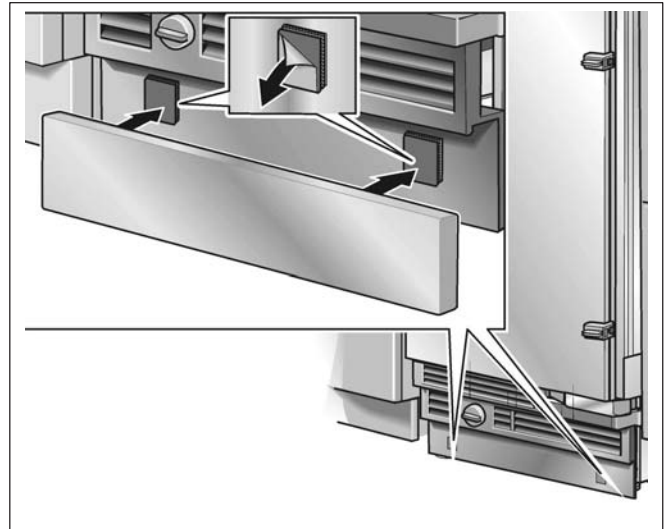
Warning!

From the floor upwards, the maximum height of the base strip is 10.1 cm. Never cover the ventilation cracks in the base panelling. Risk of damage to the appliance.

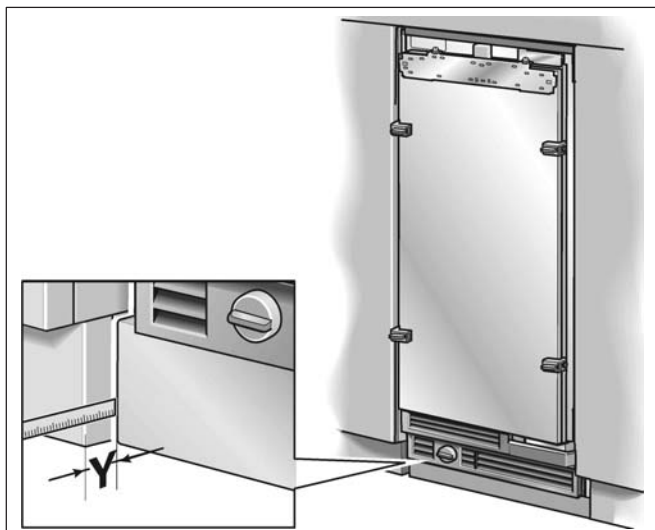
- Where necessary, cut the base strip to the required length.



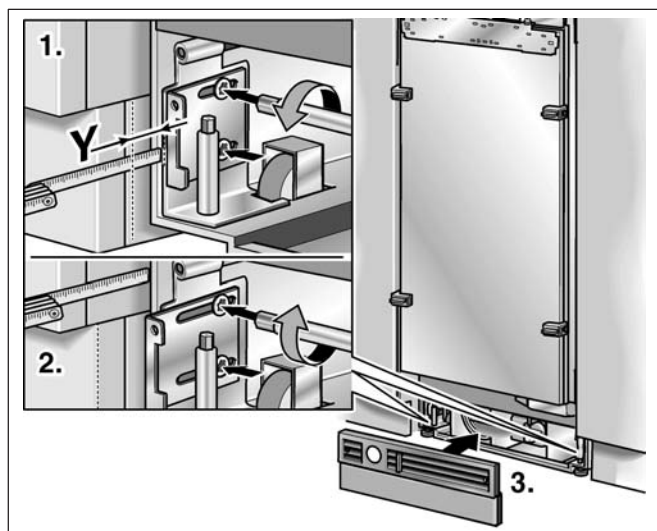
- Attach base panelling to the appliance.



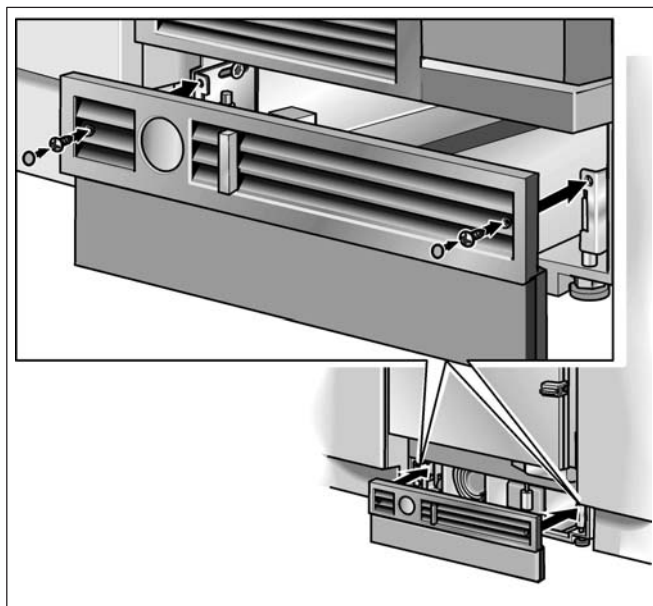
- Take the protective film off from the adhesive pads on the Velcro strip.
- Put the base strip onto the base panelling and push firmly.



- Measure the difference in depth Y between the base panelling and the base strip of the adjacent lower cabinets.
- Remove the base panelling again.
- Loosen the fastening joint of the base panelling.



- Take out/slide in the joint around the measured depth Y.
- Screw the joint again tightly.



- Fasten the base panelling.

Note:

If necessary, the base strip can also be screwed to the base panelling. Pre-drilled screw holes are located in the base panelling in the area of the Velcro strip.

17. Switching the appliance on for the first time

The appliance should now be switched on for the first time in order to ensure the accuracy of the following mounting steps and with it, the appearance of the entire kitchen frontage.

- Open the appliance door.
- Actuate the appliance's on/off button.

Only for appliances with a water connection:

In the case of possible damage of the water mains, keep the shut-off tap closed in order to avoid the risk of damage from water coming out.

18. Preparing the furniture doors

Important note:

When working on the furniture doors, care should be taken to the following:

- Always carry out screwing jobs on the most stable part of the furniture door. Never screw into fillings or similar areas.
- Always selects screws with a length smaller than the thickness of the cabinet front.
- Protect the surfaces of the furniture doors during installation against damage.

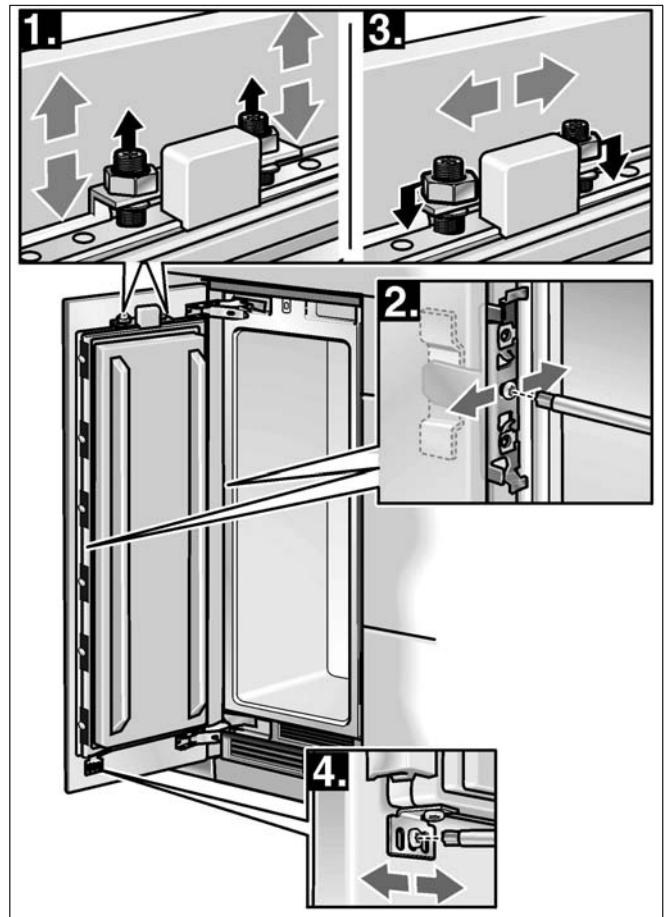
The overall weight of the furniture door including the handle should not exceed the following values:

Appliance width	Overall width of the furniture door
45.7 cm / 18"	17 kg
61.0 cm / 24"	23 kg
76.2 cm / 30"	30 kg

The furniture doors are attached to the appliance with the fastening elements located on the appliance. Using these fastening elements, this allows the furniture door to be adjusted accurately and securely attached to the appliance.

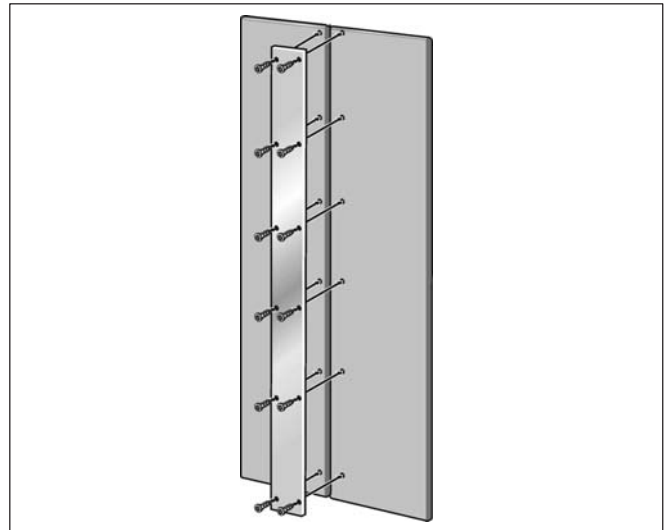
Function of the various parts:

1. Threaded rod on the adjusting rib:
for adjusting the furniture door vertically.
2. Fixing angle:
for adjusting the cabinet frontage in terms of depth.
3. Nuts on the threaded rod:
for securing the cabinet front in order to prevent lateral sliding.
4. Lower fixing angle:
for securing the cabinet front in order to prevent lateral sliding.



Connecting element for furniture doors

Instead of one large door, two furniture doors can be mounted next to each other in the case of appliances with a width of 76 and 91 cm (30" and 36"). These furniture doors are then connected using a metal strip on the rear.



This metal strip is available from your dealer as an installation accessory (**Connection element for furniture doors**). For further details see section "Tools and Accessories which are needed".

When attaching the metal strip to the furniture doors, watch out for the maximum possible length of the screws and the position of the drill holes. Always carry out screwing jobs on the most stable part of the furniture door. Never screw into fillings or similar areas.

Note:

If only one door is to be mounted to an appliance with a width of 76 cm or 91 cm (30" and 36"), attach the supplied sandwich sheet to the adjustment ribs and fix into position.

19. Loading the appliance door

When attaching the furniture doors it is recommended to load the storage sections in the door with weights in order to ensure that the when adjusting crack dimensions turn out to be as precise as possible.

Loading recommendations:

Appliance width	Loading of the furniture door
45.7 cm / 18"	10 kg
61.0 cm / 24"	15 kg
76.2 cm / 30"	20 kg

20. Attaching adjusting ribs to the furniture door

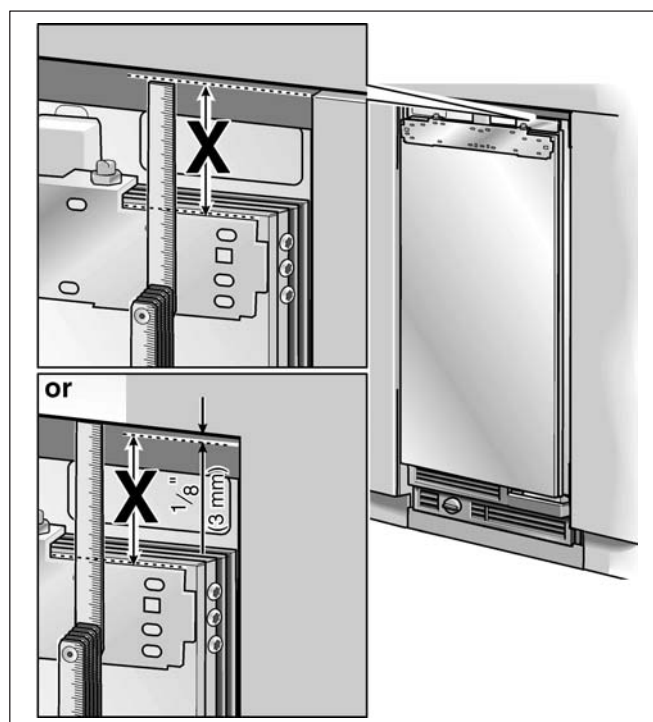
Note:

The adjusting rib is the most important tool for adjusting the cabinet frontage.

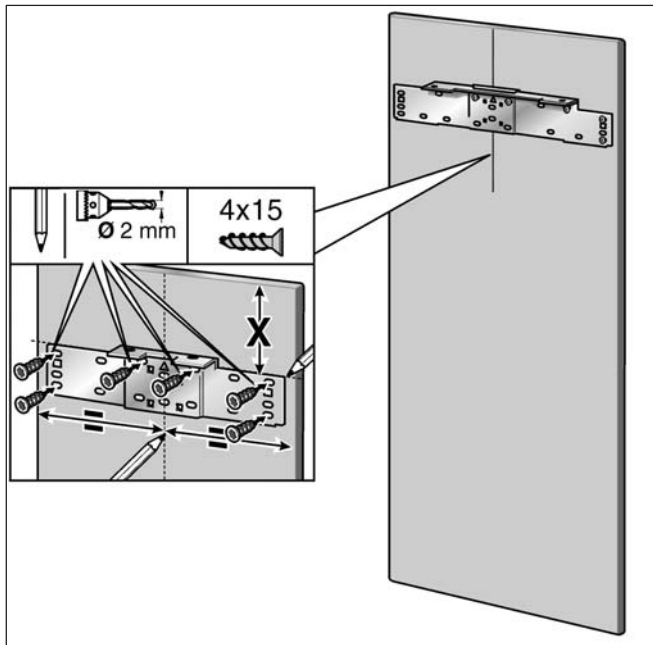


- Unscrew the positioning aids from the appliance door.

The positioning aids will still be needed in the course of mounting.



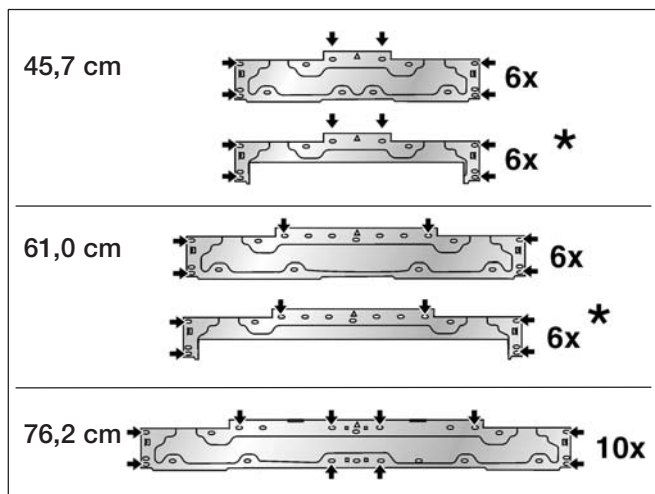
- Measure the distance **X** between the adjusting rib and the upper edges of the neighbouring furniture doors.



- Mark this value **X** on the rear side of the furniture door.
- Determine the middle of the door and label it.
- Loosen the two nuts and remove the adjusting rib.
- Rest the adjusting rib on the furniture door and align to the markings. Mark the drill holes.
- Pre-drill the holes.
- Screw the adjusting rib tight.

Note:

- Attach the adjusting rib with at least 6 screws on the furniture door. One screw should be screwed in under the threaded rod in each case.



* Wine storage cabinet

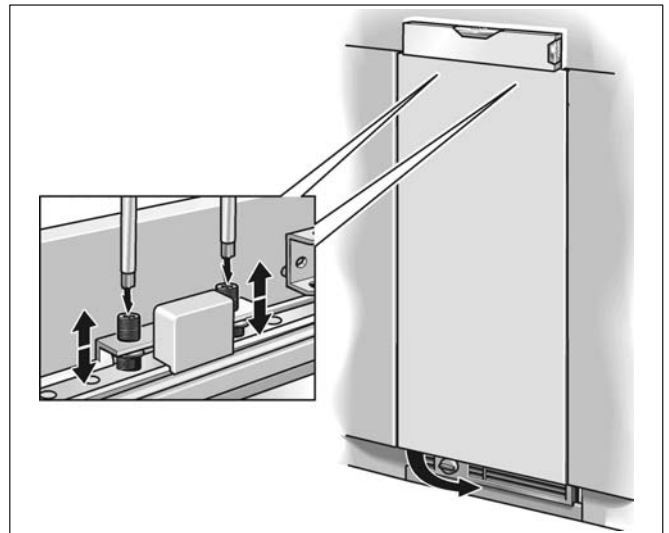
- The adjusting rib has a various holes for different furniture door design variations. Always carry out screwing jobs on the most stable part of the furniture door.

21. Putting the furniture door on its hinges and adjusting it

Note:

The height of the cabinet frontage is set using the threaded rod.

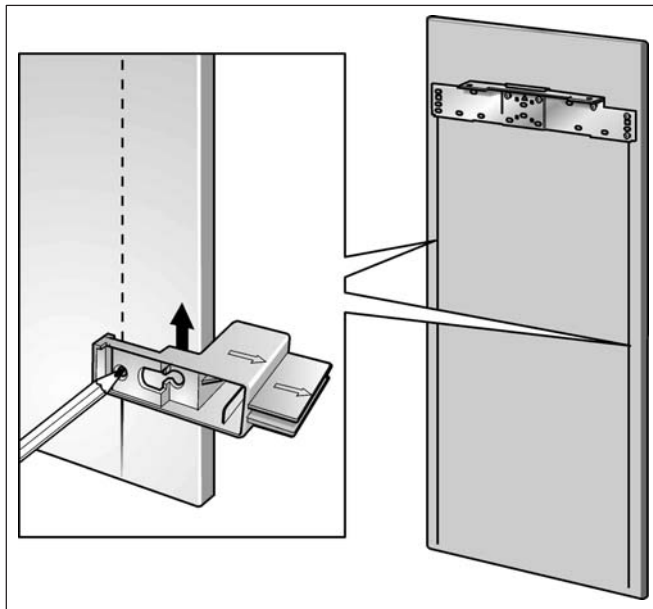
- Hang the furniture door on the threaded rod.



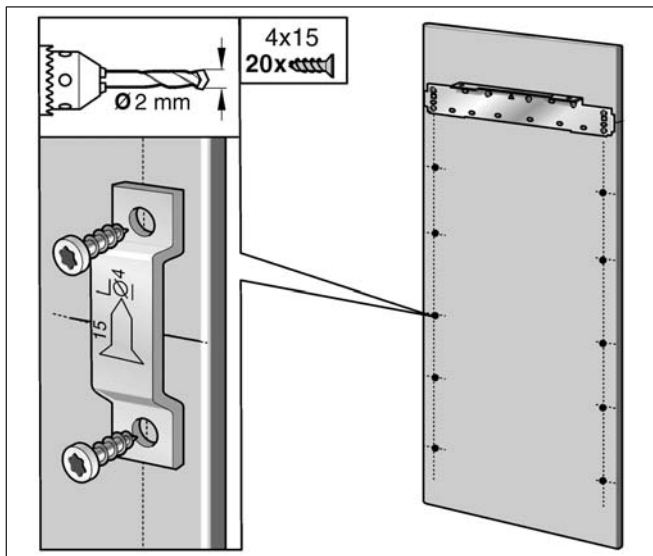
- Adjust the furniture door using the threaded rod (Torx screwdriver).



- Transfer the middle drilled holes on the outside edge of the appliance door to the furniture door.
- Remove furniture door.



- On both lengths of the furniture door, draw a parallel with the help of the positioning aid.
- Lengthen the drill hole markings to the parallels using an angle of contact.
- Apply the fixing plates and mark out the holes.
- Pre-drill the holes.

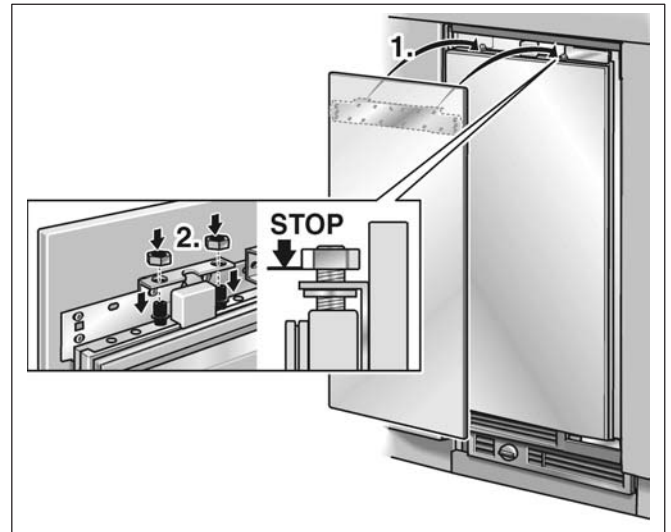


- Screw on the fixing plates (10x).

22. Fastening the furniture door

Important note:

Now attach the door handles which should have been screwed from behind!

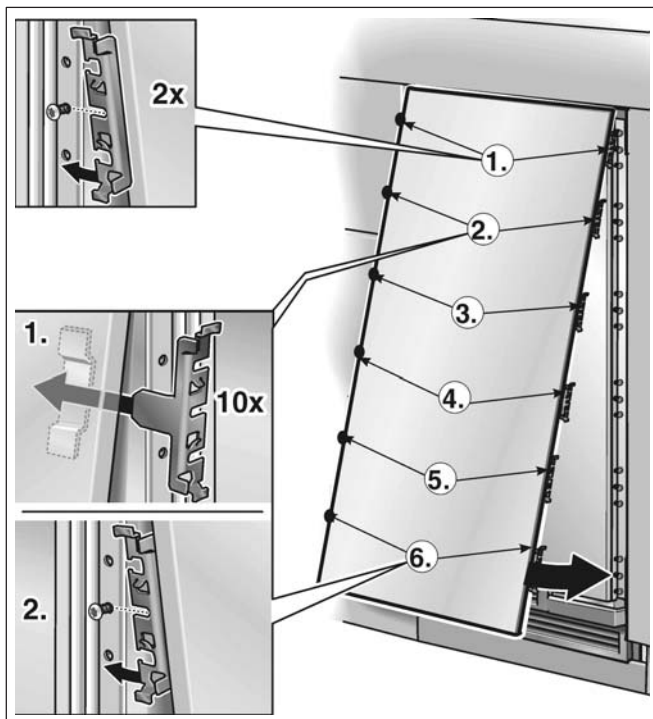


- Hang the furniture door on the threaded rod.
- Screw the nuts on the threaded rod. Do not screw tightly!
- Adjust the furniture door as accurately as possible.

Note:

When adjusting, the door must be opened and closed often owing to circumstances. To make this procedure easier, proceed as follows:
Insert the fixing angle directly behind the door handle into the corresponding fixing plate. Slide the fixing angle on the screw on the appliance door and screw tightly. After adjusting, loosen the fixing angle again.

- Adjust the furniture door with the threaded rod (Torx screwdriver). Re-examine the dimensions of the crack continuously.



- Attaching the fixing angles:

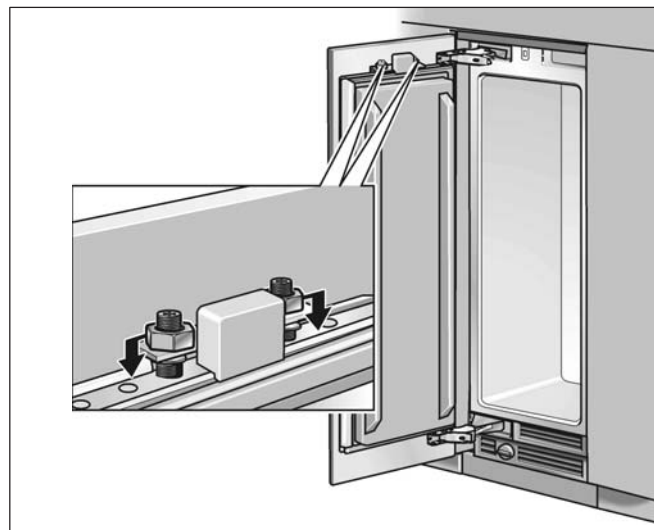
Lift the furniture door somewhat from the appliance door.

Press the upper fixing angles (without the flap (1.)) right and left over the screws.

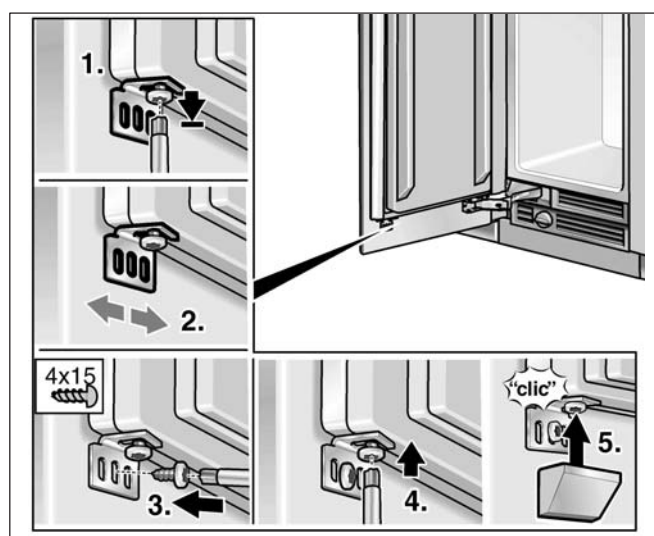
Insert the fixing angles (with the flap (2.)) right and left into the fixing plates and slide over the screws on the appliance door. Slowly lower the door in order to repeat the procedure in (2).

Continue until the last fixing angles (6.) are inserted into the fixing plate and fastened to the screws.

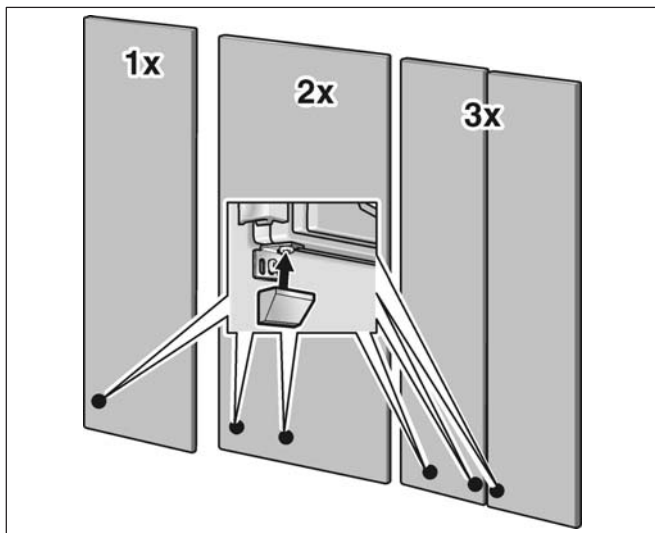
- Close the door and re-examine to make sure that the depth of the cabinet frontage corresponds with the adjacent lying fronts. Correct if necessary.
- Tighten the fixing angle screws in order to fix the depth adjustment.
- Close the door and check the lateral adjustment. Correct the adjustment by lightly banging on the edge of the open door by hand.



- Screw the nuts on the adjusting rib tightly. This way, the lateral adjustment of the door is fixed.



- Screw on the lower fastening angles from the auxiliary set. Pre-drill holes into the furniture door!
- The lateral adjustment of the door is fixed through the lower fastening angles.
1. Loosen screw.
 2. Check the lateral position of the door.
 3. Screw in the wood screws.
 4. Tighten the screws.
 5. Place coverings over the fastening angles.



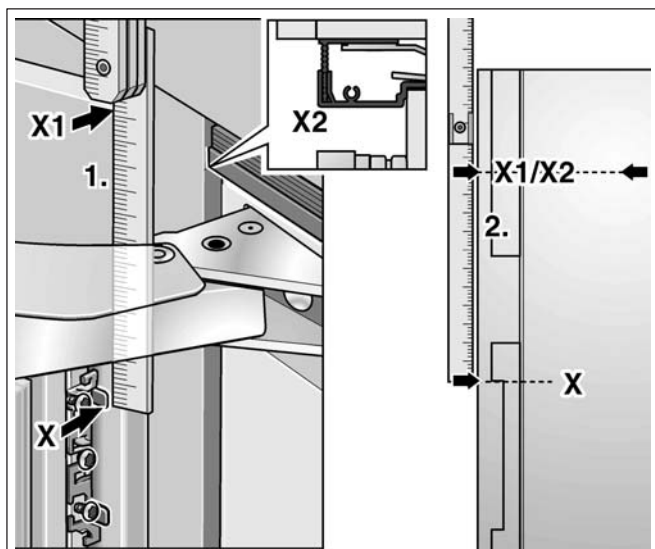
The number of the lower fastening angles depends on the width and the design of the furniture door.

23. Shortening the finger protection

Important note:

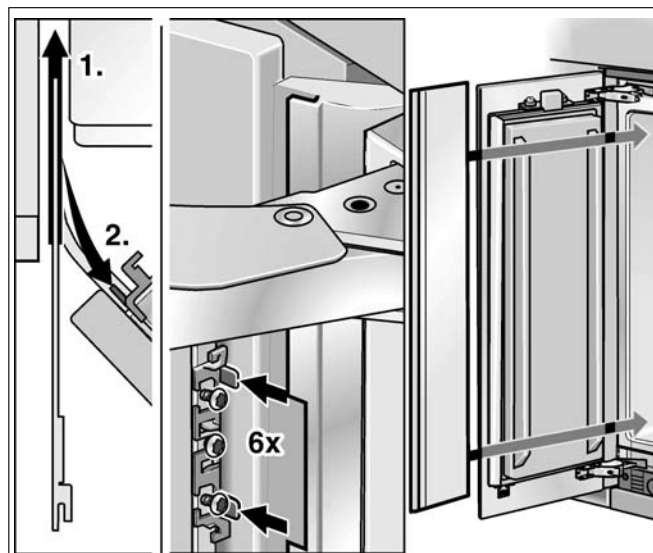
The finger protection must cover the door gap over the full length. If the height of the door exceeds the standard height, the extra long finger protection (see “Additional accessories”) has to be used.

- Pull the finger protection up to the hinge side of the door. The sections on the finger protection have to be exactly aligned to the height of the fastening clips.

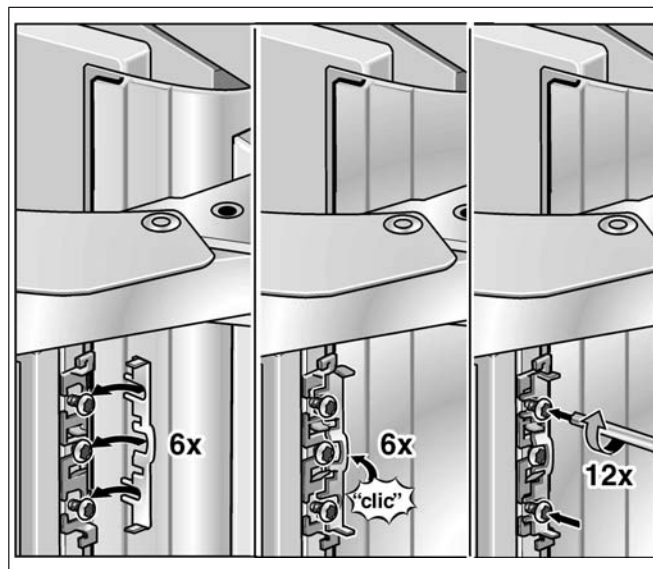


- Transfer the door dimensions (upper/below) to the finger protection.
- Shorten the finger protection using a steel rule and a knife to the required length.

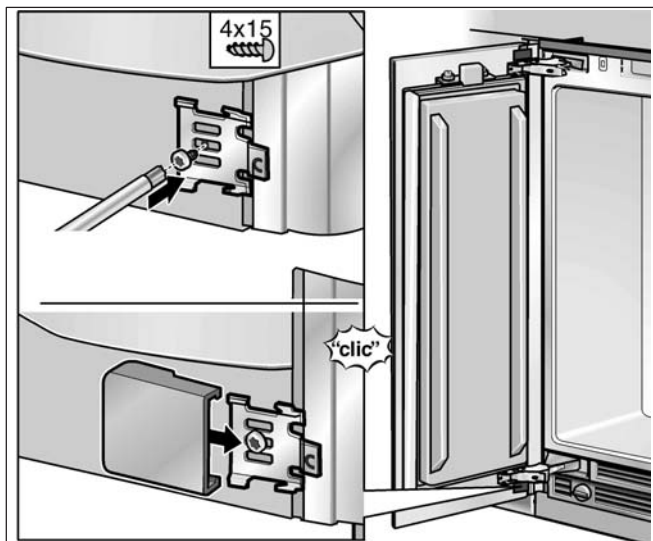
24. Fitting the finger protection



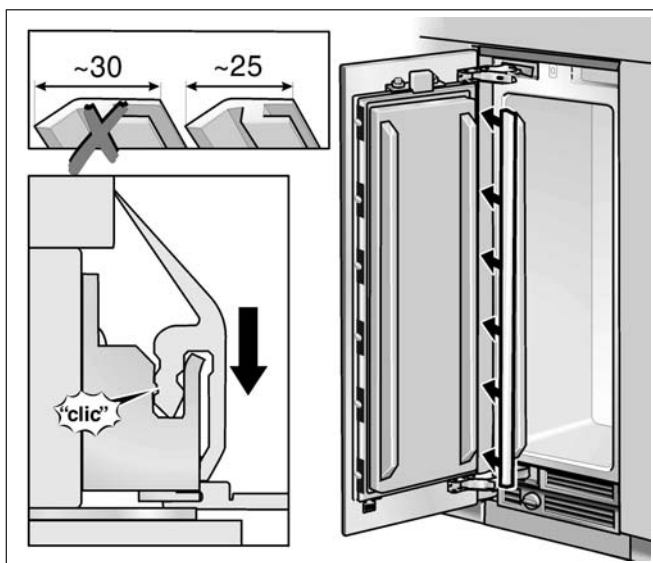
- Push the finger protection into the gap between the appliance and the niche wall (1.).
- Clamp the finger protection to the fastening clips (2.).



- Clamp the holding clips under the screws. Screw tightly.



- Screw the fastening angle below the lower hinge. Push open the covering flap.

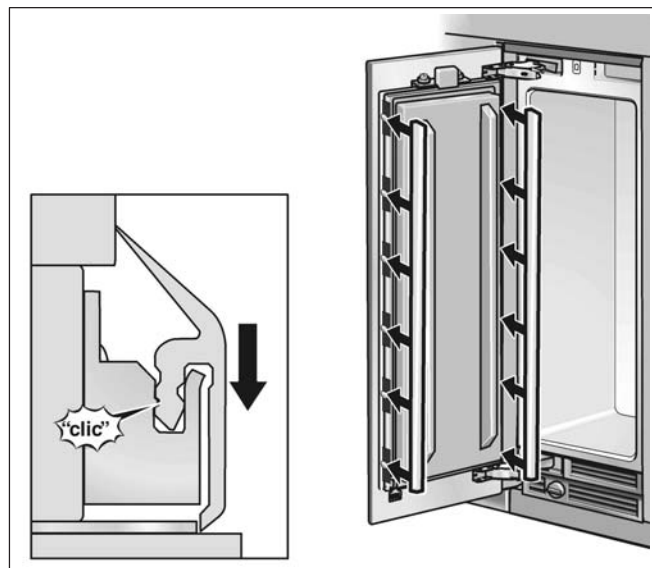


- Push open the covering bar on the finger protection.

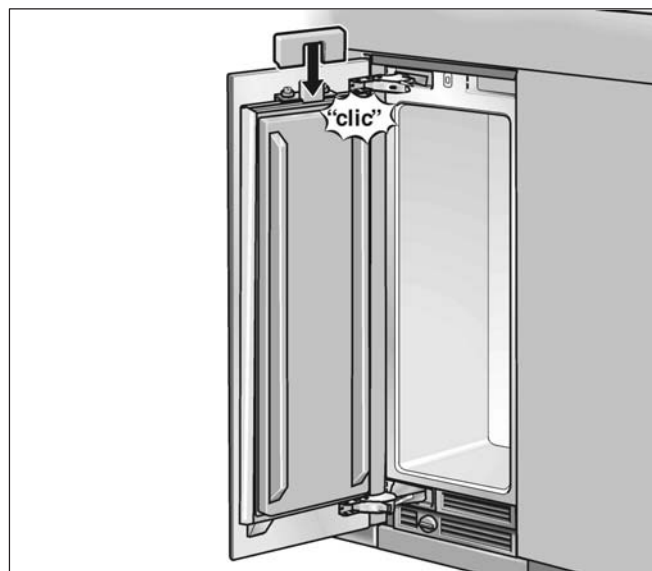
Note:

The covering bar for the finger protection is the bar with the short side.

25. Attaching the covers



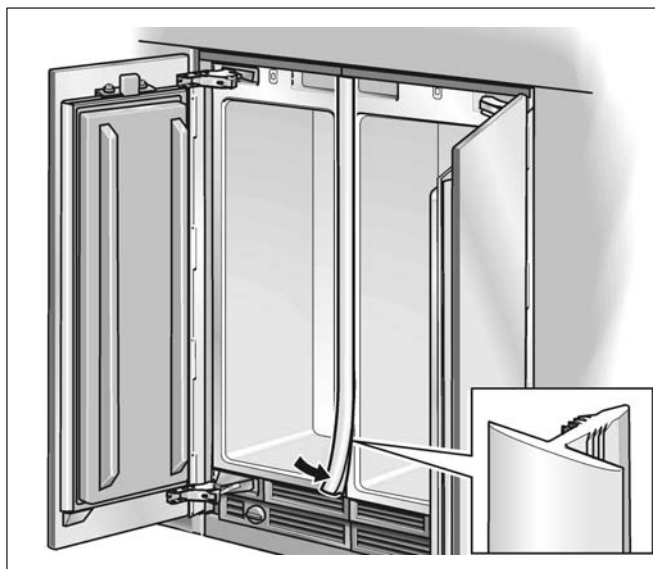
- Attach the cover ribs on both longitudinal sides of the door.



- Attach the light switch cover.

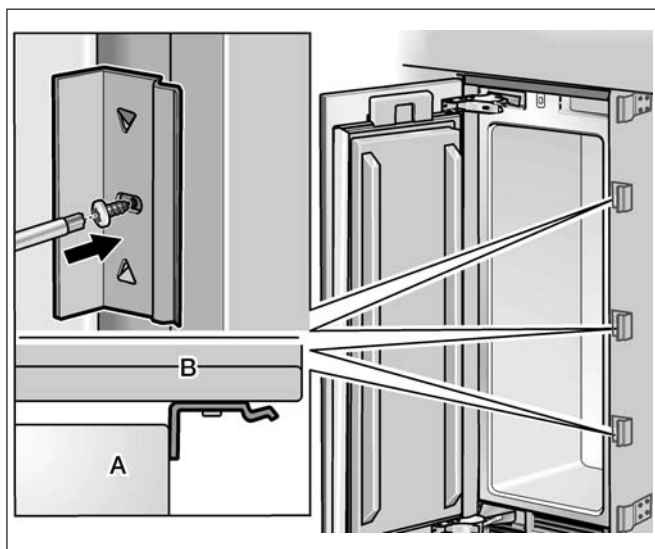
The light switch cover for the 61.0 cm / 24" and 76.0 cm / 30" width can be screwed to the door.

Only in the case of a side-by-side set up of two appliances:



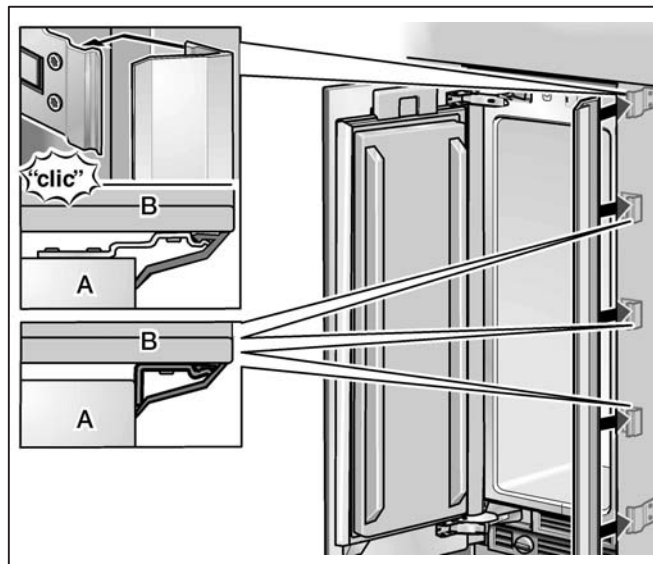
- Insert the cover rib in the crack between the appliances.

Only in the case of individual appliances:



- A Appliance
B Cabinet part

- Screw on the angle (laterally) for fastening the cover ribs.

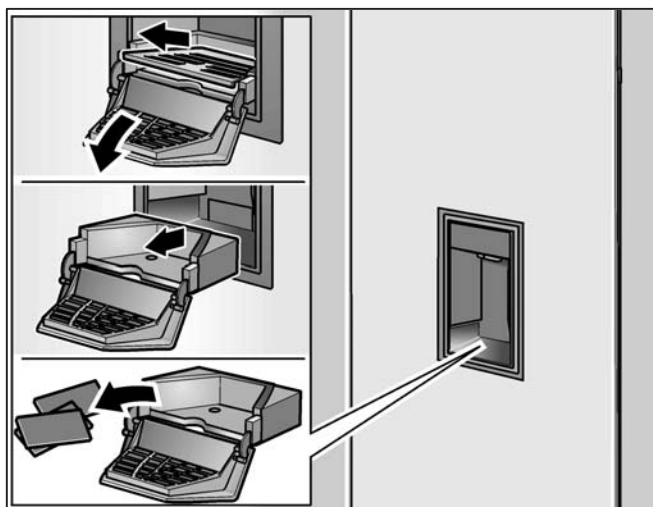


- Attach the cover ribs to the fastening plates and the angles (laterally).

26. Adjusting the ice and water dispenser

(only in the case of freezers with ice and water dispenser)

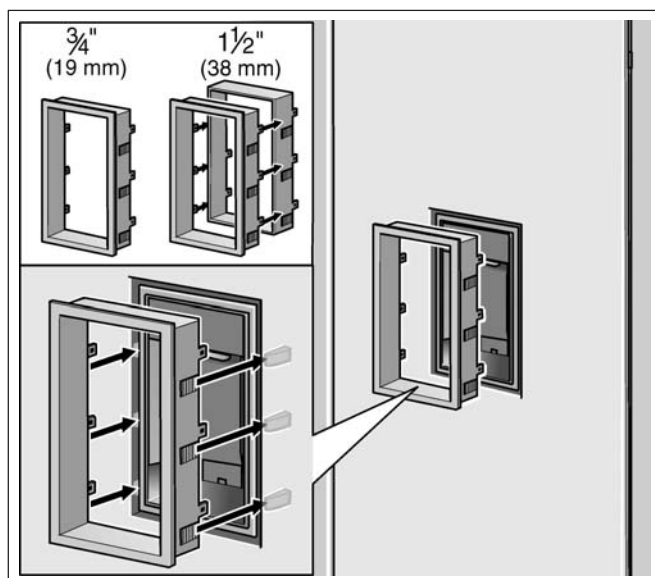
The ice and water dispenser can be adjusted within the section of the furniture door. In this way, it is possible to undertake parallel adjustment to the furniture door in order to achieve an optimal overall impression.



- Remove the storage area from the ice and water dispenser.
- Remove the covering from the catch bowl.

Note:

We recommend mounting the covering frames before aligning the ice and water dispenser.



For furniture doors with a 19 mm thickness:

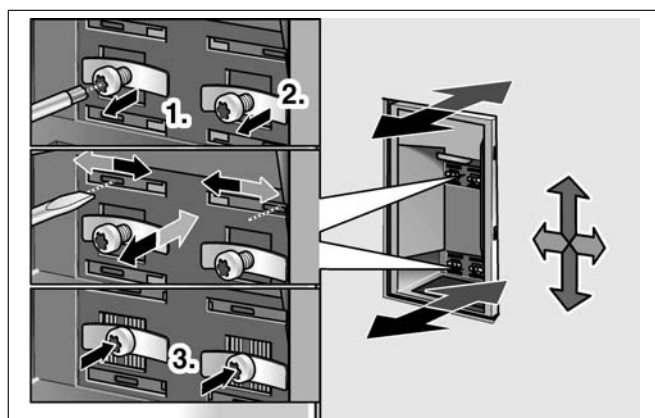
- Slide the covering frame onto the ice and water dispenser and press in until the frame is flush with the door surface.

For furniture doors with a 38 mm thickness:

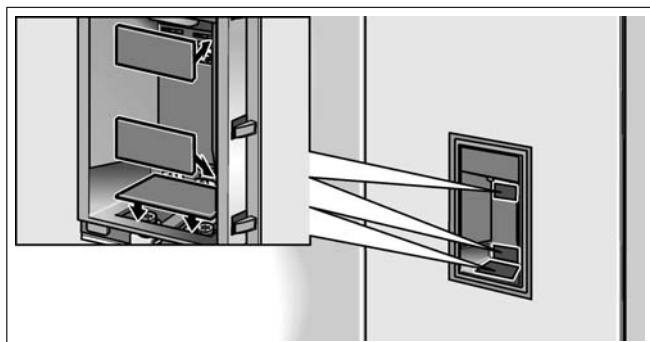
- Press lengthening frame onto the covering frame.
- Slide the covering frame onto the ice and water dispenser and press in until the frame is flush with the door surface.

Note:

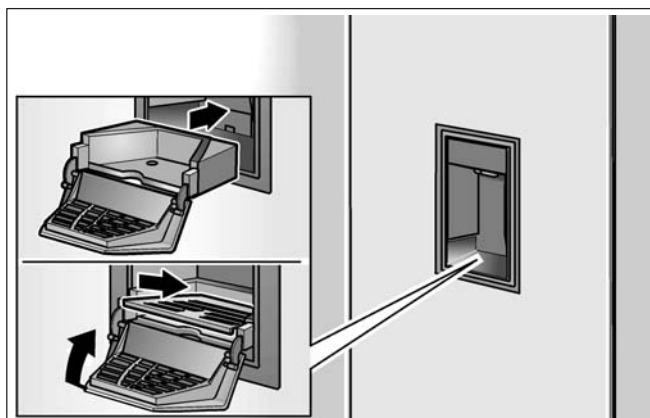
In the case of appliances with a high-grade steel door, there is a special covering frame



- Loosen the screws on the 4 clips.
- Place a slit screwdriver into one of the 4 slits and shift the blocks laterally such that the ice and water dispenser has an equal distance to the furniture door.
- Retighten the screws on the clips.



- Apply the covering.

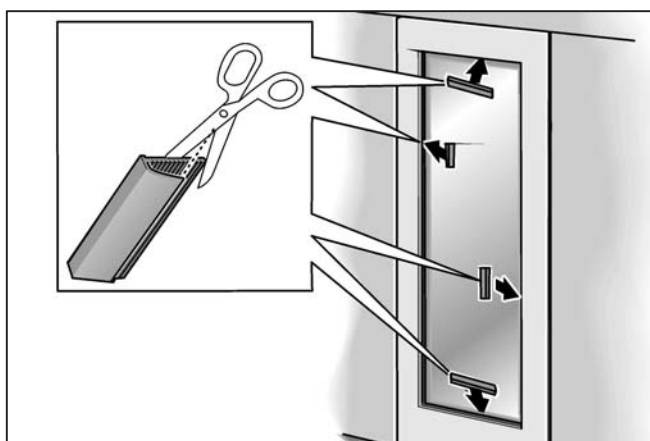


- Insert the rack

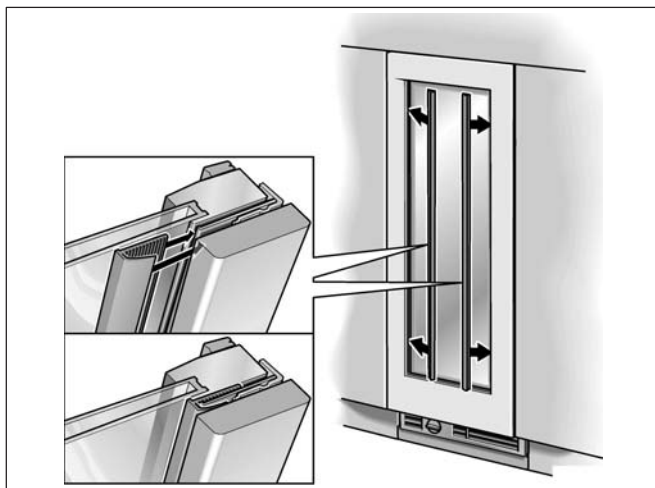
27. Attaching covering strips

(only for the wine storage cabinet)

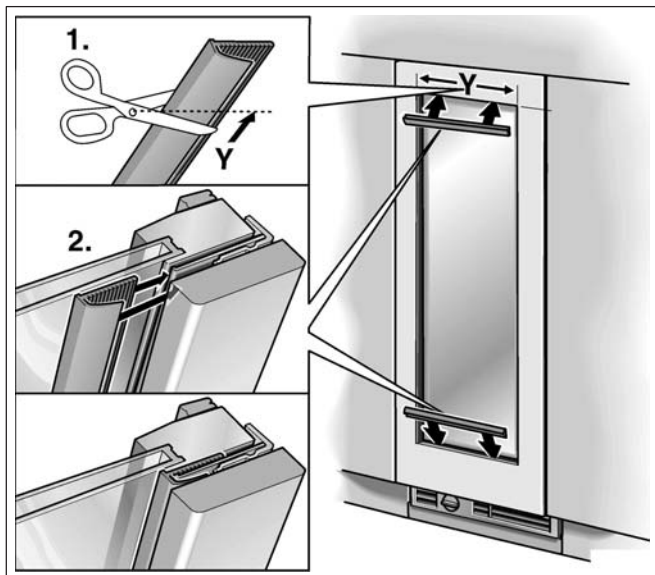
Note:



In certain circumstances, if the frame width is narrow, the side of the covering strip has to be shortened. To determine the required length of the side, lay trial pieces next to the covering strip.



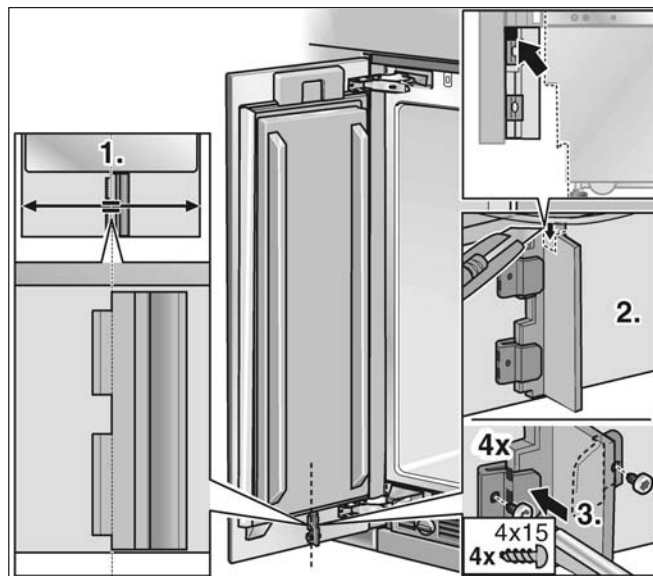
- Slide the covering strips on the longitudinal side into the gap between the furniture door and the glass pane.
- Cut the covering strips of the shortest sides to the required length.



- Slide the covering strips into the gap between the furniture door and the glass pane.

28. Mounting the air filter

Using the air filter, air intake and output in the appliance is channelled separately in order to avoid impaired performance.



- Cut the air filter to the desired length.
- To attach the air filter, slide the two clips over the filter and screw together with the door. Adjust the air filter to the middle line of the door (see illustration).
- Slowly close the door. Re-examine to see if the air filter hits any parts of the ventilation grille. If necessary, shorten the longitudinal side of the air filter by a maximum of 6 mm.

Only in the case of freezers with ice and water dispenser:

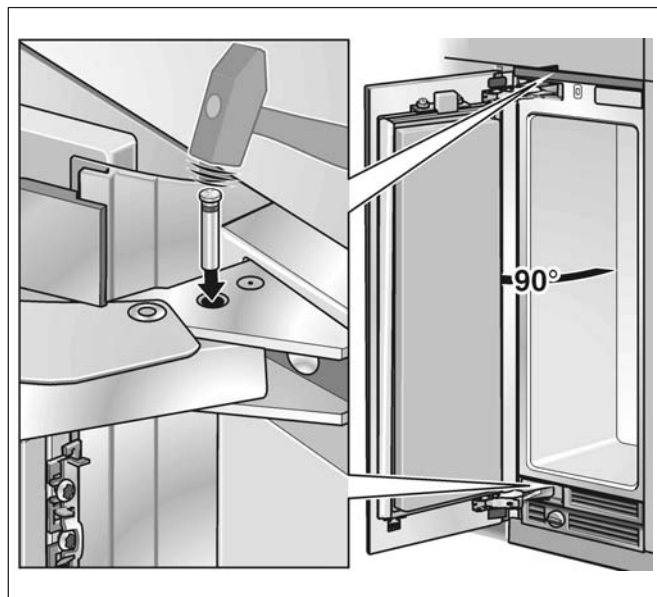
- Air filter must be trimmed in the area of the hose (see point 2 in the illustration).

29. Setting the door opening angle

According to the set up conditions, it may be necessary to limit the door opening angle. A door opening angle of 115° is set at the factory.

To set the door opening angle to 90°:

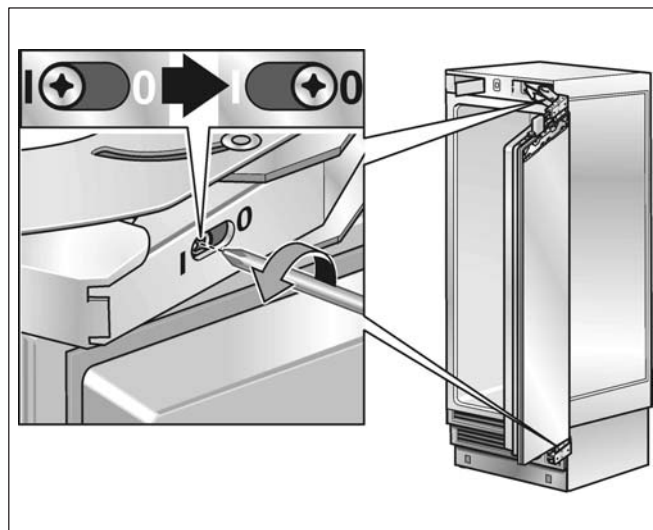
- Open the door to 90°.



- Insert stopper rod in the drill holes which are now vertically on top of each other and drive home with a hammer.

30. Tightening the hinges

To activate the hinges:



- Turn the setting screw with a cross head screwdriver.
I = screw tension activated
0 = screw tension not activated

Subject to alterations.