

YUME SWING II

Model No. **[Basin]**

AY-YMS2BR

(Regular slide basin)

/AY-YMS2BR2

/(Reverse slide basin)

[Arm]

AY-YMS2AF

(Regular slide basin arm for front layout)

/AY-YMS2AR

/(Regular slide basin arm for rear layout)

AY-YMS2AF2

(Reverse slide basin arm for front layout)

/AY-YMS2AR2

/(Reverse slide basin arm for rear layout)

AY-YMS2PK

(Regular slide basin piping cover for wall piping)/(Regular slide basin piping cover for under-floor piping)

/AY-YMS2PY

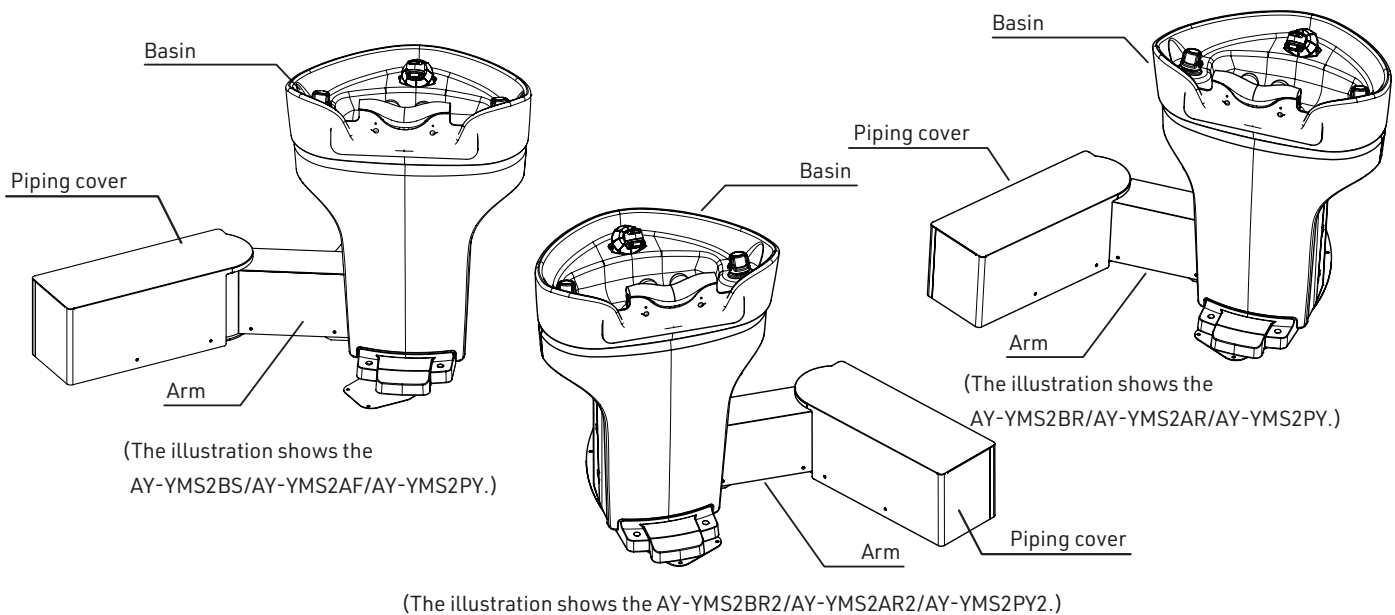
[Piping cover]

AY-YMS2PK2

(Reverse slide basin piping cover for wall piping)/(Reverse slide basin piping cover for under-floor piping)

/AY-YMS2PY2

Installation Instructions



To those carrying out the installation

- Please read the "Installation Instructions" carefully before installation and ensure correct installation.
- Please hand these instructions to the client after installation is complete.

To our client

- Please ask a specialist contractor to carry out the installation. Or please ask your local authorised Takara Belmont dealer to carry out the installation.
- Never install this product by yourself.
- Please keep these instructions in a safe place so that you do not lose them.

* The actual product and the pictures and dimensions shown here are subject to change without notice due to improvements.

- The precautions described in this document are intended for the safe installation of this product and to prevent harm or damage to those engaged in the installation, or other people. All of these precautions are important safety information. If an accident occurs due to failure to follow these precautions, Takara Belmont will not be responsible for any damage or loss to those engaged in the installation, or other people, due to such accident.



CAUTION

The items explained under this symbol are precautions that, if not followed, may result in mild or moderate injury or property damage due to incorrect handling of the product.

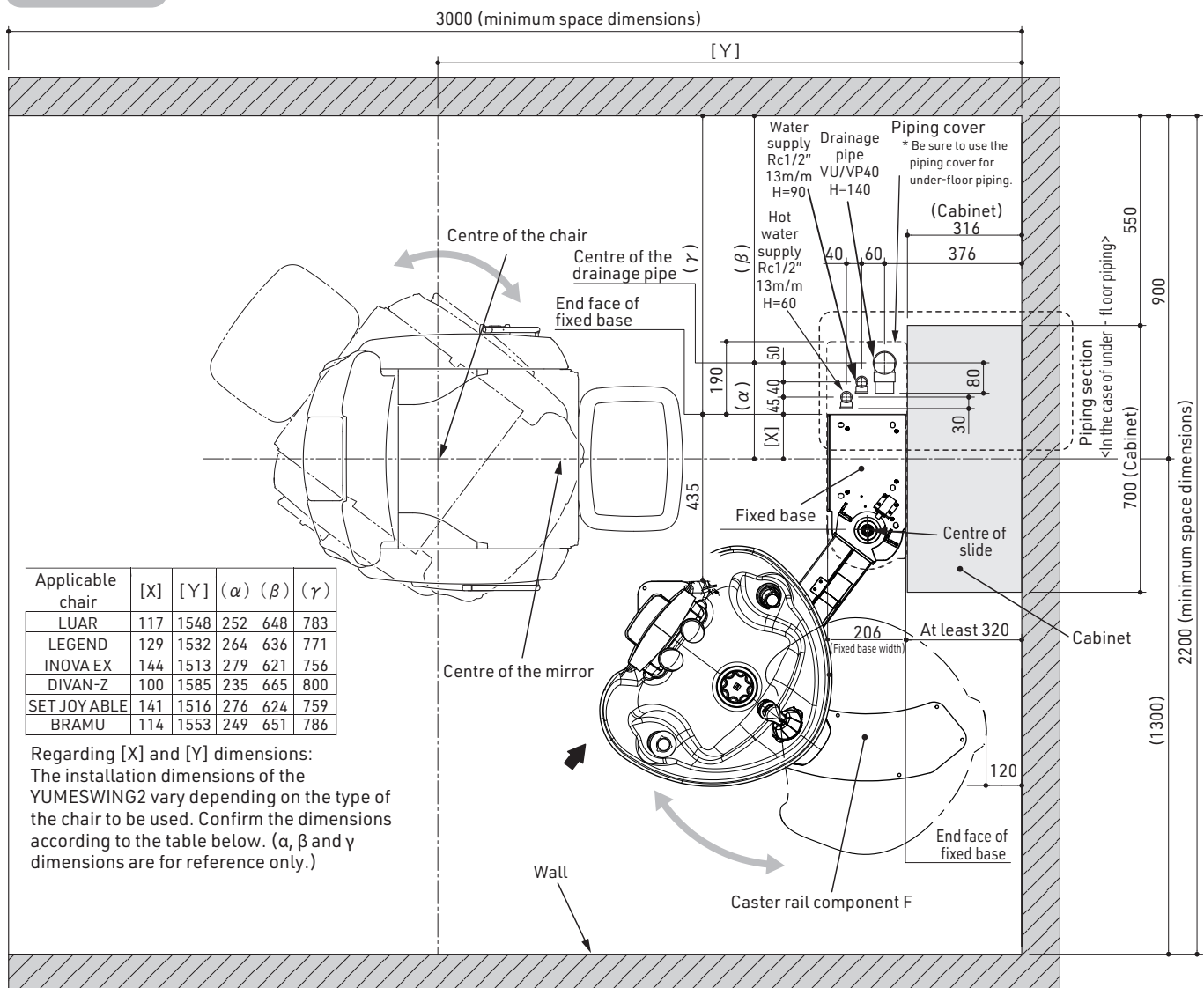
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Before Installation

Overall Layout Drawings <Front layout, regular slide basin> [In mm]

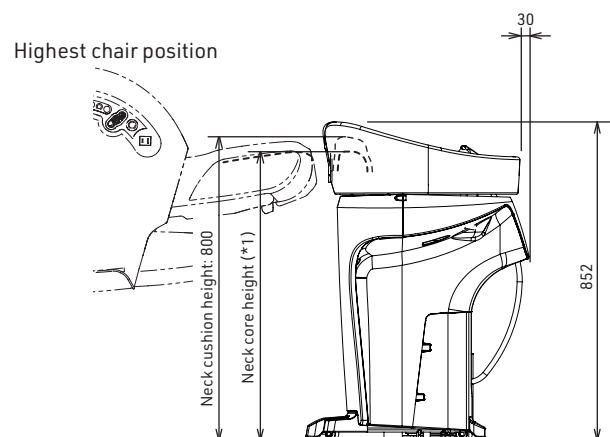
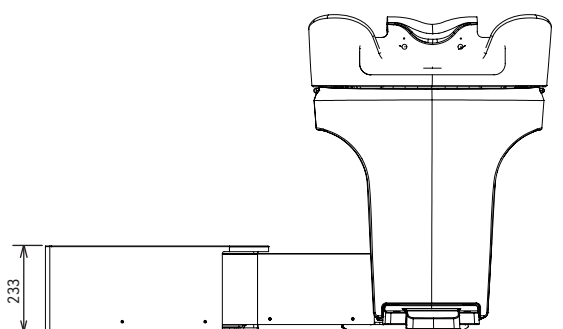
Top view



* Pitch between product centres when multiple products are installed: at least 2200 mm

Side view (viewed from ↗)

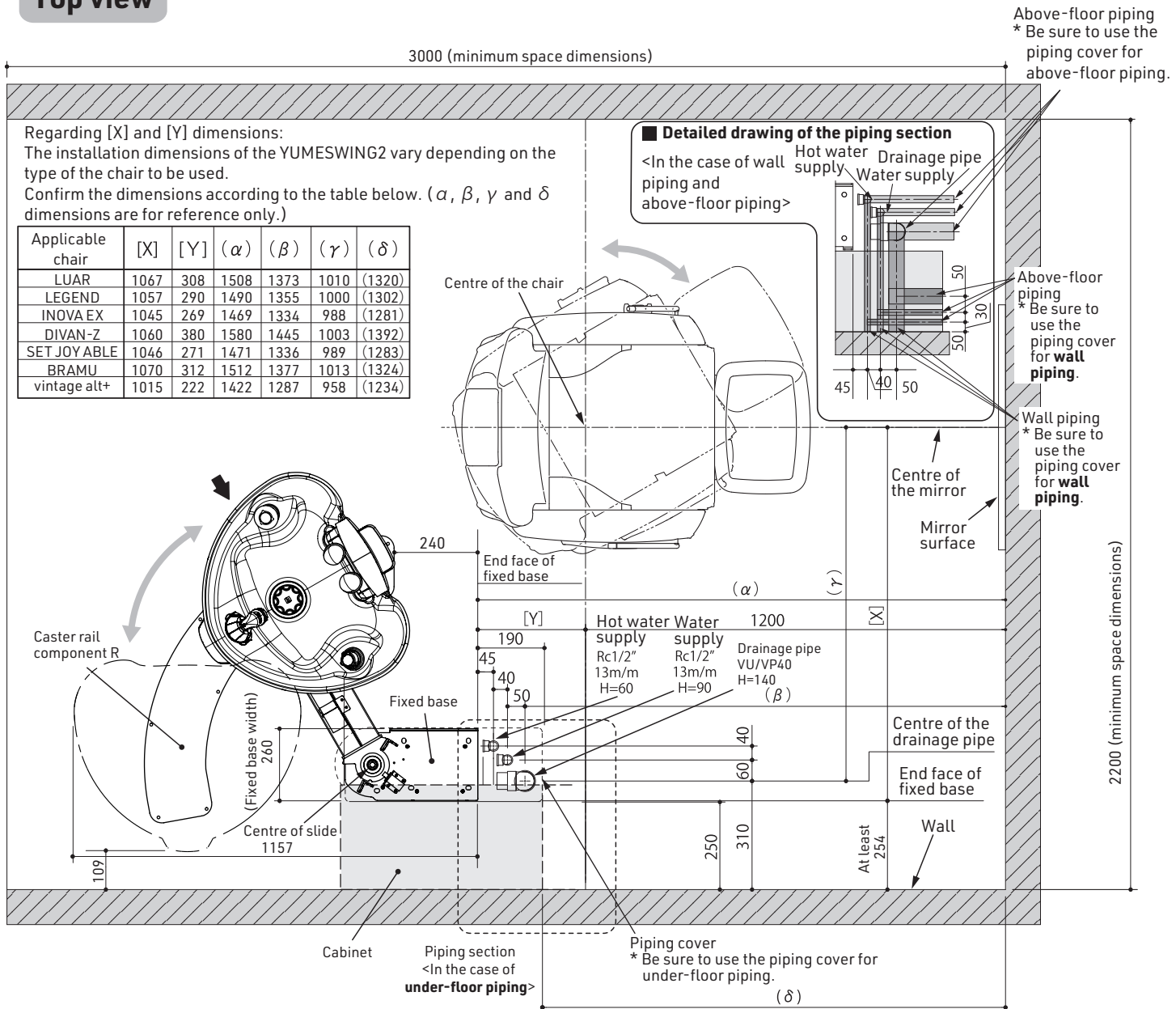
Basin	Neck core height (*1)
AY-YMS2BR [Rear basin]	774



Overall Layout Drawings <Rear layout, regular slide basin>

[In mm]

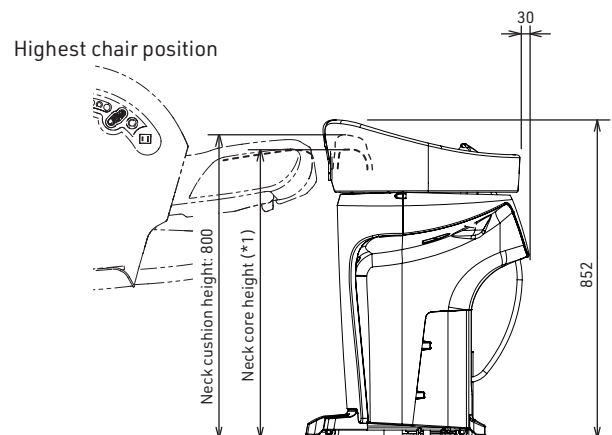
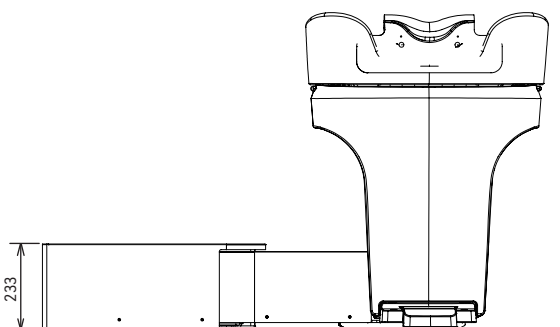
Top view



Side view (viewed from)

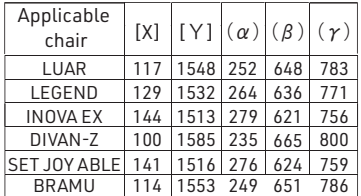
* Pitch between product centres when multiple products are installed: at least 2200 mm

Basin	Neck core height (*1)
AY-YMS2BR [Rear basin]	774



[In mm]

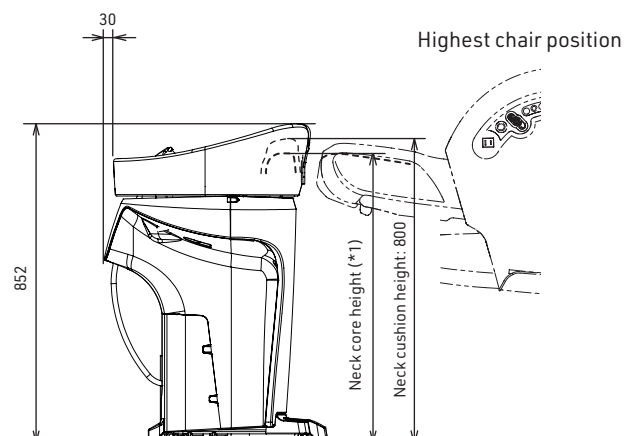
Top view



* Pitch between product centres when multiple products are installed: at least 2200 mm

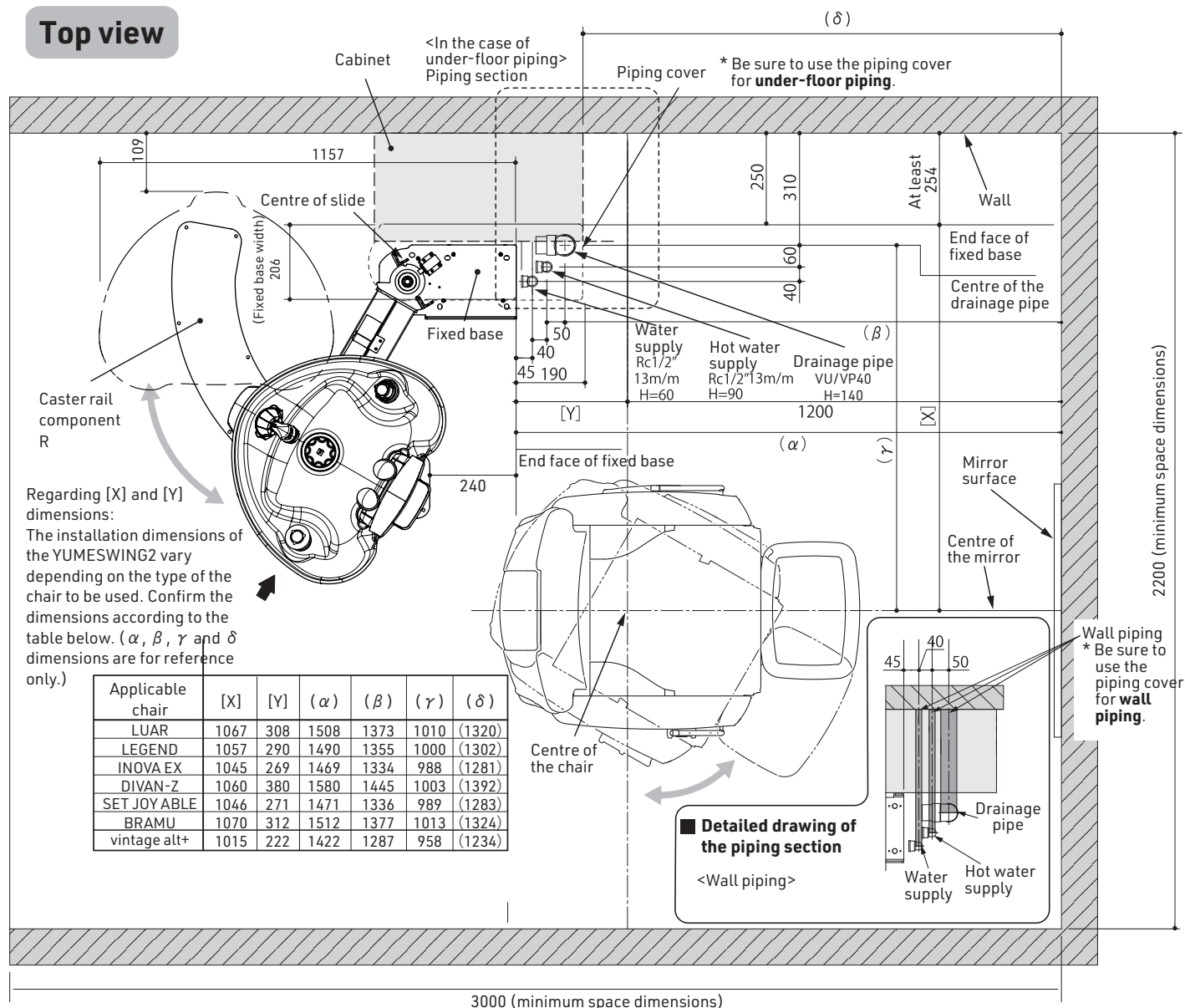
Side view (viewed from)

Basin	Neck core height (*1)
AY-YMS2BR [Rear basin]	7 7 4



Overall Layout Drawings <Rear layout, reverse slide basin> [In mm]

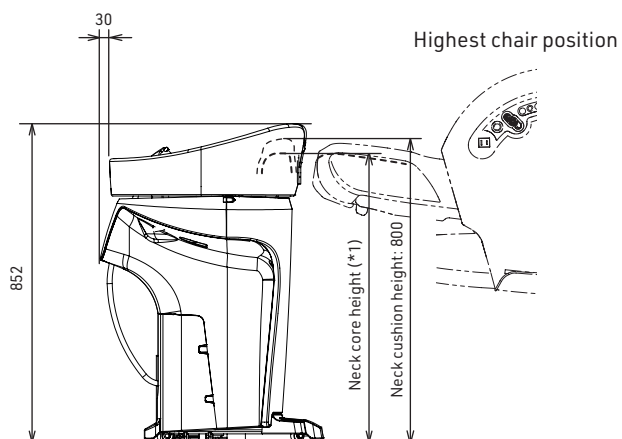
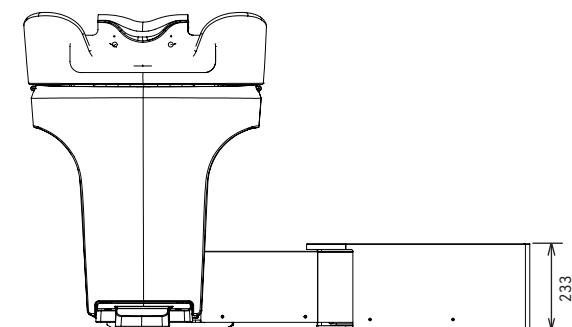
Top view



* Pitch between product centres when multiple products are installed: at least 2200 mm

Side view (viewed from ↗)

Basin	Neck core height (*1)
AY-YMS2BR [Rear basin]	774



◇ Overall Layout Drawings

<Front/rear layout, regular slide basin Pipework installation drawings>

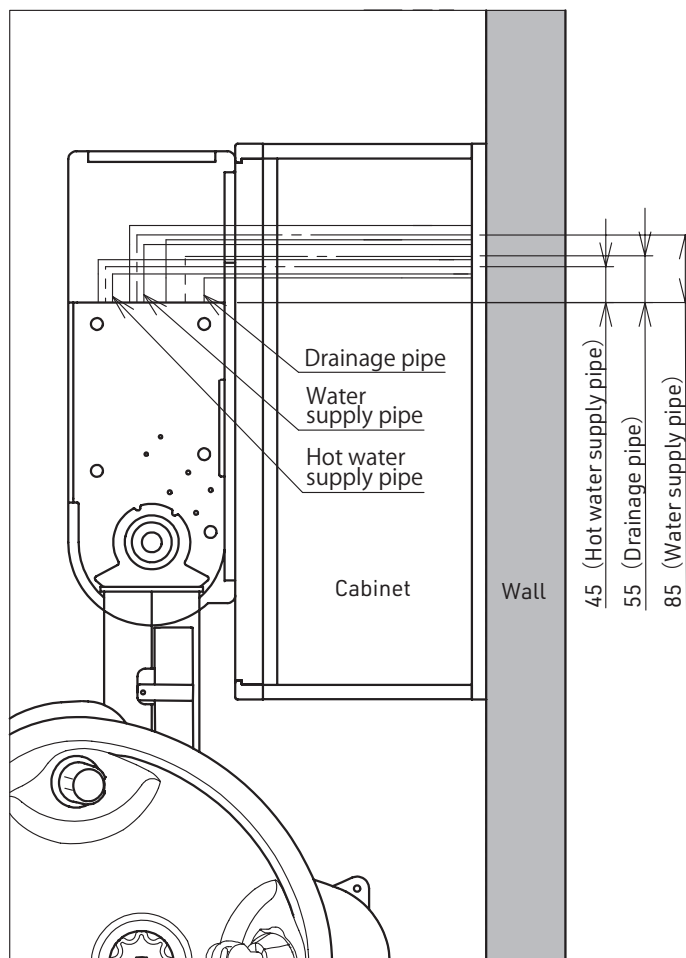
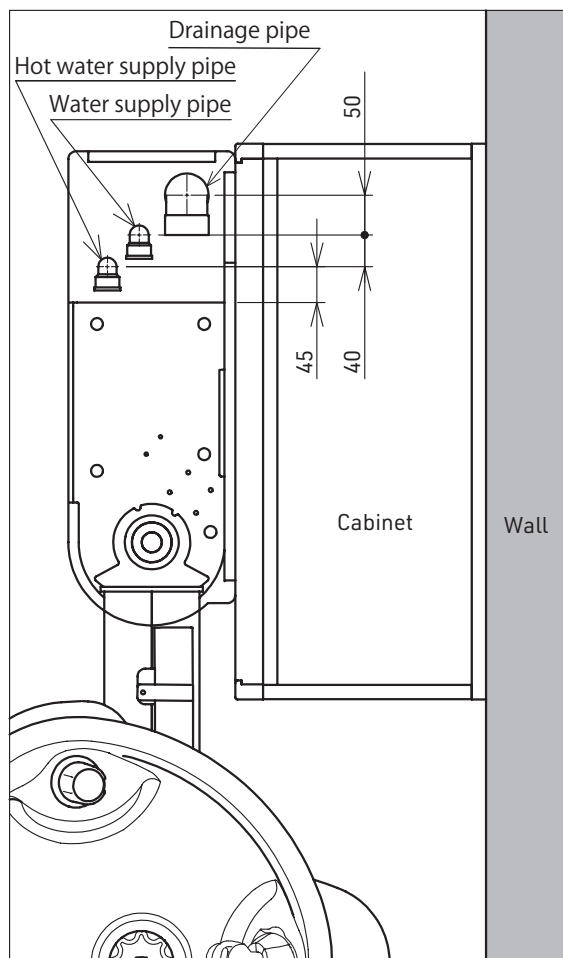
<In the case of under-floor piping>

Be sure to use the piping cover for under-floor piping.

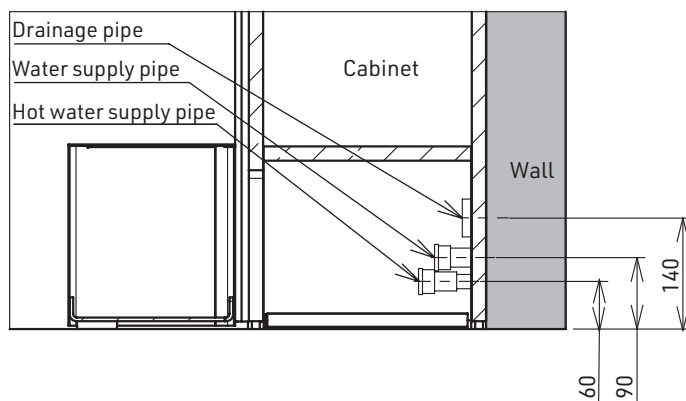
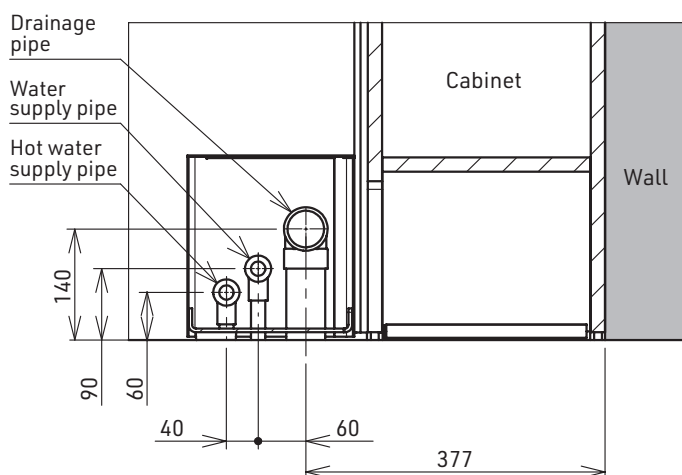
<In the case of wall piping>

Be sure to use a piping cover for wall piping.

Top view



Side view



◇ Overall Layout Drawings

<Front/rear layout, reverse slide basin Pipework installation drawings>

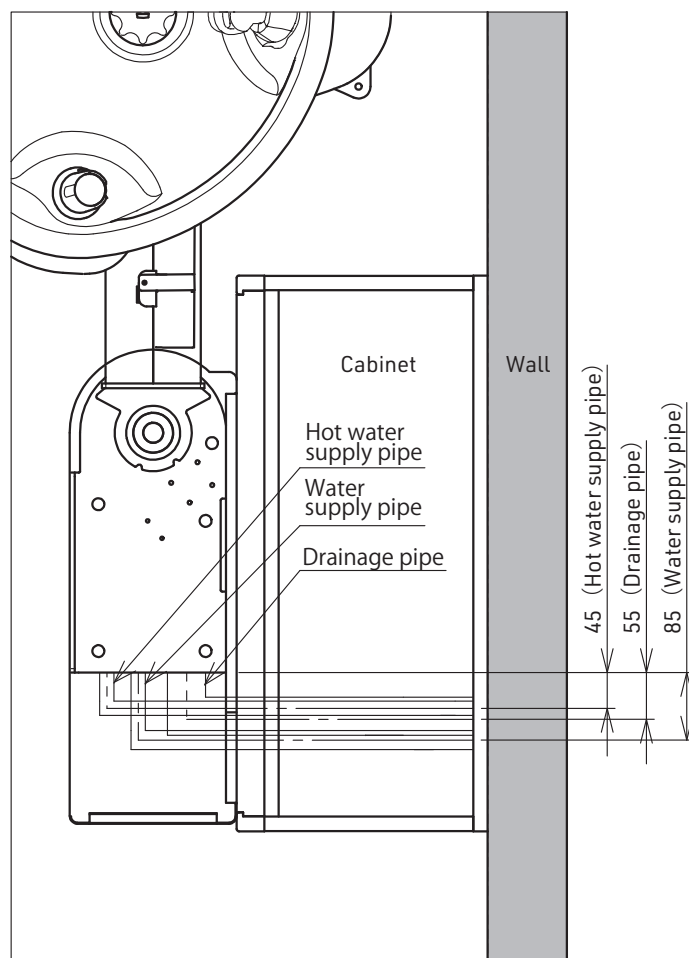
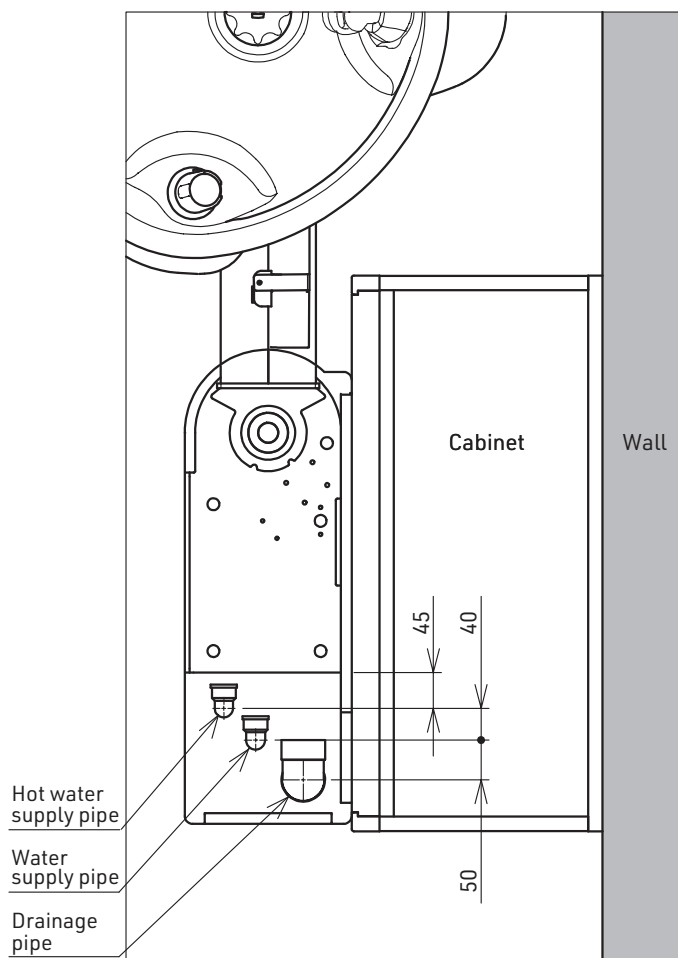
<In the case of under-floor piping>

Be sure to use the piping cover for under-floor piping.

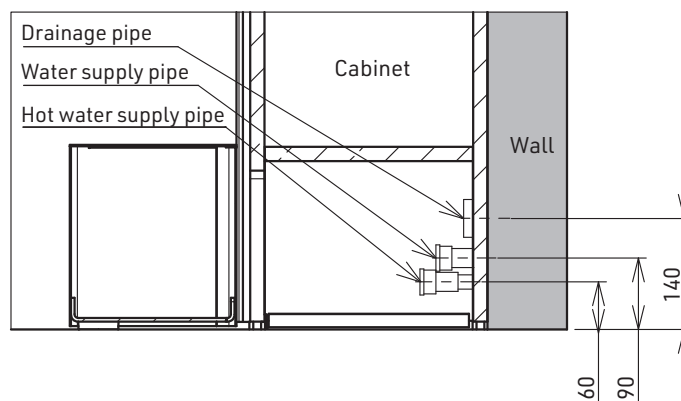
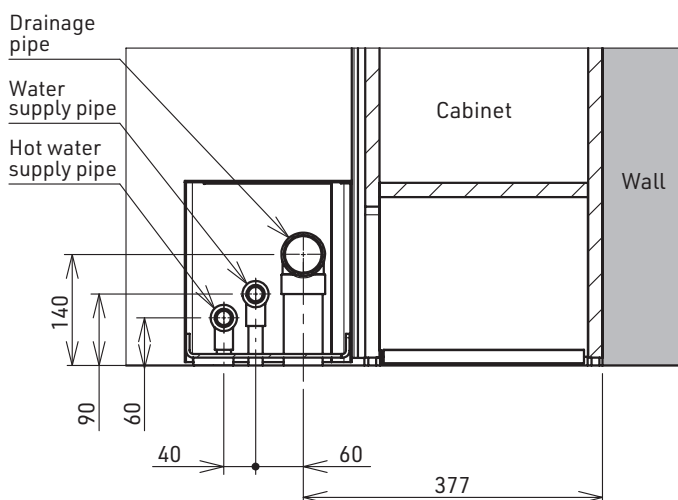
<In the case of wall piping>

Be sure to use a piping cover for wall piping.

Top view



Side view



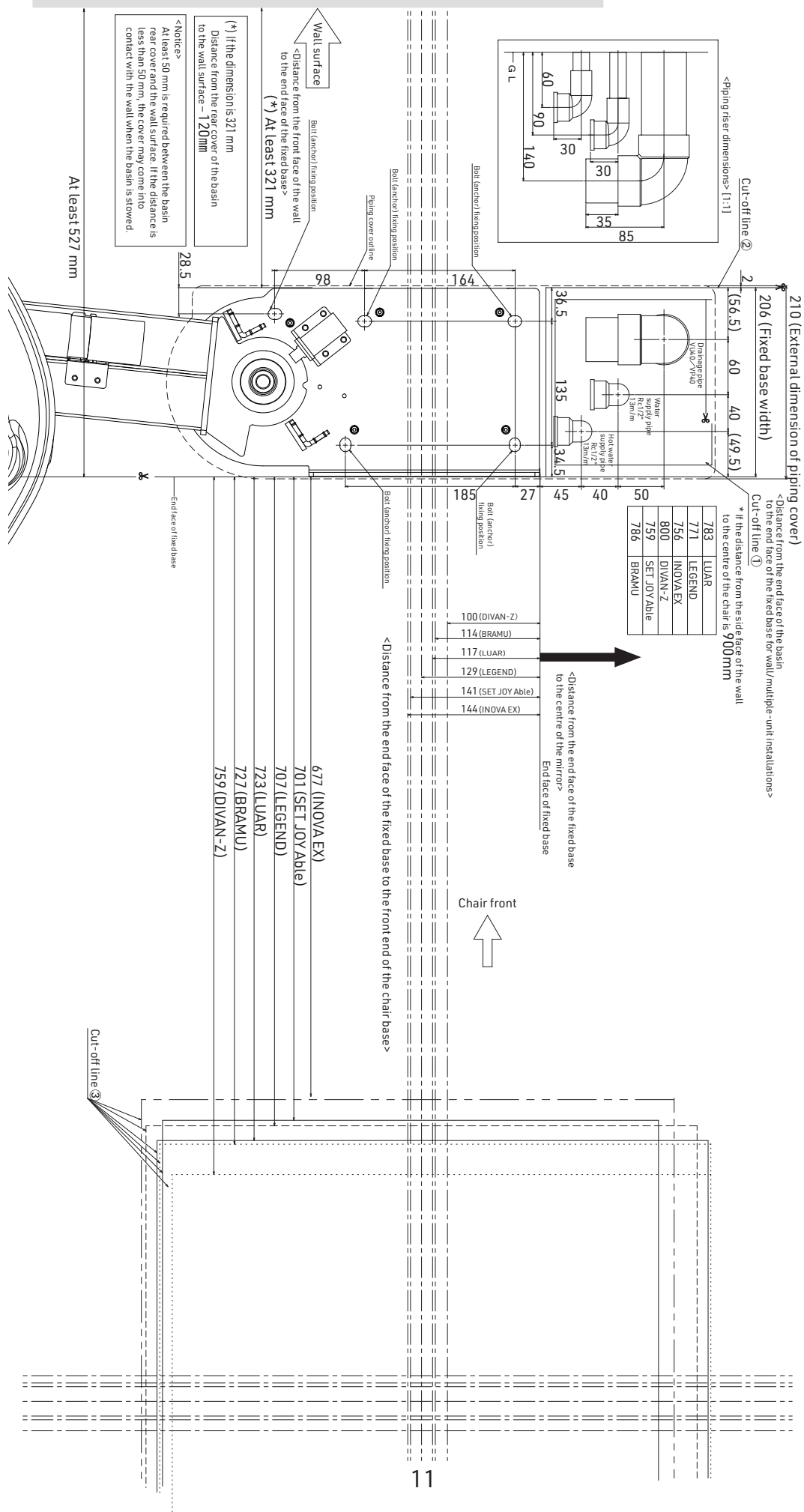
<Installation dimension templates: Front layout, regular slide basin>



<Installation dimension templates: Rear layout, regular slide basin>

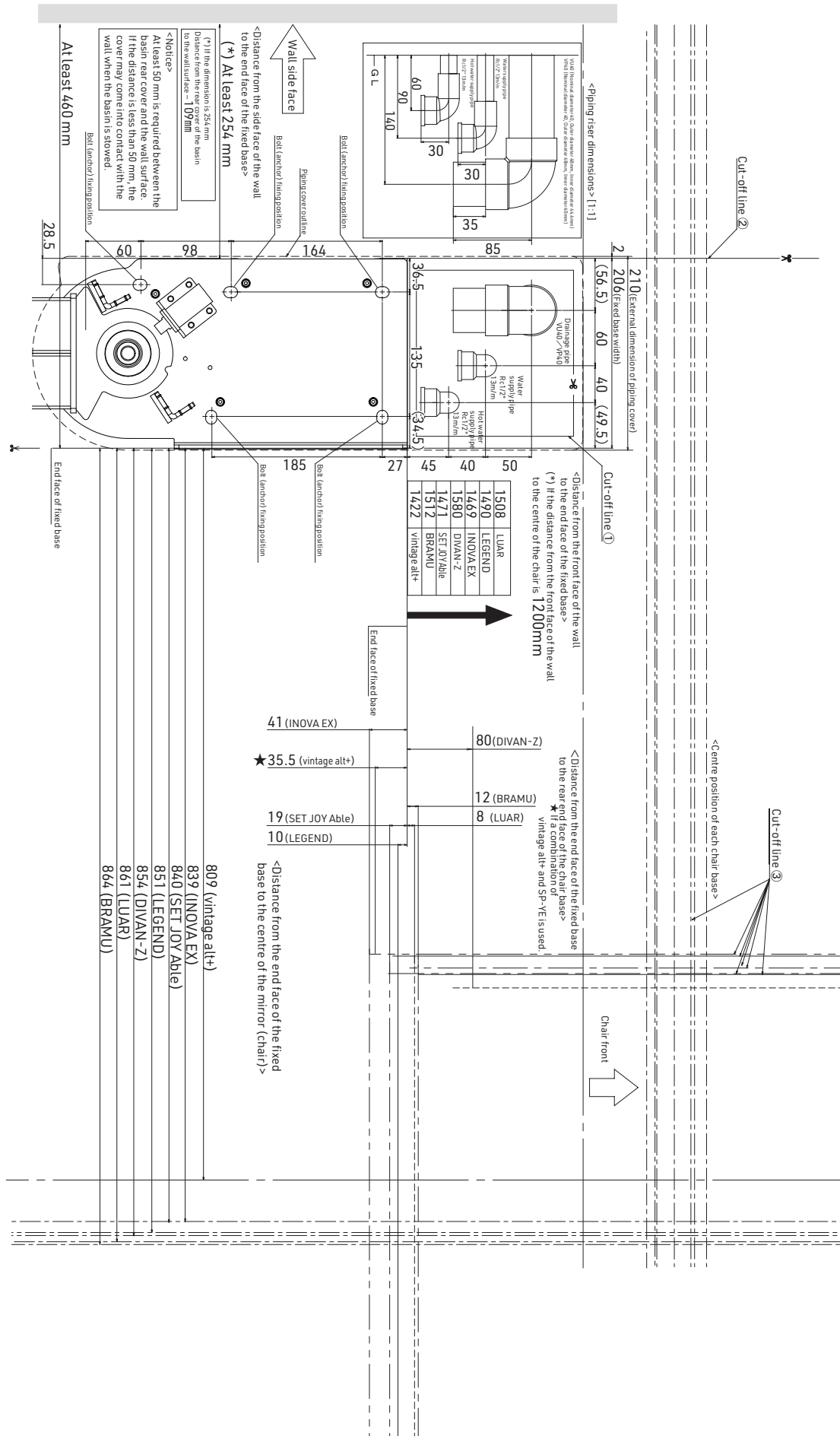


◆ **Product Fixing Position Drawings** **<Installation dimension templates: Front layout, reverse slide basin>**



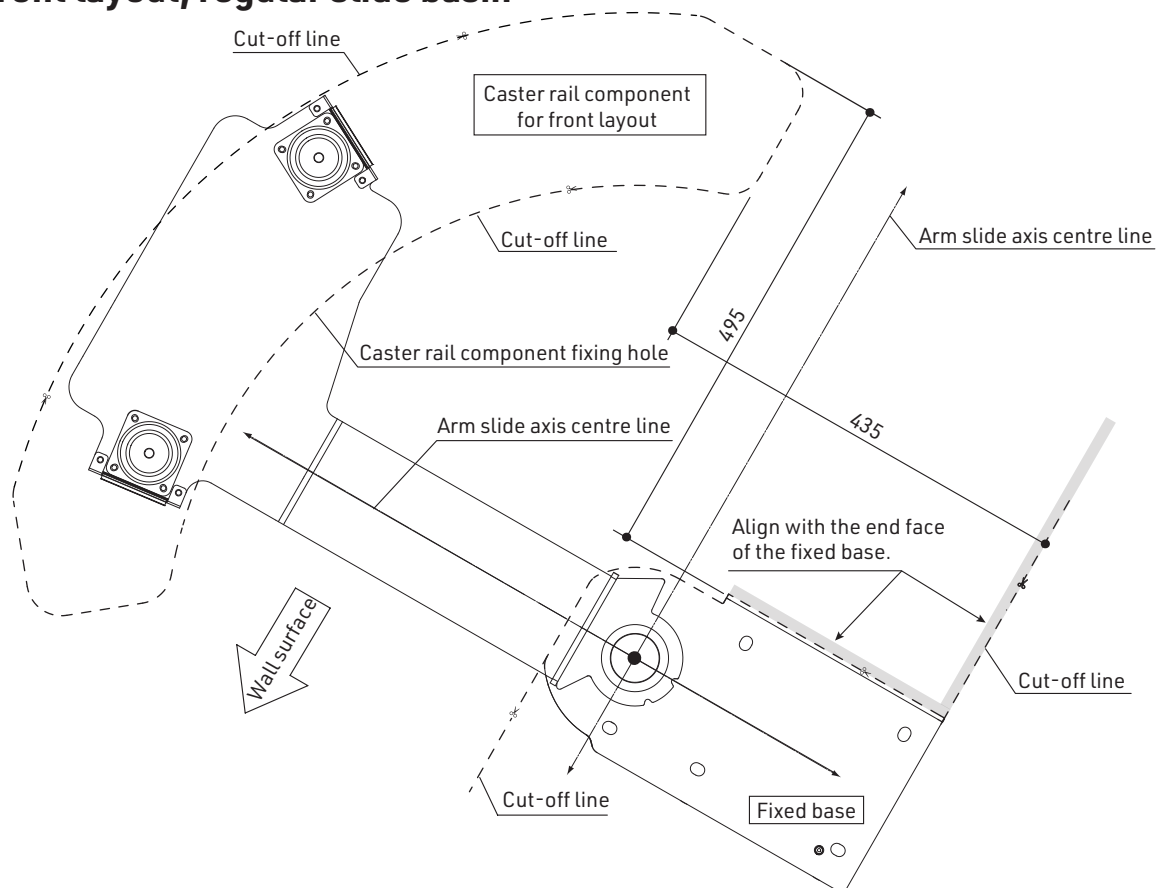
Product Fixing Position Drawings

<Installation dimension templates: Rear layout, reverse slide basin>

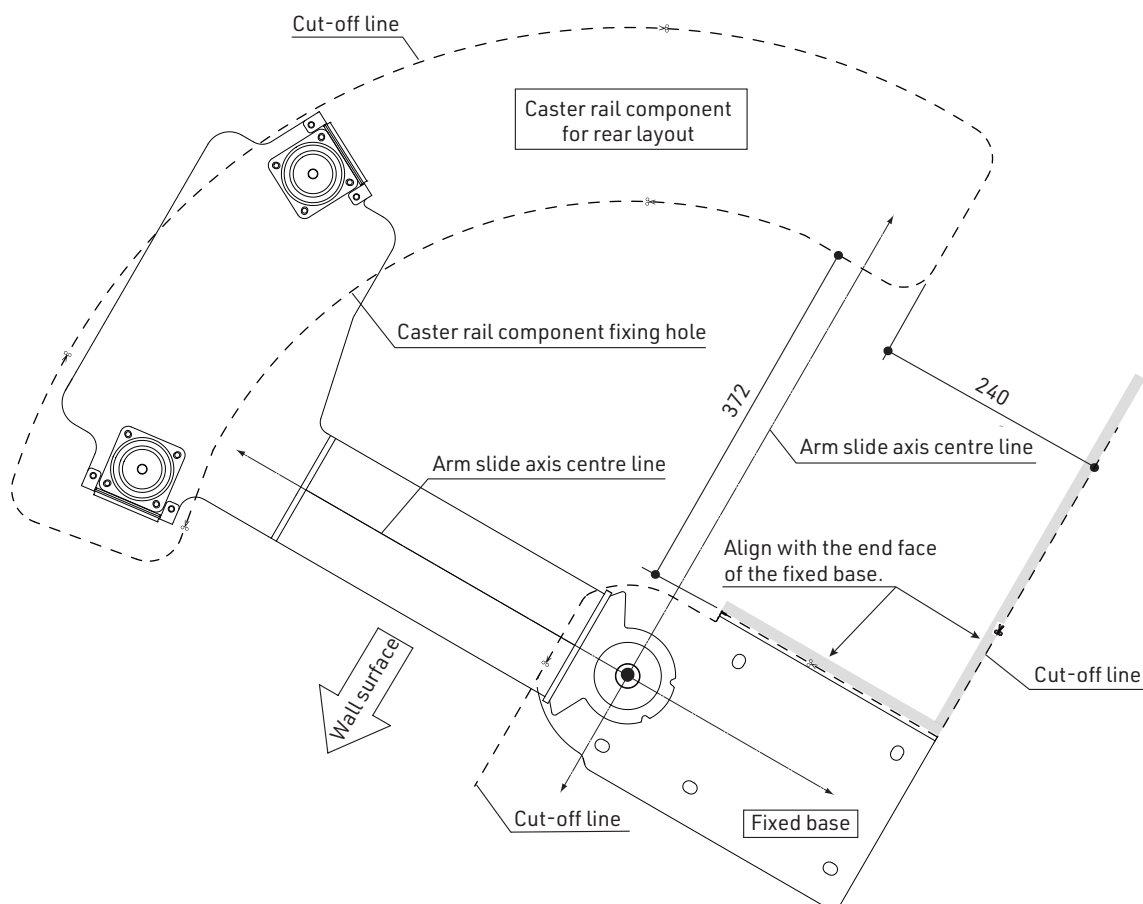


◇ Product Fixing Position Drawings

<Caster rail component installation dimension templates : Front layout, regular slide basin>

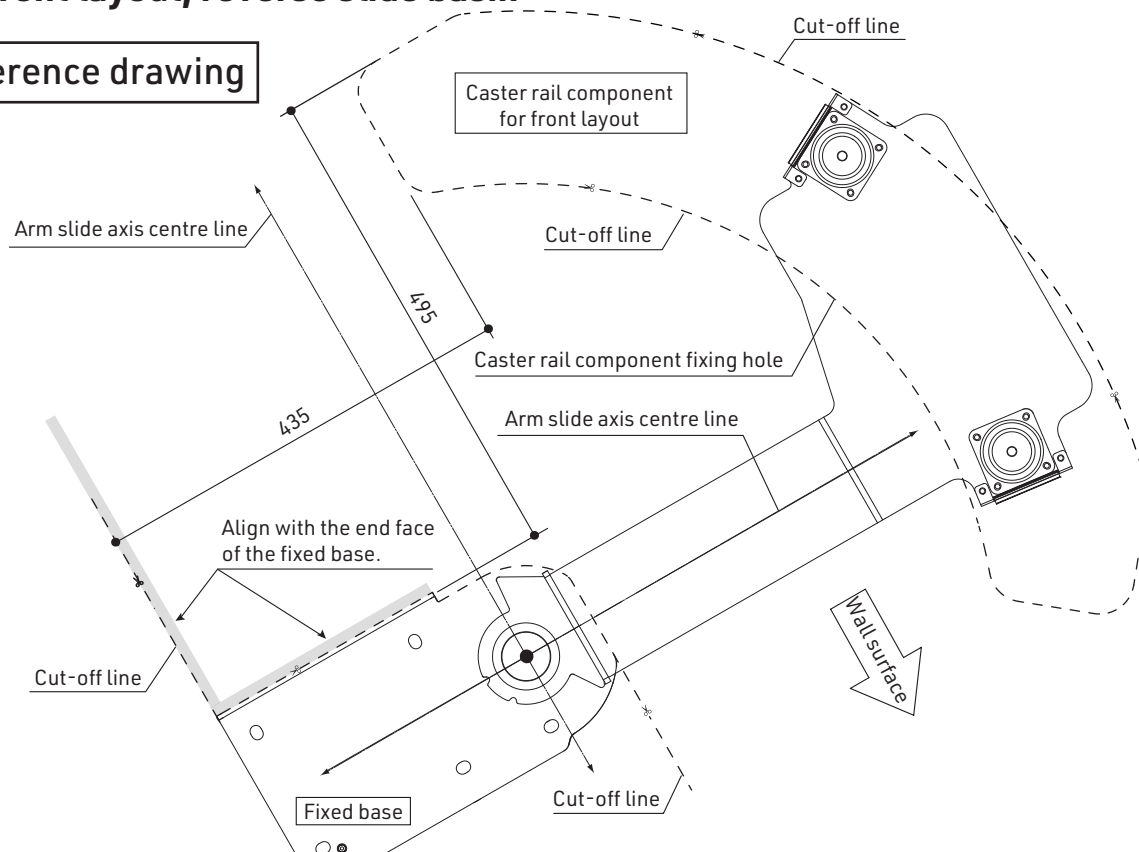


<Caster rail component installation dimension templates : Rear layout, regular slide basin>



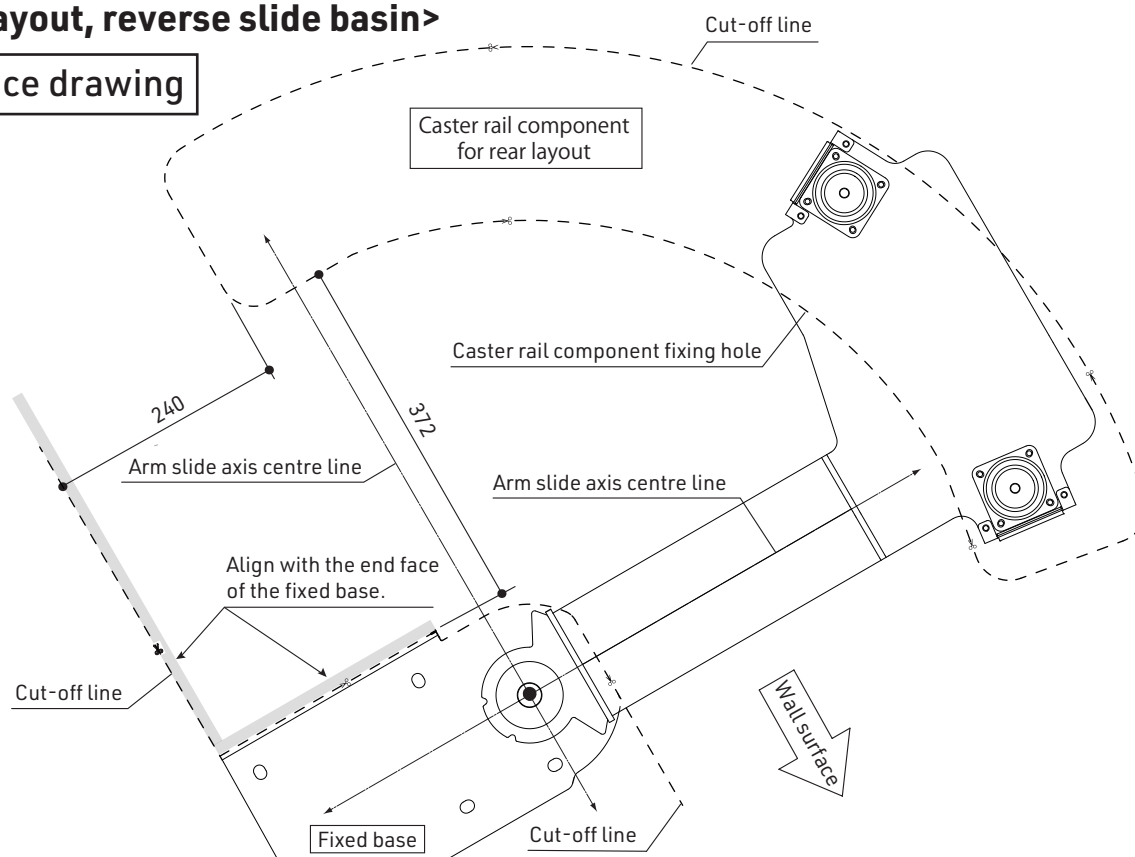
◇ **Product Fixing Position Drawings** **<Caster rail component installation dimension templates** **: Front layout, reverse slide basin>**

Reference drawing



<Caster rail component installation dimension templates **: Rear layout, reverse slide basin>**

Reference drawing



These drawings are for reference only and there are no installation dimension templates for reverse slide basin specifications. However, the templates for regular slide basin specifications can be turned over and used as templates for the reverse slide basin specifications.

◆ Confirmation of installation conditions

Floor surface

- Use water - resistant or waterproofed materials as floor surface materials and floor finishes.
- Ensure that the floor surface is level to facilitate the rotational/slide movement of the unit.
- The floor surface must be smooth to avoid unevenness in the fixed base installation area.

Piping riser

[Piping specifications]

Hot and cold water supply	Rc 1/2"
Drainage	VU40/VP40

[Riser dimensions]

Piping specifications	Riser height		
	Hot water supply	Water supply	Drainage
Under-floor piping	60 mm	90 mm	140 mm
Wall piping	60 mm	90 mm	140 mm
Above-floor piping	60 mm	90 mm	140 mm

- If the floor finish is made of tiles or similar material, cracking may occur when the bolts to install the fixed base are tightened. In this case, refer to the templates to change the fitting area in contact with the floor to plywood, mortar, or other appropriate material.
- Do not use tile or glass on the floor surface where the caster rail component is fitted.
- The floor surface must have the following strength.

In the case of mortar floor	The veneer thickness must be at least 30 mm (two 15 mm boards or more).
In the case of wooden floor	The mortar thickness must be at least 50 mm.
In the case of special floor (e.g., stone flooring)	A foundation with the abovementioned strength is required for the installation location.

Measures to prevent water leakage

- If this product is installed on a floor above the ground floor, be sure to take waterproofing measures (e.g., conducting waterproofing work, installing a pan made of stainless steel sheet, or installing a leak sensor).
- Be sure to close the gap between the pipework and the opening for the piping riser with a caulking agent or similar.

Pipework installation

The matters contained in this section are important for pipework installation. Confirm them thoroughly to conduct piping work correctly.

- * Careless pipework installation may cause mixing not to work properly, and as a result the temperature of the discharged hot water may not be constant.
- This product is for indoor use only. Be sure to install it indoors.

◆ Confirmation of installation conditions

Pipework installation precautions

- Water supply (primary water supply) piping
 - In the case of direct pressure piping from the municipal water supply, ask a contractor designated by the respective water authority to carry out the piping work in accordance with the water supply piping work standards and other local regulations.
 - In the case of piping other than direct pressure piping from the municipal water supply (e.g., water supply intake piping from an elevated water tank), carry out the piping work in accordance with the water supply piping work standards and other local regulations.
- Do not use rusting pipe materials for water supply pipework.
 - As a rule, use VP pipes or materials specified by the relevant water authority.
- As a rule, use deoxidised copper pipes, type L, for hot water supply pipework.
- As a rule, the diameter and pressure of the hot and cold water supply pipes should be the same.
- Be sure to ream and debur the cut surfaces of the pipes.
- Avoid inverted U-shaped piping, which can cause air accumulation.
- Be sure to remove pipe debris, dust, sand and oil from the hot and cold water supply pipes before making the pipe connections.
 - * Failure to do so can cause problems.
- The slope of the drainage pipes should be at least 1/50 for drainage pipes with a diameter of less than $\varnothing 75$, and at least 1/100 for pipes with a diameter of $\varnothing 75$ or greater.
- Do not reverse the hot and cold water supply pipes.
 - * Reverse piping can cause poor temperature control of the water fittings, which can lead to burns and other problems.
- The distance between the hot water pipework and the water heater should be as short as possible to reduce resistance.
 - * Longer pipework distance can cause temperature changes and poor hot water discharge.
- Hot water boiler piping
 - As a rule, the diameter and pressure of the hot and cold water supply mains should be the same.
 - Be sure to ask a specialist contractor to install the hot water boiler.
- The appliance has a built-in hair catcher. Handle with care.
- After pipework installation, be sure to wrap the pipework with thermal insulation.
- After making the pipe connections and conducting a water flow test, clean the strainer and the shower head.

Use Conditions

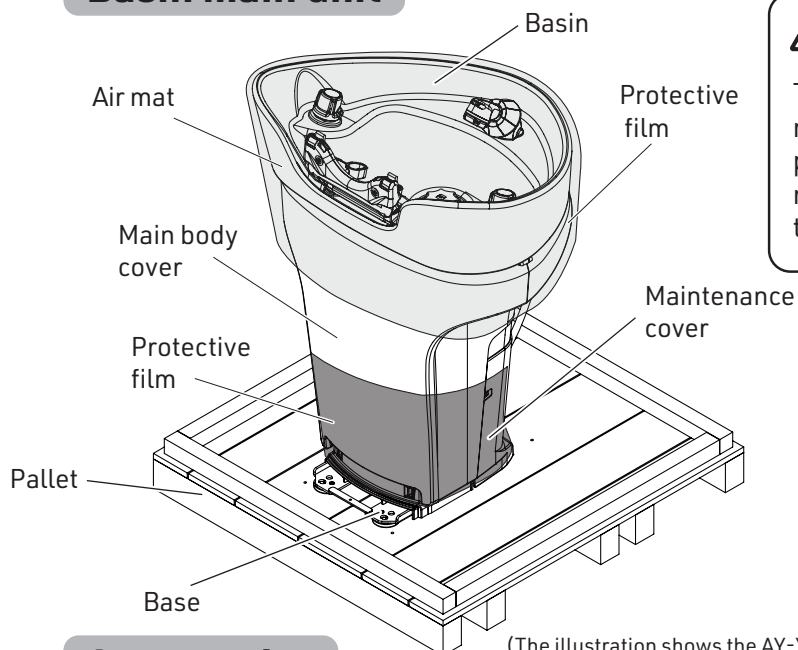
Hot and cold water supply use conditions

Water used	• Tap water (Do not use non-potable well water or water containing rust or sand.) • When using water with a hardness of 80 ppm or more, apply water softening treatment to prevent the pipework of the basin device from becoming clogged with scale. When using potable well water, it may make the shampoo hard to lather, so apply water softening treatment in the same way.
Hot and cold water supply pressure	• Keep the pressure in the range 0.1 to 0.4 MPa (1 to 4 kgf/cm²). Even when multiple units are used, the pressure must not fall below 0.1 MPa (1 kgf/cm²). • Make sure that the cold water supply pressure is greater than or equal to the hot water supply pressure. • The difference between the hot and cold water supply pressures should be within 0.2 MPa (2 kgf/cm²).
Temperature of hot water supplied to the unit	• Keep the hot water supply temperature at 80°C or less. • Keep the hot water supply temperature at least 10°C higher than the shower temperature.
Water heater	• When using an instantaneous water heater, use 16 L/min or higher. (The hair washing capacity is one YUME SWING main unit per instantaneous water heater.) • When using a hot water storage boiler, refer to the hot water storage boiler instructions. • Do not use steam for hot water supply.

Package Contents (Basin)

Before installation, check that all accessories are included.

Basin main unit



CAUTION

The basin is fitted with an air pad, and the main unit cover is covered with film tape. To protect the basin and the main unit cover, do not remove them until immediately before the pipework installation.

Accessories

(The illustration shows the AY-YMS2BR rear basin.)

* Decorative screws for fitting the maintenance cover are attached to the basin main unit. (Decorative screw M5 x 9 mm)

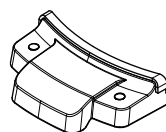
☐ Drain cap...1



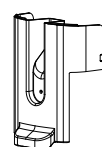
☐ Hair catcher...1



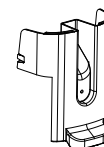
☐ Leg cover...1



☐ Maintenance cover...1

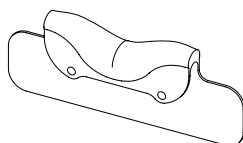


For regular
slide basin



For reverse
slide basin

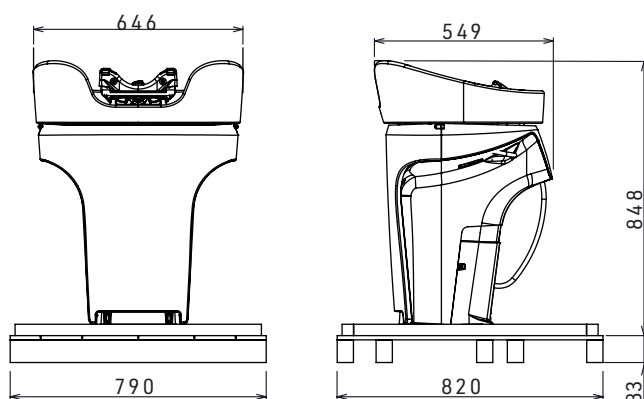
☐ Neck cushion...1



☐ Head cushion...2



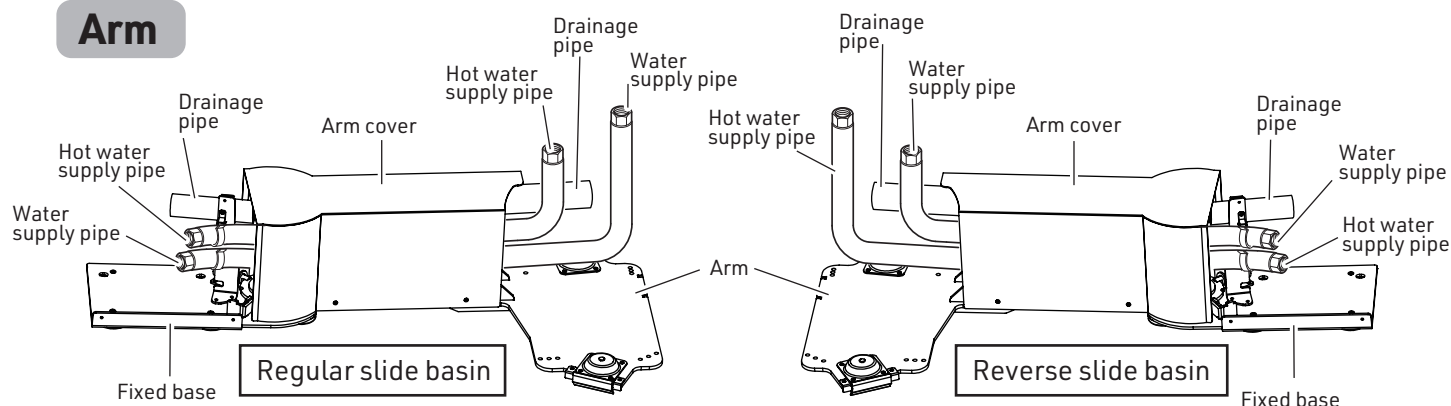
Packing type size and weight



Basin main unit 36.5 kg, pallet 20 kg

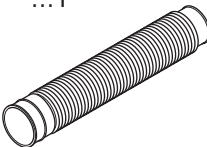
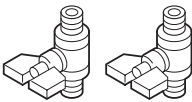
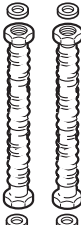
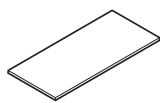
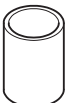
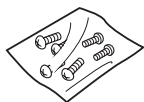
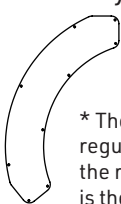
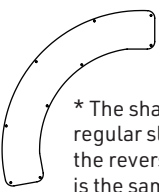
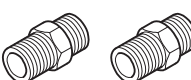
Package Contents (Arm)

Arm



Accessories

<Common to for front layout and rear layout>

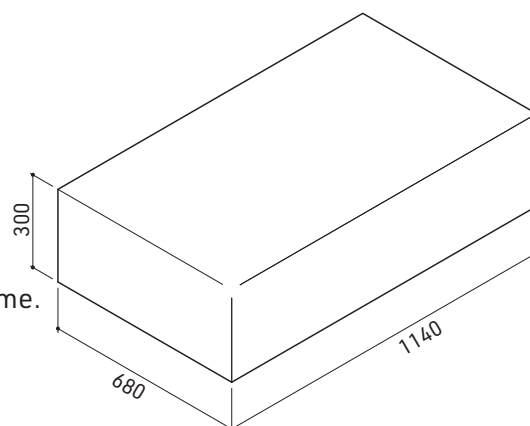
- ☐ Drainage hose fastening fixture (Small...1, large...2) 
- ☐ Drainage hose gasket (Small...1, large...2) 
- ☐ Drainage hose ...1 
- ☐ Water shut off valve...2 
- ☐ Flexible pipe ...2 (L = 200 mm) 
- ☐ Piping gasket (sponge)...1 
- ☐ Wood block ...1 
- ☐ PVC 90-degree elbow ...1 
- ☐ PVC pipe ...1 (L = 55 mm) 
- ☐ Operating Instructions ...1
- ☐ Screw set for installation ...1 
- ☐ Caster rail component...1 each
- ☐ Installation Instructions (this document)...1
- ☐ Paper template...1
- <Front layout>  * The shape of the regular slide basin and the reverse slide basin is the same.
- <Rear layout>  * The shape of the regular slide basin and the reverse slide basin is the same.
- ☐ Nipple...2 
- ☐ Sticker...6
* Four of them are spare. 

Packing type size and weight

<Arm: Front layout/rear layout>

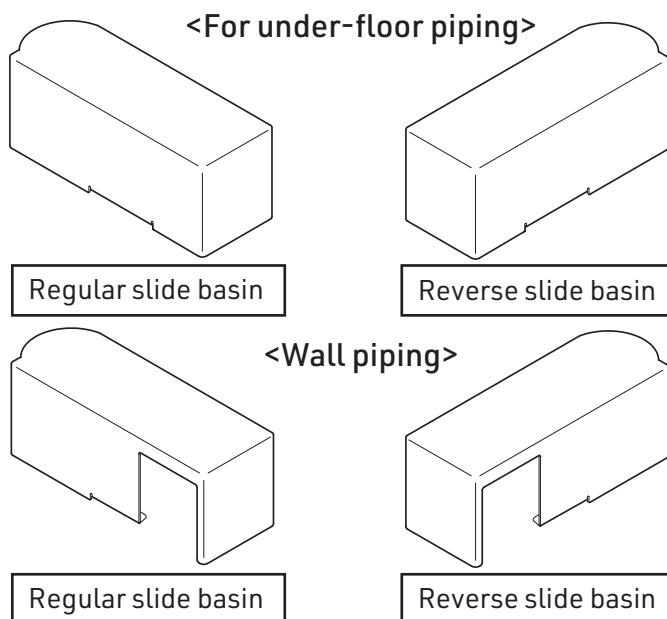
Arm 18 kg (including the caster rail component)
Carton case 5 kg

* The weight of the front layout and the rear layout is the same.



Package Contents (Piping Cover)

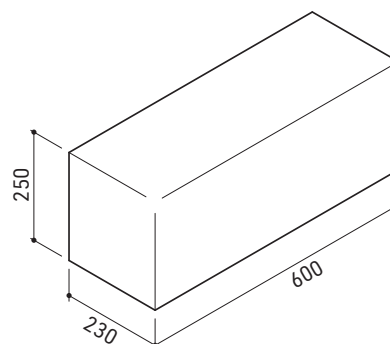
Piping cover



Packing type size and weight

<Piping cover:
Under-floor piping/wall piping>

Piping cover 5 kg
Carton case 1 kg



Unpacking of the Unit

Unpacking of the basin main unit

◆ Removing the main unit from the skid

While supporting the basin main unit, remove the bolts securing the main unit and the skid (four locations).



CAUTION

Make sure that this work is conducted by two people. When removing the bolts, the basin main unit must be supported or it may fall over.

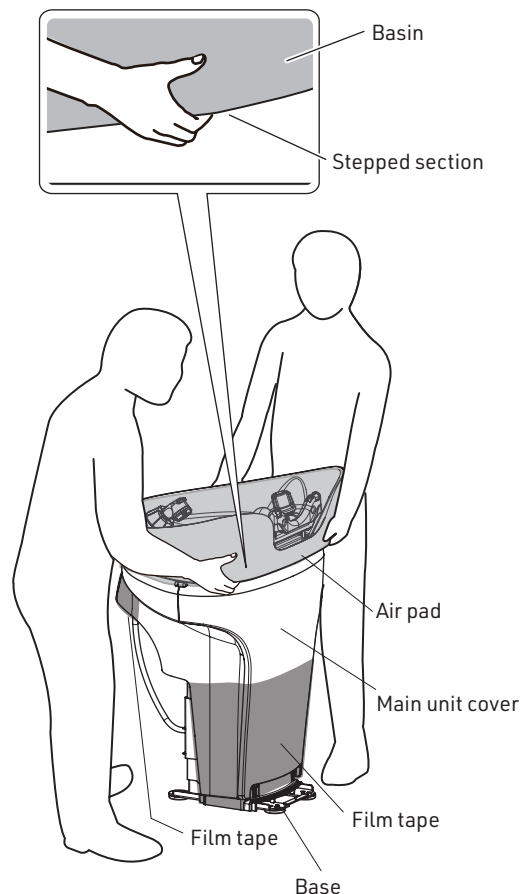
◆ Carrying the basin main unit

Carry the basin main unit in accordance with the following items.

- The air pad attached to the basin and the film tape attached to the main unit cover should be left in place when carrying the main unit.
- Hold the stepped sections under the basin.
- Do not hold the main unit cover.
- Make sure that the basin main unit is carried by two people. [Refer to the top right figure on page 21.]

CAUTION

- Never hold the main unit cover. Doing so may cause the main unit cover to be damaged.
- Handle the basin with care as it is heavy and easily breakable.
- Never hold and drag the basin (ceramic). The foot section is made of metal, which may damage the floor and other surfaces or cause the basin to be damaged.
- If metal objects, such as watches or belts, rub against the basin, they may leave marks on the basin. Remove watches and other metal objects when carrying the basin.
- Take great care not to damage the covers.
- Do not touch the pipework of the basin main unit. Doing so may cause water leakage.
- The basin main unit must be fixed to the floor or it will be unstable. Be careful not to tip over the basin main unit.



Installation of the Unit

Be sure to install this product in accordance with the following procedure. Neglecting to follow the installation procedure may prevent the basin main unit and chair from being installed correctly.

Flow of unit installation (for new installation)

Common to <Front layout> and <Rear layout>

- | | | | |
|---|--|----|--------------------------------------|
| 1 | Checking the mirror and cabinet positions | 7 | Centring the basin and the chair |
| 2 | Installing the arm
* Use the special templates for fixing.
[Refer to pages 9 to 12.] | 8 | Checking after pipework installation |
| 3 | Installing the caster rail component
* Use the special templates for fixing.
[Refer to pages 13 and 14.] | 9 | Fitting the arm cover |
| 4 | Installing the basin main unit | 10 | Fitting the maintenance cover |
| 5 | Connecting pipes | 11 | Fitting the leg cover |
| 6 | Installing the chair
* Refer to the "Installation Instructions" supplied with the chair for details. | 12 | Fitting the piping cover |

Work after installation of the unit

Common to <Front layout> and <Rear layout>

- Checking the inspection items



- Fitting the neck cushion

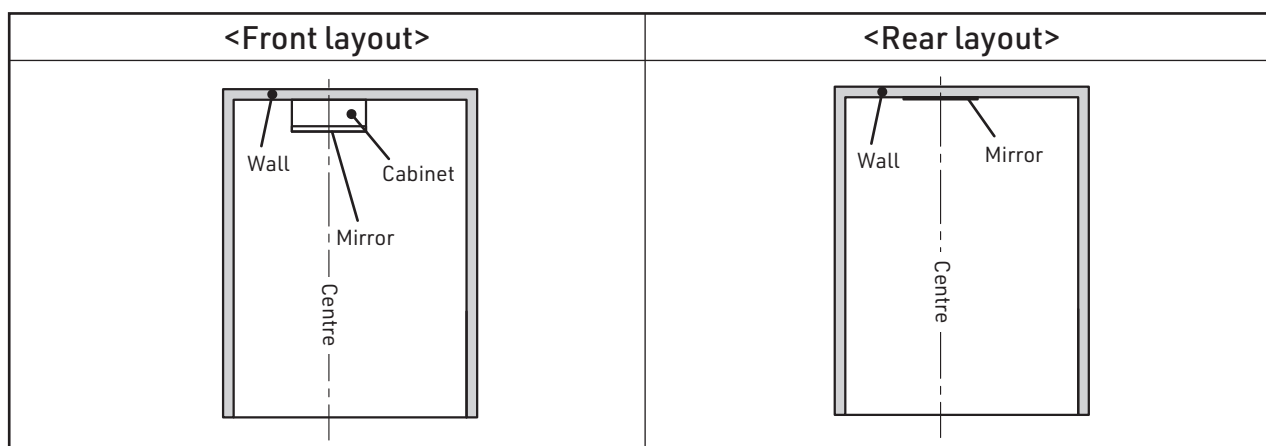
* Only for the rear basin, fit the head cushions.

CAUTION

When fixing the arm and caster rail component to the floor, be sure to mark their installation locations using the templates. [Refer to pages 9 to 14.]

◇ Checking the mirror and cabinet positions

Check the centre positions of the mirror and the cabinet.

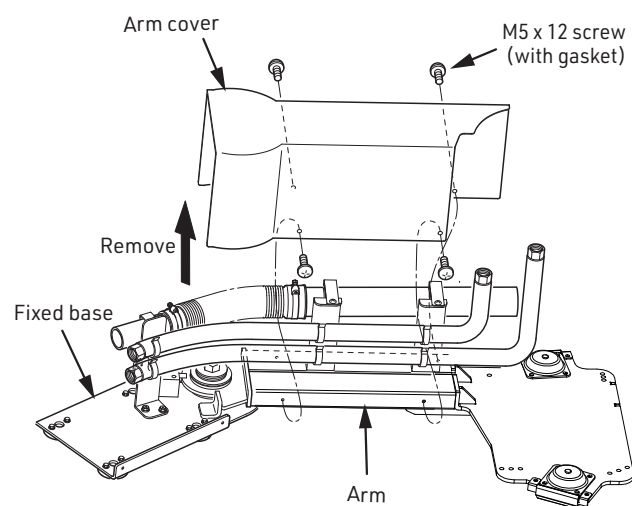


◇ Installing the arm

* The illustrations shown in this section are those for the regular slide basin specifications.

1 Remove the arm cover from the arm.

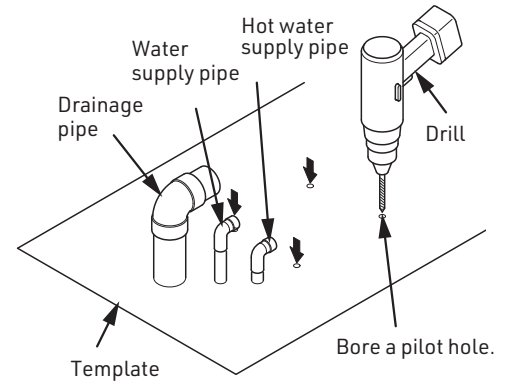
- * The fixed base cannot be fixed to the floor without removing the arm cover.
- * Do not lose the arm cover fitting screws (M5 x 12 mm, with gaskets / 4 pcs.), as they are used during installation.



2 Mark the fixing positions of the arm fixed base.

When making preparations, carefully check the pipework riser dimensions by referring to the Overall Layout Drawings [pages 3 to 8] and the special templates [pages 9 to 12].

- ① Align the special templates with the floor fixing positions of the fixed base and fix them to the floor.
* The floor fixing positions of the fixed base vary depending on the chair type.
- ② Mark the coach screw or anchor bolt fitting positions (five positions) of the arm fixed base.

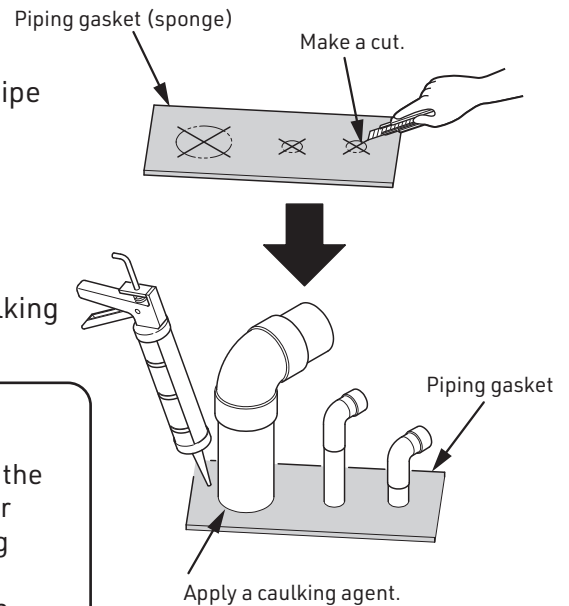


3 Fit the piping gasket.

- ① Make cuts in the piping gasket according to the riser pipe positions.
- ② Peel off the sheet on the adhesive side of the piping gasket and stick it to the floor surface.
- ③ Cut out the cut-in parts in the piping gasket roundly according to the section of the pipes, and apply a caulking agent without gaps.

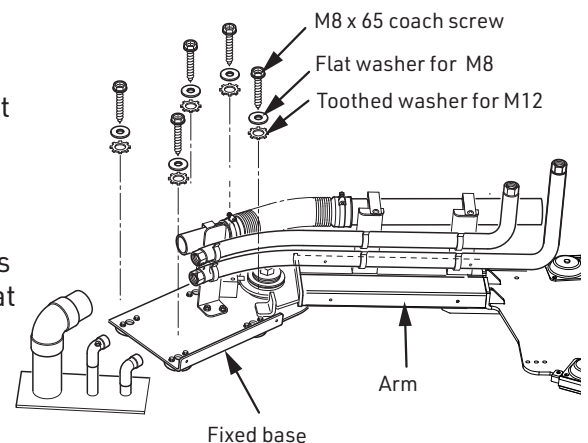
CAUTION

To prevent condensation inside the basin main unit and the arm, and to prevent water from entering the under-floor area in the event of a water leak, be sure to fit the piping gasket and apply a caulking agent without gaps. Failure to fit the piping gasket may lead to condensation, which may cause water to accumulate under the floor and deterioration of structural components.



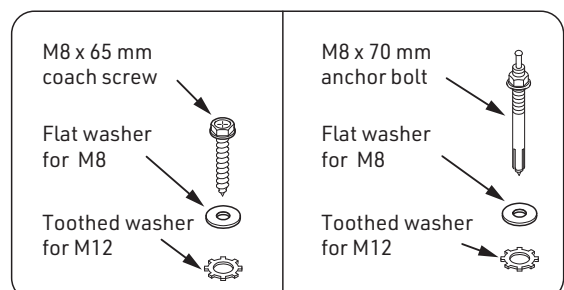
4 Fix the fixed base to the floor with coach screws or anchor bolts.

- ① Align the fitting holes in the fixed base with the pilot holes drilled in step 2.
* Be sure to align the centres of the fitting holes and the pilot holes.
- ② Fix the fixed base to the floor with five coach screws (M8 x 65 mm) or anchor bolts (M8 x 70 mm), five flat washers (for M8) and five toothed washers (for M16).
- ③ If the piping gasket protrudes from the fixed base, cut away the protruding parts.



[Bolts to be used]

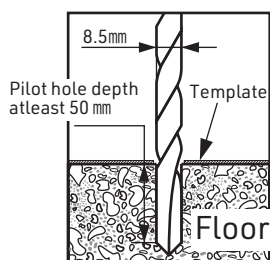
In the case of wood flooring material	In the case of non-wood flooring material
M8 x 65 mm coach screw	M8 x 70 mm anchor bolt



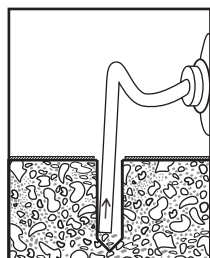
Anchor bolt installation procedure (in the case of non-wood flooring material)

⚠ CAUTION

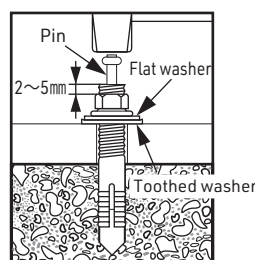
- Do not drive the anchor bolt into the bottom of the pilot hole. Doing so reduces the strength.
- When installing an anchor bolt, make sure that the threaded part of the bolt head is 2 to 5 mm long.



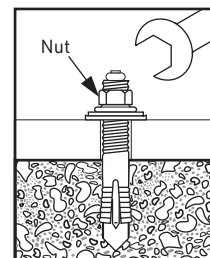
- ① Drill a pilot hole of the specified diameter and depth.



- ② Suck out the chipping in the hole with a dust collector or similar to remove it.



- ③ Insert the anchor bolt and hammer it in until the pin hits the top of the bolt.



- ④ Adjust the tightness of the nut with a spanner or similar.

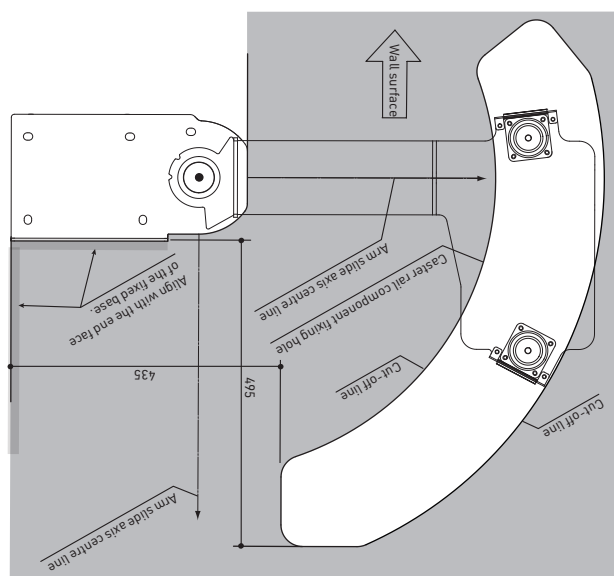
◆ Installing the caster rail component

* The illustrations shown in this section are those for the regular slide basin specifications.

1 Support the arm and apply the template.

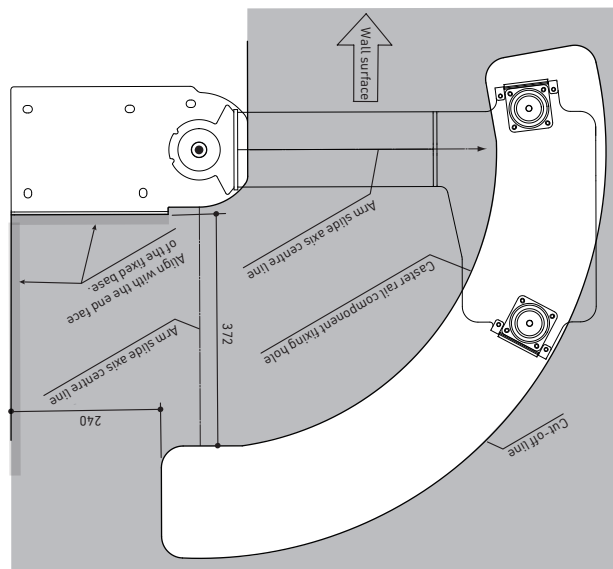
- ① Lift the arm and insert the special template [refer to pages 13 and 14] where the designated cut-out area is cut out.
- ② Align the lines marked with "Align with the end faces of the fixed base" with the end faces of the fixed base.

<Front layout>



Template where the designated cut-out area is cut out

<Rear layout>



Template where the designated cut-out area is cut out

- ③ Fix the template to the floor.
- ④ Insert the accessory wood block [page 19] under the arm [page 25] to lift the arm off the floor.

CAUTION

Do not apply excessive force when lifting the arm. Doing so may cause damage to the unit.

The next step 2 differs depending on whether the flooring material is wood or non-wood.

Follow the appropriate step.

In the case of wood flooring material

NOTICE

... Drill pilot holes in the screw fixing positions of the caster rail component.

[Refer to this page.]

In the case of non-wood flooring material

... Hammer the Fischer plugs into the screw fixing positions of the caster rail component.

[Refer to page 26.]

In the case of wood flooring material

* In the case of non-wood flooring material... [Refer to page 26.]

2 Drill pilot holes in the screw fixing positions of the caster rail component.

- ① Insert the caster rail component under the arm and align it with the template.

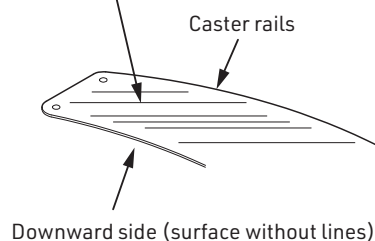
* The surface with a hairline finish should face upwards.

- ② Mark the centre of each screw fitting position of the caster rail component. Be sure to mark the centre of the threaded hole in the actual component.

- ③ Remove the caster rail component.

- ④ Drill pilot holes at the marking positions.

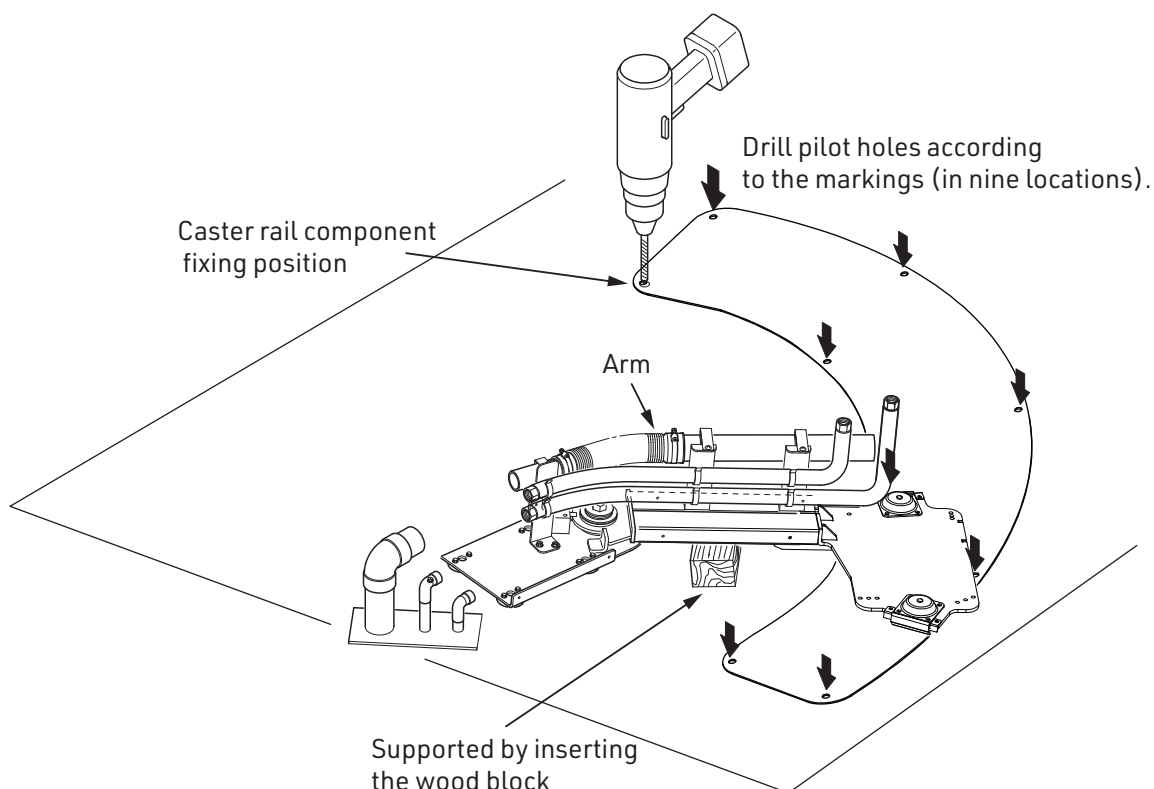
Upward side:
Surface with a hairline finish
(Surface with lines in the
same direction)



[Screws to be used]

In the case of wood flooring material

5 mm x 30 mm slim head tapping screw



In the case of non-wood flooring material

* In the case of wood flooring material...[Refer to page 25.]

2 Hammer the Fischer plugs into the screw fixing positions of the caster rail component.

- ① Insert the caster rail component under the sliding arm and align it with the template.

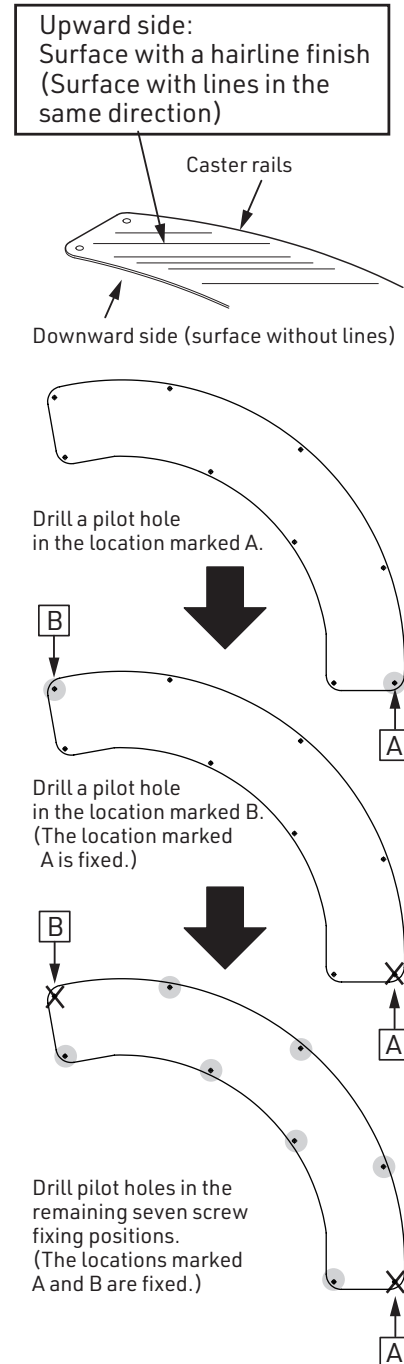
* The surface with a hairline finish should face upwards.

- ② With the caster rail component in place, drill a pilot hole in the location marked **A** in the figure.
- ③ Shift the caster rail component and drive the Fischer plug into the pilot hole.
- ④ Return the caster rail component to the fitting position and fix the location marked **A** with a slim head tapping screw (5 mm x 30 mm).

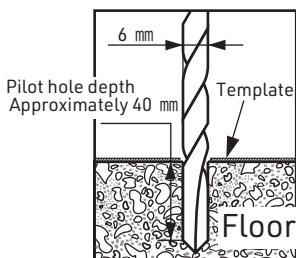
[Screws to be used]

In the case of non-wood flooring material
5 mm x 30 mm slim head tapping Fischer plug

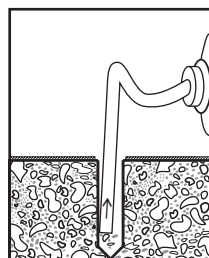
- ⑤ Drill a pilot hole in the location marked **B** in the figure.
- ⑥ Loosen the slim head tapping screw at the location marked **A**, shift the caster rail component and drive in the Fischer plug.
- ⑦ Return the caster rail component to the fitting position and fix the locations marked **A** and **B** with slim head tapping screws (5 mm x 30 mm).
- ⑧ Drill pilot holes in the remaining seven screw fixing positions.
- ⑨ Remove the two slim head tapping screws at the locations marked **A** and **B** fitted earlier and remove the caster rail component.
- ⑩ Drive the Fischer plugs into the remaining seven pilot holes.



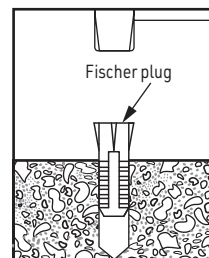
Drill pilot holes in the remaining seven screw fixing positions. (The locations marked A and B are fixed.)



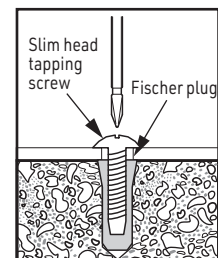
- ① Drill a pilot hole of the specified diameter and depth.



- ② Suck out the chipping in the hole with a dust collector or similar to remove it.



- ③ Insert the Fischer plug and hammer it in until it is fully embedded.



- ④ Align the screw fixing position of the caster rail component and fit the slim head tapping screw.

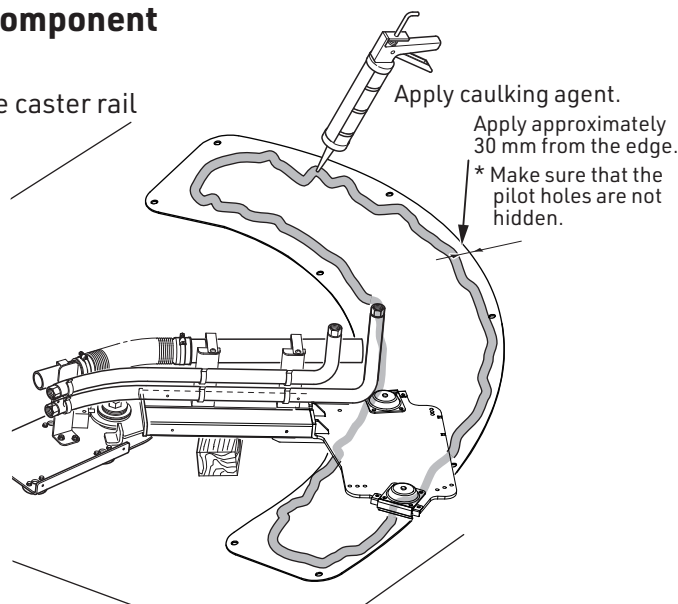
3 Apply a caulking agent at the caster rail component fixing position.

Apply a caulking agent to the floor surface where the caster rail component is to be fixed.

⚠ CAUTION

Be sure to apply a caulking agent.

- Without caulking application, water may enter between the caster rail component and the floor surface, causing the flooring to deteriorate and the rails to rust.
- Apply a suitable amount of the caulking agent so that it does not squeeze out when the caster rail component is placed.



4 Fix the caster rail component to the floor with screws.

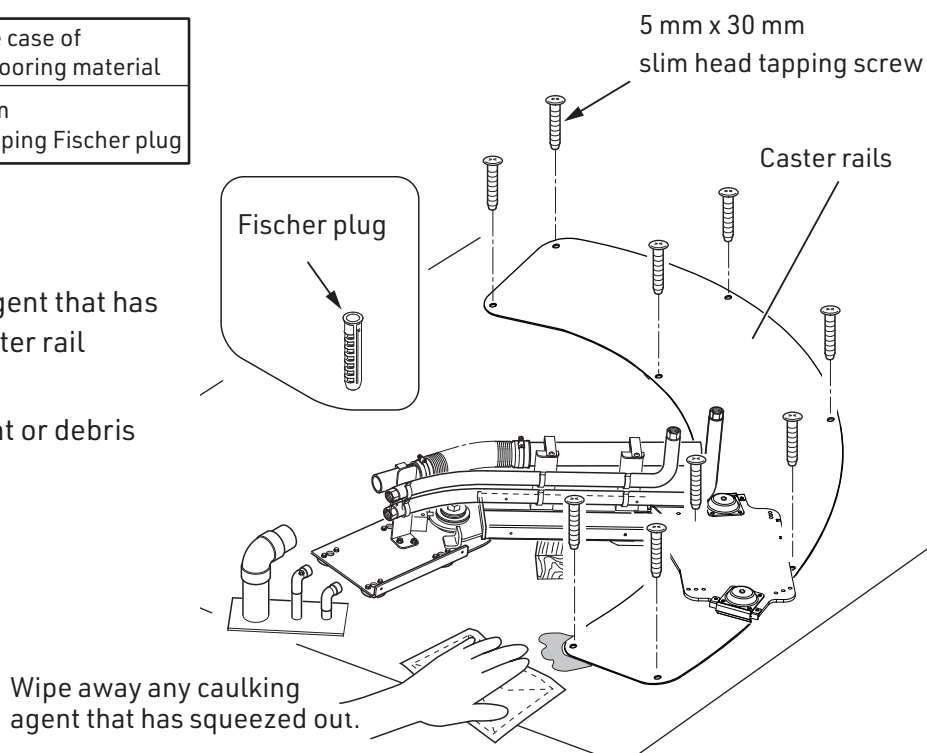
- ① Insert the caster rail component under the arm.
- ② Fix the caster rail component to the floor with nine slim head tapping screws (5 mm x 30 mm).

[Screws to be used]

In the case of wood flooring material	In the case of non-wood flooring material
5 mm x 30 mm slim head tapping screw	5 mm x 30 mm slim head tapping Fischer plug

5 Clean up.

- ① Wipe away any caulking agent that has squeezed out from the caster rail component.
- ② Remove any caulking agent or debris from the casters.



⚠ CAUTION

- The caster rail component should be installed with the hairline finish (page 25) facing upwards.
- The caster rail component should be fixed straight by aligning the centre of each hole in the component with the centre of the screw. If the centre of a hole and the corresponding screw are misaligned, or if the caster rail component is fixed at an angle, some of the holes in the component may become visible.
- When fixing the component with screws, insert the tip of the tool firmly into the cross-hole. If it is not inserted sufficiently, the screw holes may be crushed and rendered unusable. If burrs appear in any screw hole when tightening the screw, replace that screw.
- Fix the screws so that there are no burrs in the cross-holes of the screws. Failure to do so may result in hand injury from burrs.

6 Remove the template and the wood block.

- ① Remove the wood block inserted under the arm.
- ② Lift the arm and remove the template.

⚠ CAUTION

Do not apply excessive force when lifting the sliding arm. Doing so may cause damage to the unit.

◆ Installing the basin main unit

* The illustrations shown in this section are those for the regular slide basin specifications.

Fix the basin main unit to the arm.

Place the basin main unit on the arm base as shown in the figure to the right, and fix the basin main unit with the four hexagonal upset screws (M8 x 20 mm) from the "Screw set for installation" (page 19) supplied with the arm.

* As shown in the figure below right, fix the basin main unit so that the shape of the base of the basin main unit and the arm base are aligned.

* There is a margin of approximately 10 mm for adjusting the position of the basin main unit in the front (on the neck cushion side).

Adjust it when reducing the gap between the chair backrest and the basin neck cushion.

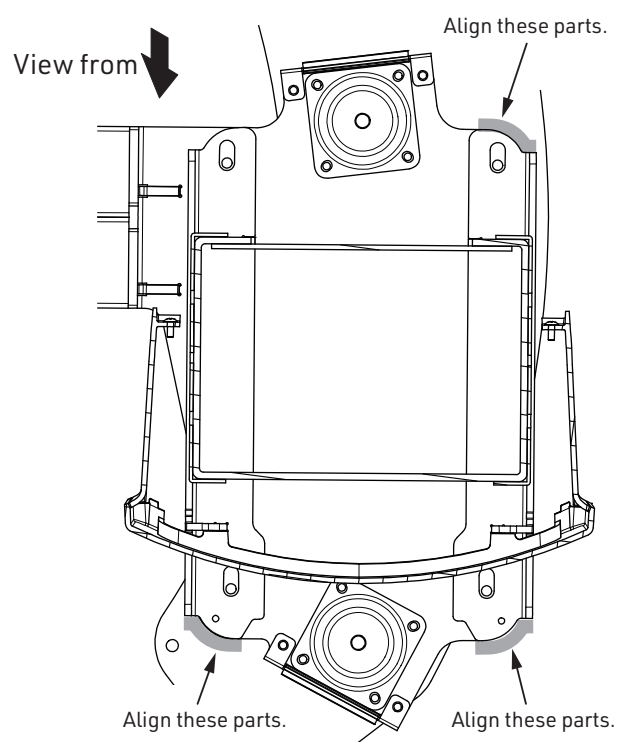
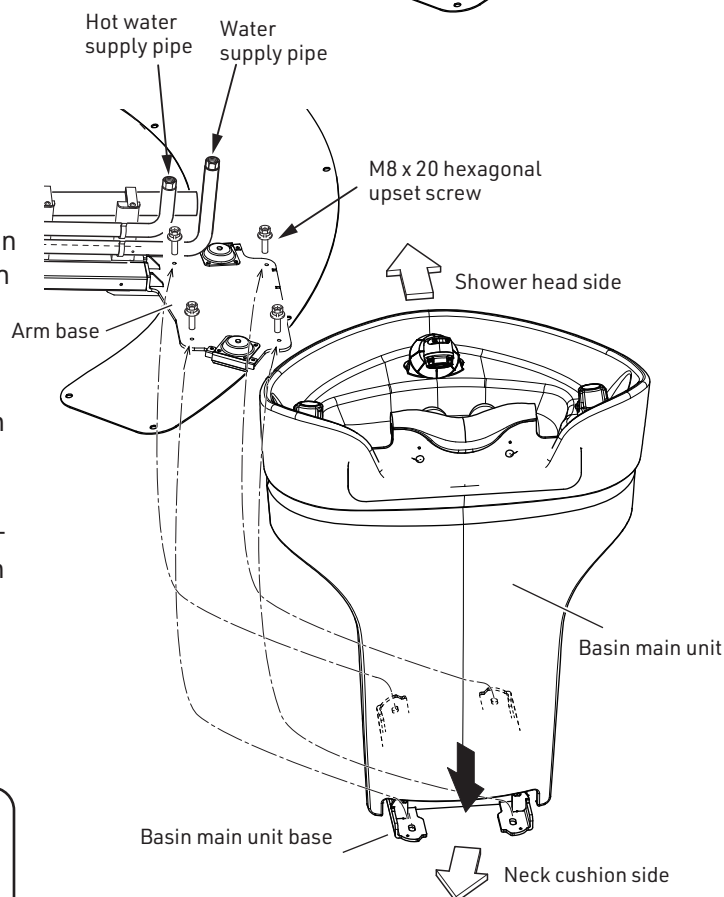
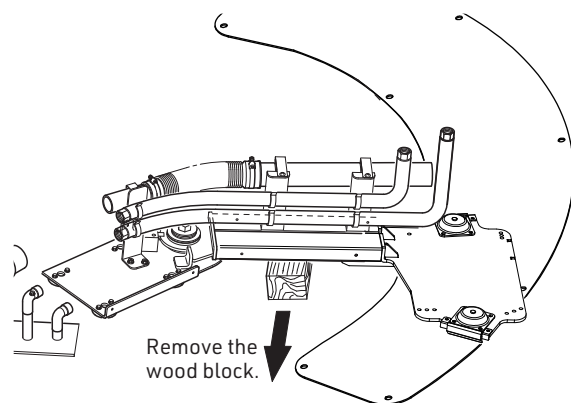
* Re-tighten the hexagonal upset screws after fully tightening them.

⚠ CAUTION

When placing the basin main unit on the arm, be careful not to pinch the hot and cold water supply flexible pipes. Place the basin main unit on the arm while lifting the two flexible pipes.

NOTICE

Use the fixing holes that do not have a black ● sticker attached. The holes that have a black ● sticker attached will be used in the "Basin and chair centring" [refer to page 33].



◇ Connecting pipes

* The illustrations shown in this section are those for the regular slide basin specifications, except in the case of the "Hot and cold water supply pipe connections" on page 30.

1 Connection on the riser pipe side

① Ensure the following matters before starting the work.

- The riser pipes have been installed in accordance with the product specifications (installation and pipework) and in accordance with the instructions in the Overall Layout Drawings [refer to pages 3 to 8] and the templates [refer to pages 9 to 12].

- The pipe gasket is securely installed.

② Remove dust, sand, oil and other pipe debris.

Drainage pipe connections

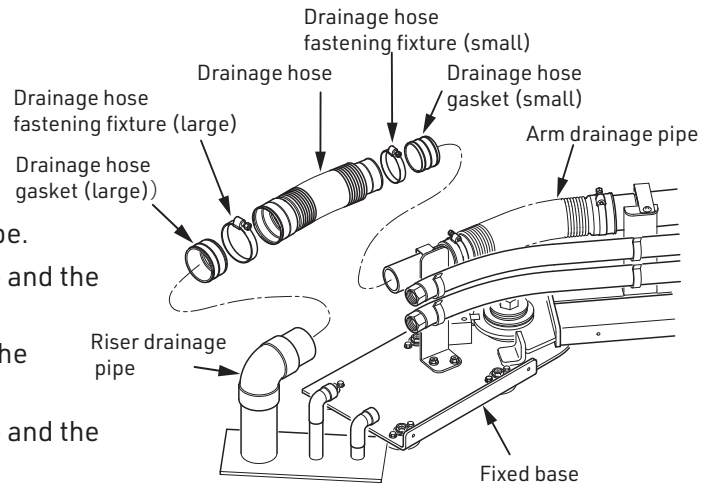
① Fit the drainage hose gaskets to the drainage pipe.

- * Fit the large one on the riser drainage pipe side and the small one on the arm drainage pipe side.

② Pass a drainage hose fastening fixture through the drainage hose.

- * Fit the large one on the riser drainage pipe side and the small one on the arm drainage pipe side.

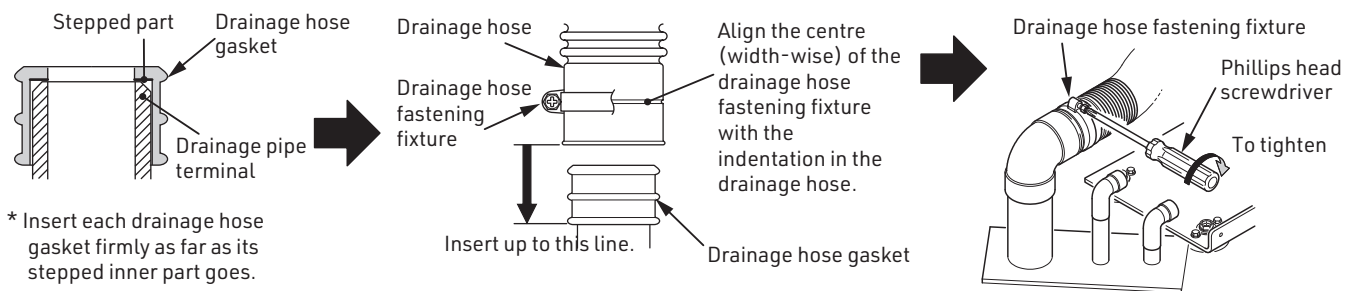
③ Connect the drainage hose and secure it with the drainage hose fastening fixture.



⚠ CAUTION

- Make sure that neither drainage hose is bent or scratched. If either or both drainage hoses are bent or scratched, the flow of water may be obstructed and the relevant drainage hose(s) may break.
- Ensure that both drainage hose fastening fixtures are securely fastened. If either or both are not securely fastened, water leaks may occur or the relevant drainage hose(s) may fall off.

Drainage hose installation details



Hot and cold water supply pipe connections

① Fit the water shut off valve on each of the riser hot and cold water supply pipes.

- * Fix each valve with sealing tape and the corresponding riser hot or cold water supply pipe.

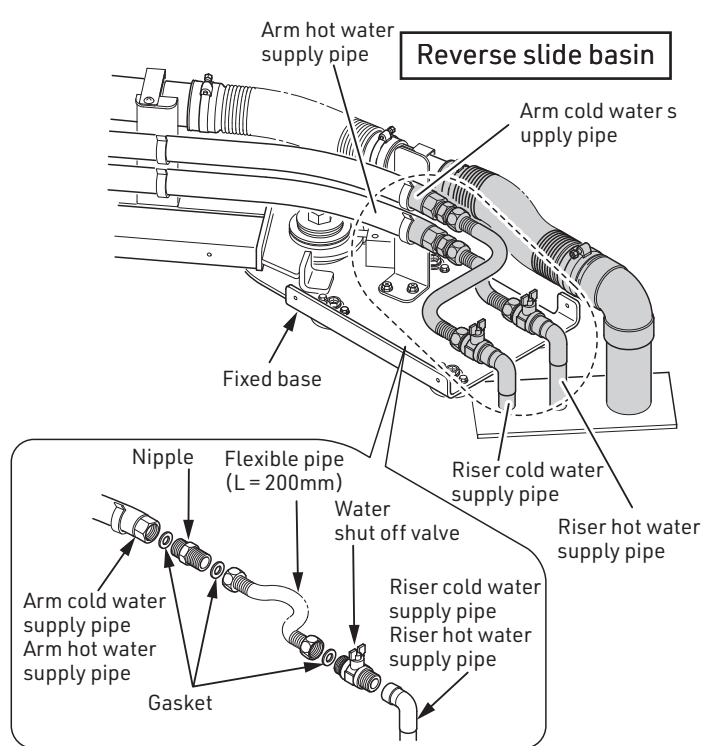
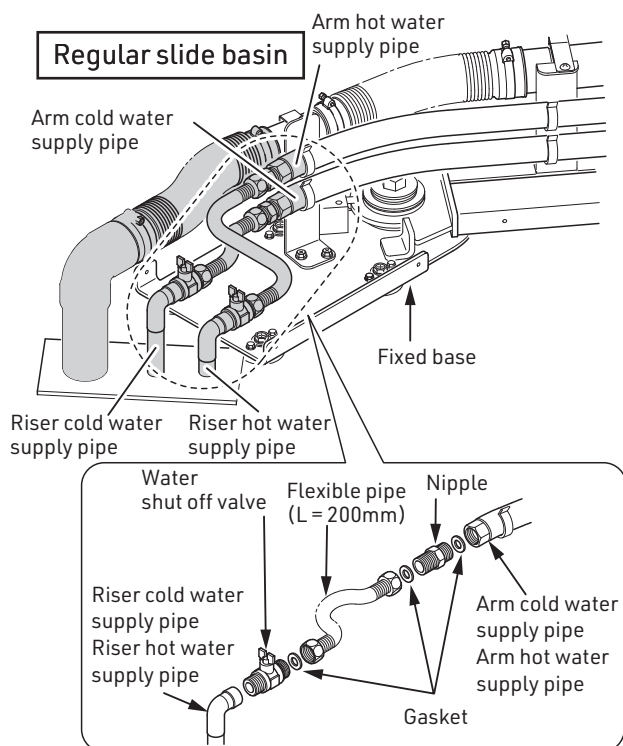
② Attach a nipple to each of the arm hot and cold water supply pipes.

③ Bend a flexible pipe in agreement with the positions of the nipple and the water shut off valve, and connect it between the nipple and the water shut off valve (*1).

④ Check that the grey area in the figure to the right does not move significantly when the arm is slid.

- *1 To identify the pipes for hot and cold water, a cable tie (red) is attached to the pipe on the hot water side (flexible pipe, etc.). Connect the pipes using the cable ties as a guide.

- * The hot and cold water supply pipes move laterally slightly when the arm is slid.



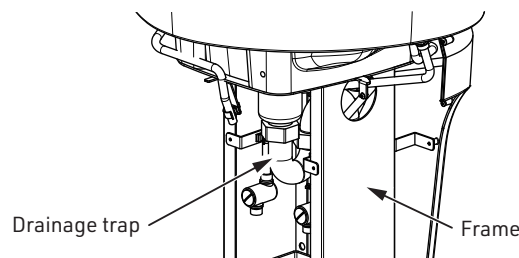
⚠ CAUTION

- Be sure to fit the supplied gasket on the flexible pipe. Failure to do so will result in water leakage.
- Do not confuse the hot and cold water supply pipes when connecting them.
- Ensure that the flexible pipes on the hot and cold water supply sides do not come into contact with each other, and that neither of the flexible pipes come into contact with the drainage hose.
- Ensure that there are no water leaks from the pipe connections.

2 Connections on the basin main unit side

NOTICE

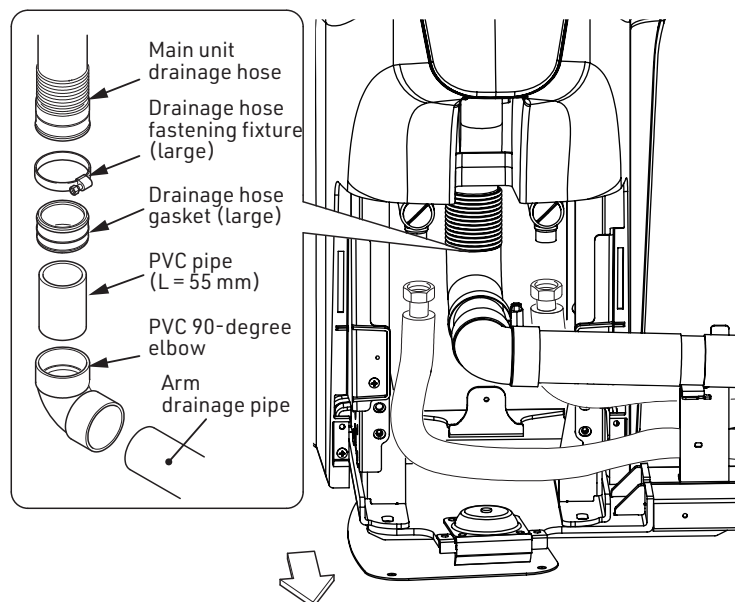
If water leakage occurs due to damage to the drainage trap or other reasons, contact your local authorised Takara Belmont dealer.



* For clarity, the figure shows the state with the plastic cover in the rear of the basin main unit removed.

Drainage hose connections

- ① Fit (glue) a PVC pipe (L = 55 mm) to a PVC 90-degree elbow.
* Be sure to use PVC adhesive.
- ② Fit the drainage hose gasket (large) to the PVC pipe (L = 55 mm).
- ③ Fit the PVC pipe (L = 55 mm) to which the drainage hose fastening fixture (large) is attached to the main unit drainage hose.
- ④ Fasten the pipe and the hose with the drainage hose fastening fixture (large).
- ⑤ Fit (glue) the arm drainage pipe to the 90-degree elbow.
* Be sure to use PVC adhesive.



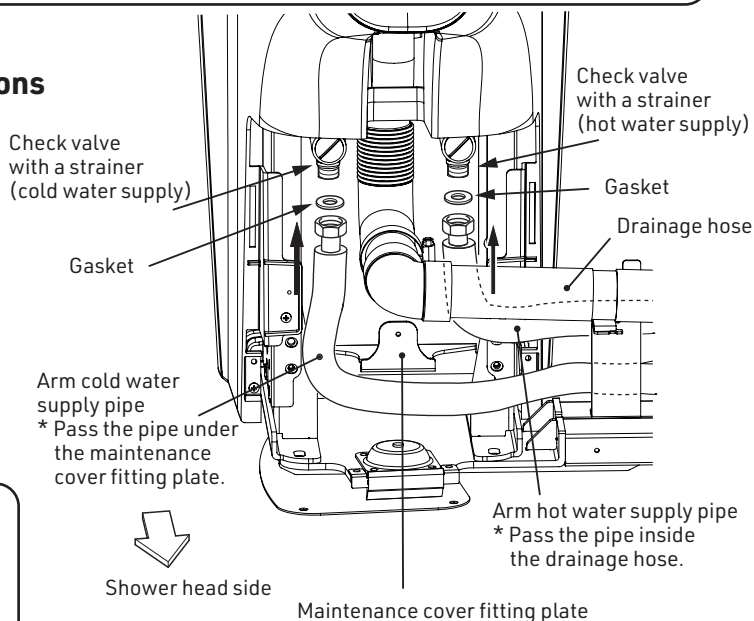
⚠ CAUTION

- Make sure that neither drainage hose is bent or scratched. If either or both drainage hoses are bent or scratched, the flow of water may be obstructed and the relevant drainage hose(s) may break.
- Ensure that both drainage hose fastening fixtures are securely fastened. If either or both are not securely fastened, water leaks may occur or the relevant drainage hose(s) may fall off.

Hot and cold water supply pipe connections

Fit each of the arm hot and cold water supply pipes to the respective check valve with a strainer on the basin main unit side (*).

- * To identify the pipes for hot and cold water, a cable tie (red) is attached to the pipe on the hot water side (flexible pipe, etc.). Connect the pipes using the cable ties as a guide.



⚠ CAUTION

- Do not confuse the hot and cold water supply pipes when connecting them.
- Ensure that there are no water leaks from the pipe connections.

◇ Installing the chair

1 Installing the chair

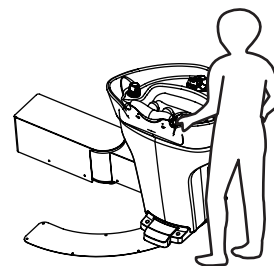
Refer to the Overall Layout Drawings [refer to pages 3 to 6] and the templates [refer to pages 9 to 12] to install the chair.

- * Refer to the "Installation Instructions" supplied with the chair for details of the installation of the chair.

When moving the basin

When moving the basin, hold it by its rim.

The basin can be locked in the initial and treatment positions. There is a light click when it is locked.



⚠ CAUTION

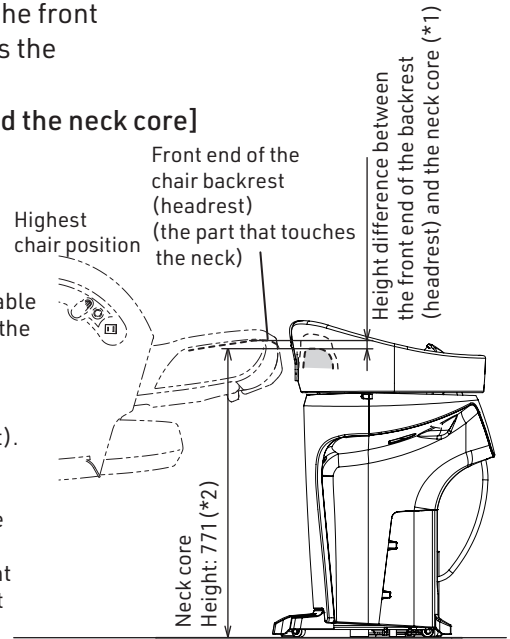
When moving the basin near the initial position or the treatment position, slowly lock it with both hands on the basin. Moving the basin vigorously into the lock position may damage the unit or cause personal injury.

- ④ Recline the chair to the maximum extent.
- ⑤ Raise the chair and adjust the height difference between the front end of the chair backrest (headrest) (the part that touches the neck) and the neck core of the basin main unit.

[Height difference between the front end of the backrest and the neck core]

Chair product name	Height difference between the front end of the backrest (headrest) and the neck core (*1)
LUAR	0 mm
LEGEND	0 mm
INOVA EX	-10 mm
DIVAN-Z	10 mm
SET JOY Able	0 mm
BRAMU	0 mm
vintage alt+	25 mm

The values in the table to the left indicate the height of the neck core relative to the front end of the backrest (headrest).
[Example]
In the case of "-10 mm," the neck core should be 10 mm lower than the front end of the backrest (headrest).



(*2) The height of the neck core varies slightly from product to product.

- ⑥ Set the pre-set position of the chair.

3 Checking after chair installation

With the basin in the treatment position [refer to pages 3 to 6] and the chair moved to the pre-set position, check the following items.

* Refer to the "Operating Instructions" supplied with the chair for details of the operation of the chair.

Inspection item

Are the chair and basin centred?

If they are not centred, carry out "Basin and chair centring" [refer to pages 33 to 34].

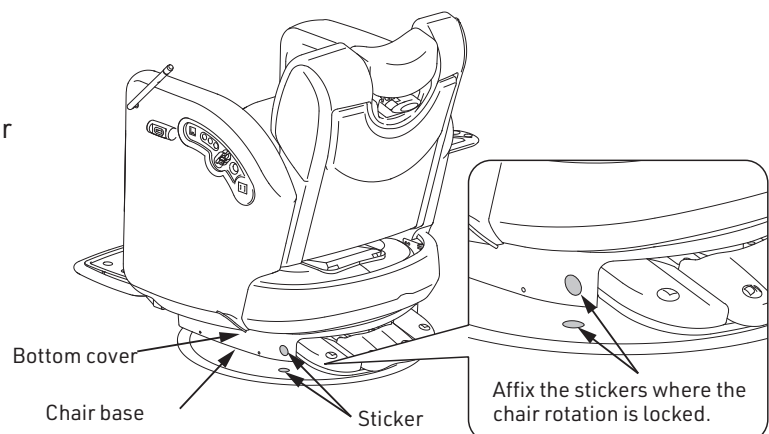
4 Sticker affixation

To make it easier to identify the chair rotation lock position (pre-set position) at the basin treatment position, affix the two ○ stickers included in the accessories [page 19] of the chair to mark the position.

* Four of the six stickers are spare.

Guideline for sticker affixation position

- Chair base and bottom cover
- Positions that are easily visible when operating the rotation lock of the chair

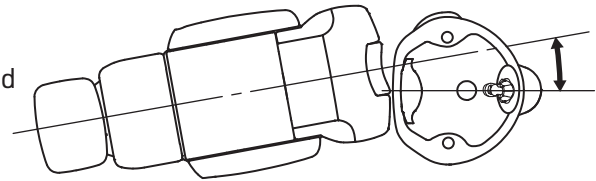
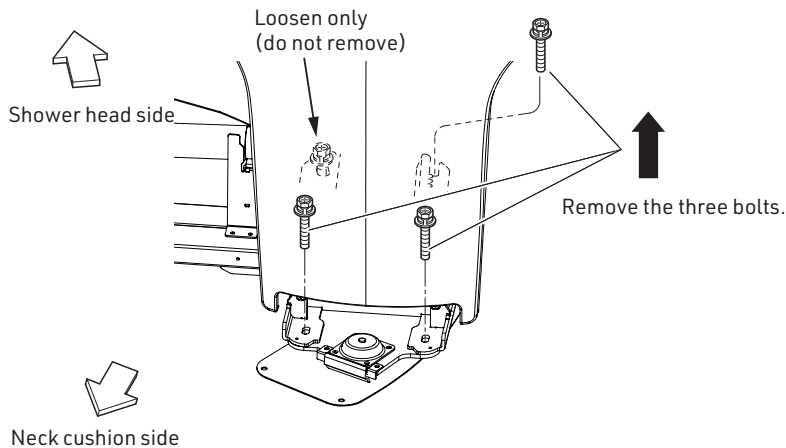


◆ Centring the basin and the chair

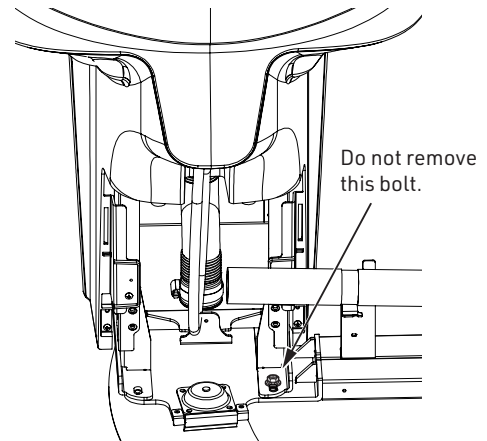
* The illustrations shown in this section are those for the regular slide basin specifications.
If, after the chair has been installed, the chair and the basin are not centred, make the following adjustments.

How to adjust the slide of the basin

- ① Check the centre misalignment between the chair and the basin main unit.
- ② Loosen all four fitting bolts for the basin main unit.
- ③ Move/slide the basin main unit in the direction in which you wish to move/slide and centre the chair and the basin main unit.



● View from shower head side

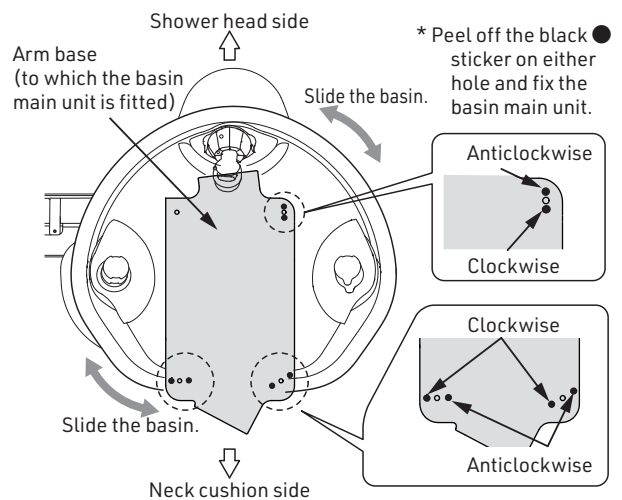


* If they are not centred after performing steps ② and ③, perform the following steps.

- ④ Of the four fitting bolts for the basin main unit, loosen the bolt on the right-hand side at the rear (shower head side) and remove the other three bolts.
- ⑤ Slide the basin main unit around the remaining bolt in the direction in which you wish to move it.
- ⑥ Fit the bolt in the screw hole in the direction in which you wish to move the basin main unit and fix it to the arm.

NOTICE

There is one screw hole each in the clockwise and anti-clockwise directions for adjustment, which is blocked by a black ● sticker. Use them as required.

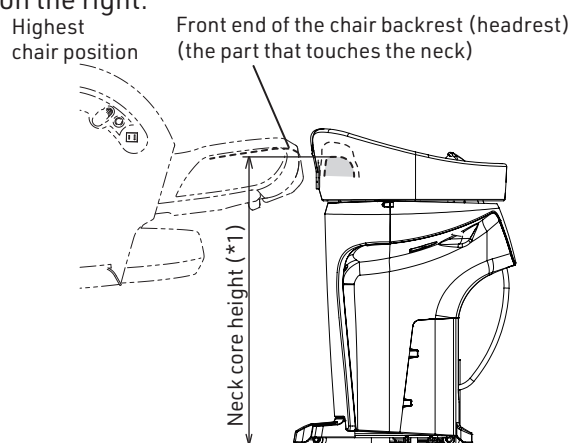


- ⑦ Adjust the position of the chair by referring to the figure on the right.

CAUTION

Ensure that the centre of the chair does not shift from alignment with the centre of the mirror.

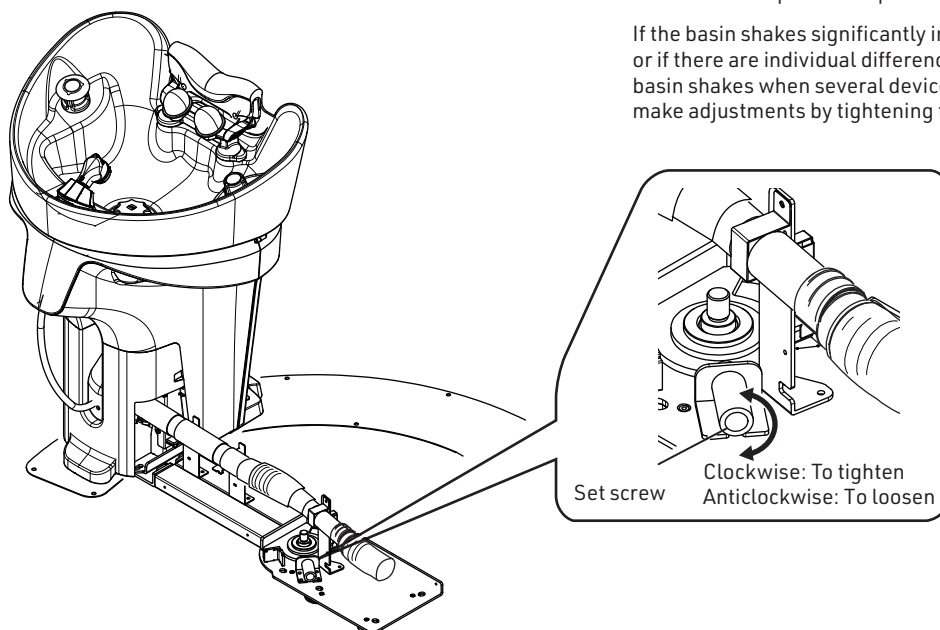
Basin	Neck core height (*1)
AY-YMS2BR [Rear basin]	774



- ⑧ Slide the basin and check how it shakes in the lock position.

(*2) The height of the neck core varies slightly from product to product.

If the basin shakes significantly in the lock position, or if there are individual differences in the way the basin shakes when several devices are installed, make adjustments by tightening the set screw.



◇ Checking after pipework installation

1 Water flow testing

Run water through the device and inspect the following items.

- **Are there any water leaks at the pipe connections?**
Check the pipe connections inside the basin main unit carefully as they may loosen during transport.
- **Is the pressure for the hot and cold water supply the same and constant?** [Refer to page 17.]
If the pressure is not the same, see "How to deal with temperature control problems" [page 36].
- **Can the temperature be controlled correctly?**
- **Is the amount of water discharged from the shower head sufficient?**
Check the following standard amount of water discharged from the shower head as a guide.

[Standard amount of water discharged from the shower head]

		Shower head
Hot water pressure /water pressure		0.1MPa
Discharged water temperature		40°C
Amount of water discharged	Shower	Approximately 9.7 L/min
	Foaming water	Approximately 6.3 L/min

⚠ CAUTION

- To prevent accidents during use, be sure to perform water flow testing.
- The tap (basin section) is not tightened completely when the product is shipped. Water may be discharged from the shower head when the water shut off valve (ball valve) is opened.

NOTICE

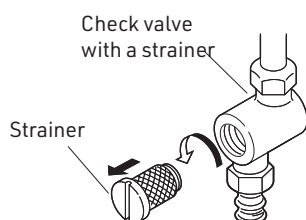
- * The hot and cold water is cloudy for a while after it has been run through; however, this is not abnormal.
- * The thermostat of this product is designed not to produce hot water above approximately 49°C.
(However, the above value is based on the condition that the pressure of the hot and cold water supply is the same, the cold water supply temperature is 20°C, and the hot water temperature is 60°C, and may vary depending on the hot water supply facilities used and the piping environment).

2 Cleaning

- ① Run the hot and cold water through until it becomes transparent.
- ② Clean the strainers (built into the check valves) and shower head.

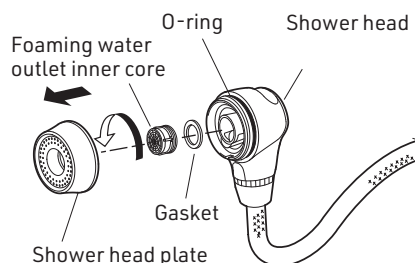
Cleaning the strainer

Remove the strainer and clean pipework debris in it.



Cleaning the shower head

Remove the shower head and clean any debris that has accumulated inside the shower head plate.



⚠ CAUTION

- Cleaning must be carried out. Failure to do so can lead to insufficient flow and poor temperature control.
- When cleaning, be careful not to damage or lose the O-ring or the gasket.

How to deal with temperature control problems

○ Problem descriptions

- ① The hot water comes out strangely (it gets hot and then cold).
- ② Hot water (at a high temperature) does not come out.
- ③ No water (at a low temperature) cannot be discharged.

○ Presumed causes

- ① There is a large pressure difference between the hot and cold water supply, or the pressure of the hot water supply is higher than that of the cold water supply.
[Hot water supply pressure $\leq$ cold water supply pressure (difference between the hot and cold water supply pressures within 0.2 MPa) is normal.]
- ② The pressure of the hot and cold water supply is high.
[A range of 0.1 to 0.4 MPa (1 to 4 kgf/cm²) is normal.]

○ Measures

Install a pressure reducing valve (sold separately) to adjust the pressure.

(It is recommended that the hot and cold water supply pressures be the same.)

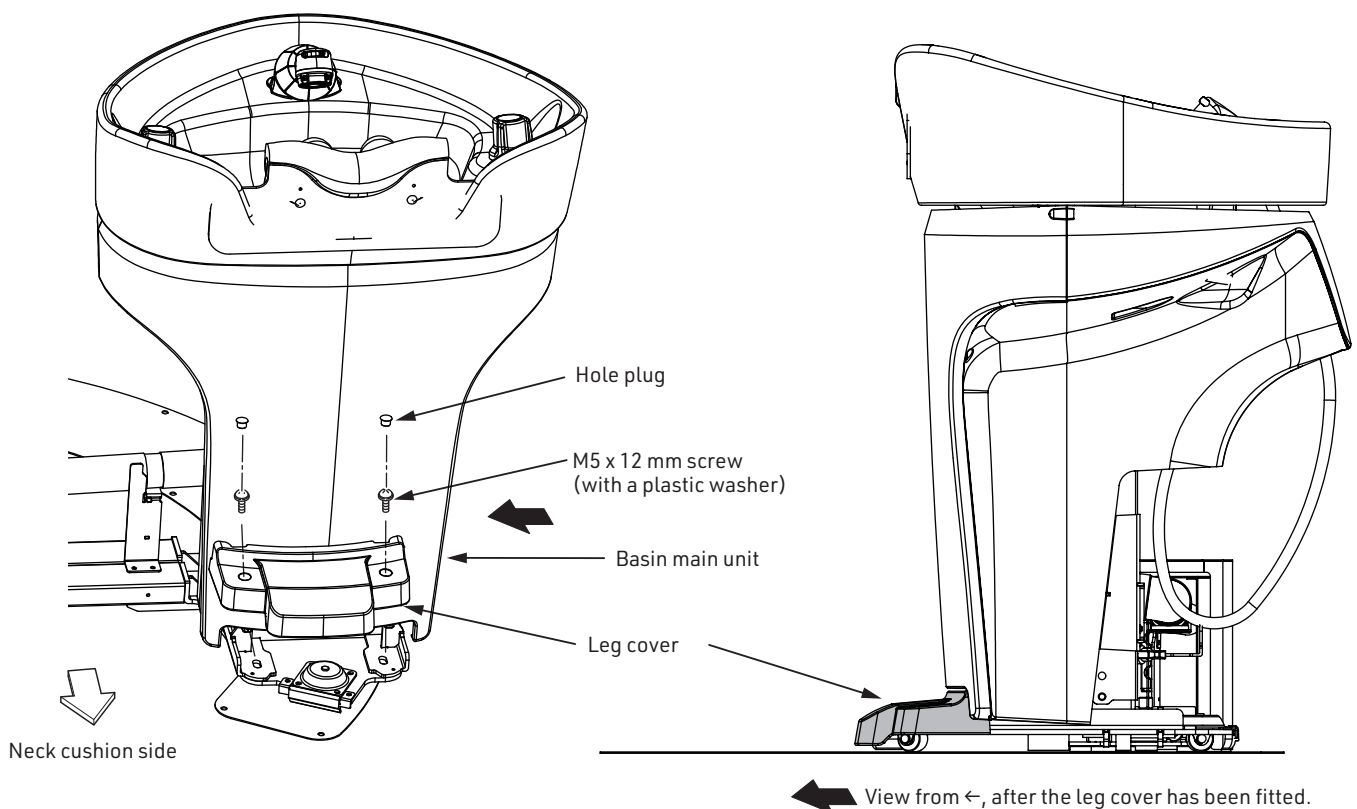
* For a pressure reducing valve, contact your local authorised Takara Belmont dealer.

◆ Fitting the leg cover

* The illustrations shown in this section are those for the regular slide basin specifications.

Fit the leg cover to the basin main unit.

- ① Remove the hole plugs attached to the leg cover in the accessories and fit the cover with the two screws (M5 x 12 mm, with plastic washers) in the Screw set for installation.
- ② Fit the two removed hole plugs to the leg cover.



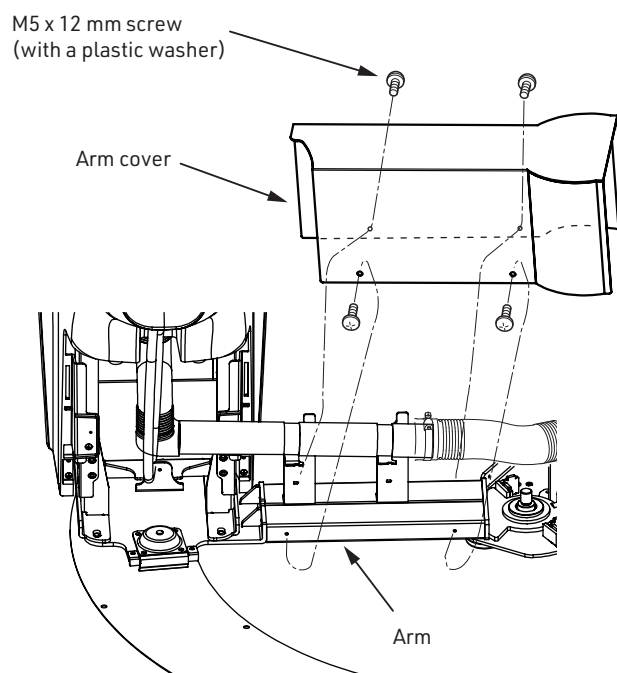
◆ Fitting the arm cover

* The illustrations shown in this section are those for the regular slide basin specifications.

* Fit the arm cover to the arm using the four screws (M5 x 12 mm, with plastic washers) removed on page 22.

⚠ CAUTION

- When fitting the cover, be careful not to hit or pinch it against other parts. Doing so may cause scratches or malfunctions.
- The plastic washers are shipped with the screws attached. Check that they have not fallen off and ensure that they are fitted. If they are not fitted, the screws may become unscrewed due to water ingress.



◆ Fitting the maintenance cover

* The illustrations shown in this section are those for the regular slide basin specifications.

① Remove the decorative screw (M5 x 9 mm) temporarily fitted to the maintenance cover fitting plate.

② Push the maintenance cover in the direction of ①
(Push it into the cover on the back of the basin main unit.)



(Lift it gently upwards and fit into the cover on the back of the basin main unit.)

Set it as shown on the right.

* Set the maintenance cover so that its surface is mated with the surface of the cover on the back of the basin main unit.

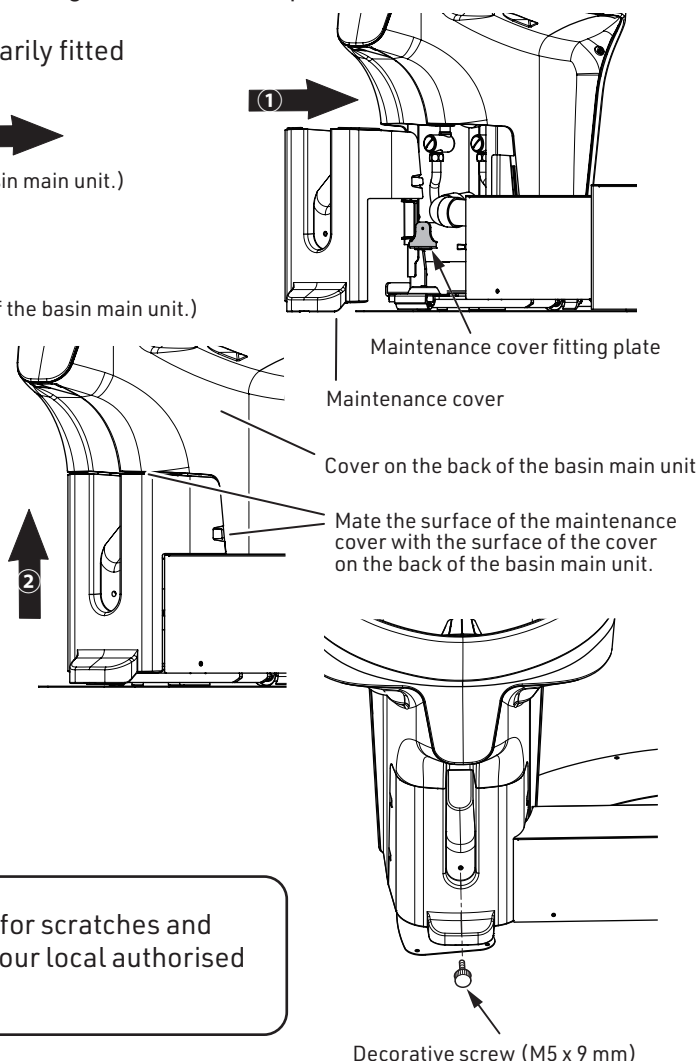
③ Fix the maintenance cover with the decorative screw (M5 x 9 mm) removed in step ①.

⚠ CAUTION

- When fitting the cover, be careful not to hit or pinch it against other parts. Doing so may cause scratches or malfunctions.
- Tighten the decorative screw by hand without using a tool. Using a tool to tighten the screw may damage the plastic part.

NOTICE

Before fitting the cover, check the cover for scratches and dirt. If there are any problems, contact your local authorised Takara Belmont dealer.



◆ Fitting the piping cover

* The illustrations shown in this section are those for the regular slide basin specifications.

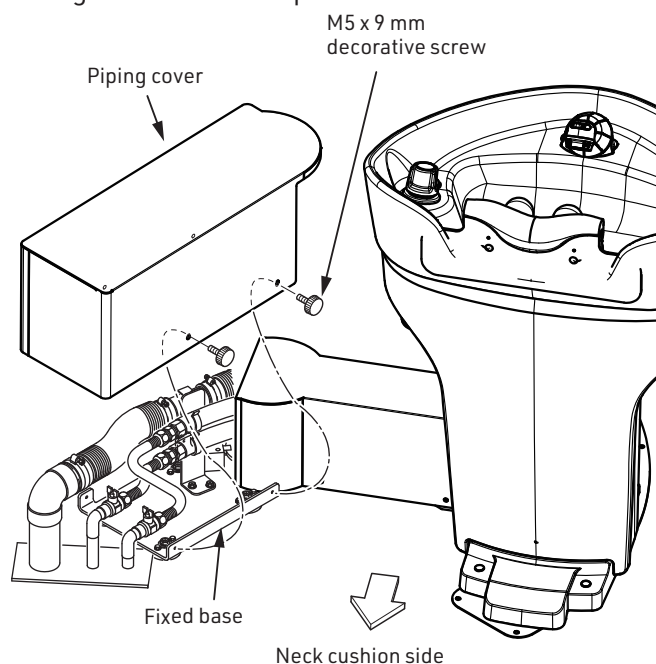
- ① Affix the cushion tape to the piping cover.
(Only for the piping cover with a cabinet [Refer to the instructions supplied with the piping cover for how to affix the tape.])
- ② Remove the two decorative screws (M5 x 9 mm) temporarily fitted to the fixed base.
- ③ Fit the piping cover with the two decorative screws (M5 x 9 mm) removed in step ②.

⚠ CAUTION

- When fitting the cover, be careful not to hit or pinch it against other parts. Doing so may cause scratches or malfunctions.
- Tighten the decorative screw by hand without using a tool. Using a tool to tighten the screw may damage the plastic part.

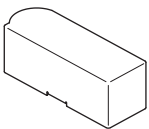
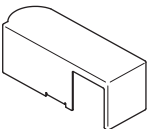
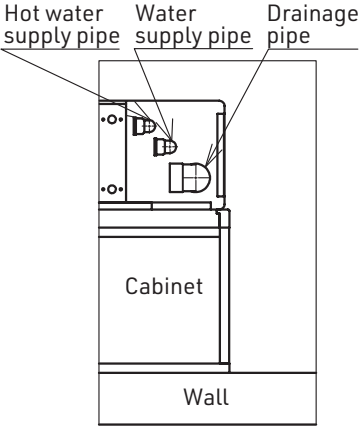
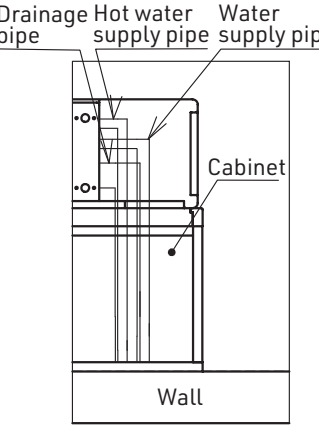
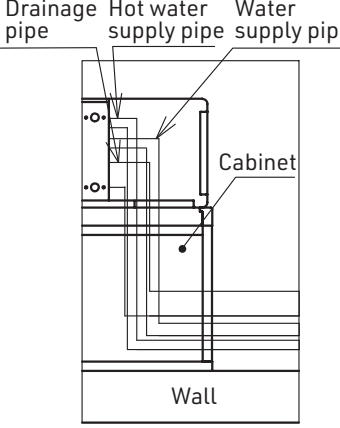
NOTICE

Before fitting the cover, check the cover for scratches and dirt. If there are any problems, contact your local authorised Takara Belmont dealer.



Piping covers for different pipe specifications

Fit the piping cover according to the respective pipe specifications shown in the figure below.

<For under-floor piping>	<For wall piping>	
		Above-floor pipework from the wall side through the cabinet
In the case of under-floor piping 	In the case of wall piping 	

After Installation Is Complete

Remove the air pad attached to the basin and the film tape on the main unit cover.

CAUTION

To prevent accidents during use, the following items must be inspected.

Inspection item

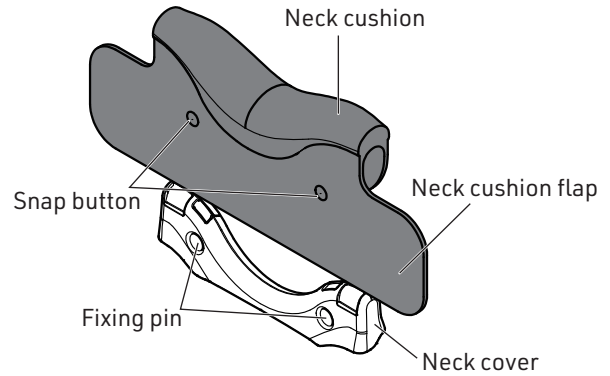
- ① **Have you fitted all the screws?**
- ② **Is any part wobbly?**
If any part is wobbly, check the bolts at the fitting point again.
- ③ **Are there any cracks or stains on the basin?**
- ④ **Are there any scratches or other abnormalities on the external parts?**
- ⑤ **Are there any water leaks on the floor?**
- ⑥ **When the basin is moved, does it interfere with the covers?**
Is there any noise?

Fitting the Neck Cushion

Rear basin

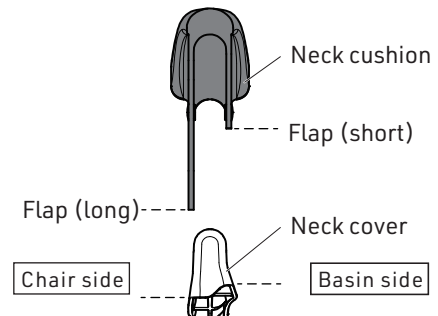
- 1 Set the neck cushion orientation as shown in the figure and fit the neck cushion into the fitting bracket.**

Be careful not to fit it in the wrong orientation.

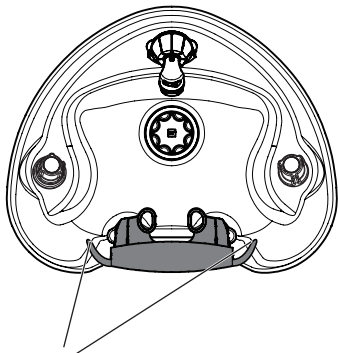


- 2 While shaping the neck cushion, fix the neck cushion's snap buttons and the neck cover's fixing pins. (Two locations each in the front and the back, four locations in total)**

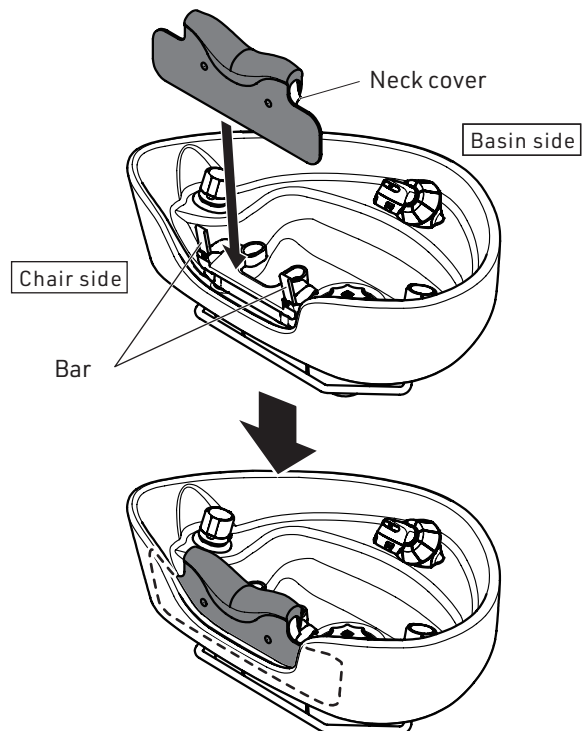
The fixing pins are removable.
Be careful not to lose them.



- 3 Insert the neck cover into the two bars.**



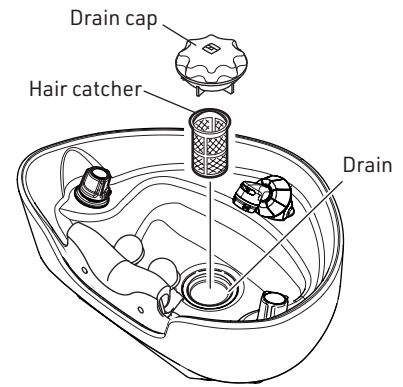
Place the neck cushion flap inside the basin.



Make sure that the whole neck cushion (dashed line part) is inside the basin.

Fitting the Hair Catcher and the Drain Cap

Place the hair catcher in the drain as shown in the figure and put the drain cap on top.





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