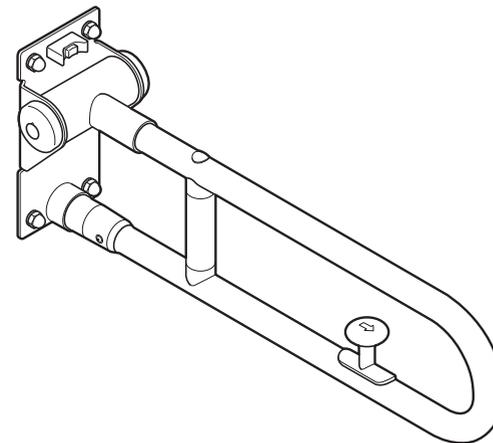


Handrail for Public Use

Part No.	T112 Type/T113 Type/ T114 Type
----------	---



The figure shows T112HK type.

- ◆ Thank you very much for purchasing this handrail for public use. Please read this instruction manual carefully and use the handrail correctly.
- ◆ Make sure that the name of the installation service shop, the date of installation, etc. have been written in the warranty.
- ◆ Keep this instruction manual carefully and read it when necessary.

Introduction

Safety Precautions.....	1 to 3
Precautions for Use.....	4
Names of Parts.....	5 to 6
Antibacterial Function.....	7
Product Specifications.....	7

Introduction

How to Use

How to Use.....	8
-----------------	---

How to Use

Cleaning

Daily Cleaning.....	9
Periodic Inspection.....	10

Cleaning

When you have a problem with the product

Troubleshooting.....	11
----------------------	----

When you have a problem with the product

Safety Precautions (Be sure to observe the following instruction)

Please read these "Safety Precautions" carefully before use, and use the product correctly.

- After reading, keep this instruction manual in a place where users can read it anytime.
- This instruction manual shows various symbols to correctly and safely use the product in order to prevent harm to you and other people, and damage to property.
The meanings of those symbols are as follows:

Symbol	Meaning
 WARNING	When this appears next a topic, this indicates that ignoring this symbol and mishandling the product could result in death or serious injury.

■ The following symbols are used to classify and explain instruction that must be followed.

	The  symbol indicates something that is "Prohibited." The symbol on the left indicates "Do not disassemble."
	The  symbol indicates something that "Must be implemented." The symbol on the left indicates "Required."

Part of the shape may be different between the figure and the actual part depending on the part number.

 WARNING	
 Prohibit	Do not use the product for purposes other than a handrail (including hanging from it, climbing on it, shaking, kicking, putting laundry or a blanket over it). Doing so could cause the handrail to come off the wall and may result in fall or injury.
	When operating the movable handrail, do not place your hand on the movable area and the grip bar connecting area. If you do so, you could get caught in the movable area or the grip bar connecting area and may result in injury.
	When the movable (flip-up type) handrail is in the flipped-up position, do not use it as a handrail. Doing so cause the grip to move and may result in fall and injury.

 WARNING	
 Prohibit	Do not hold or apply force to any part (such as the paper holder) other than the grip part. Doing so could cause the paper holder to come off and may result in injury.
	Do not apply excessive force, such as a strong push or pull, to the operation lever of the flip-up type (lock type) handrail. Doing so could cause the operation lever to be damaged or broken and may result in injury.
	Do not splash water over the movable handrail. Do not subject the movable handrail to extreme moisture. Doing so could cause the functions of the movable handrail to be damaged and may result in injury.
 Do not disassemble	Don't hit the product with hard things. Doing so could cause the handrail to be damaged or come off and may result in injury.
	Never disassemble or modify (such as mounting a paper holder or a remote controller). Doing so could cause the handrail to be damaged or come off and may result in injury.
 Required	Use the handrail with due care when your hand is wet or soapy, or when the handrail is wet or soapy. Failure to do so could cause your hand to slip and may lead to a serious accident.

! WARNING

When a user needs assistance, a caregiver should be very careful to avoid any accident.

Failure to do so could cause the user to fail to firmly grasp the handrail or fail to grasp it, which may lead to a serious accident.

When using the movable handrail, be very careful to avoid placing any part of your body, such as the head, hand, and arm, between the handrail and the wall, or between the handrail and other fittings.

If your body gets caught, it may lead to a serious accident.

When operating the movable handrail, make sure that there is nothing in its moving range.

Failure to observe this warning could cause you to hit your body against the handrail or fall, and may result in injury.



Required

Check for any abnormalities, including damage and backlash, periodically (at least once per month). If any abnormality is found, stop using the product and request for repair immediately.

Failure to do so could cause the handrail to be damaged or come off and may result in injury.

Operate the movable handrail slowly.

Failure to observe this warning could cause you to hit your body against the handrail or fall, and may result in injury.

Attach a use method label to a location that is easy for a user to see.

Failure to do so could cause improper use and may result in injury.

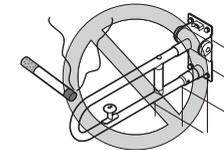
Make sure that the flip-up type (lock type) handrail can be securely locked in the horizontal position before use.

If it is not locked securely, it could cause fall and may result in injury.

Precautions for use (Please observe the following instruction.)

Do not bring lit cigarettes or other burning materials near the handrail.

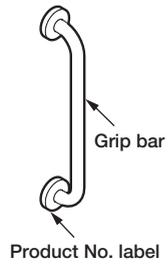
Doing so could cause the handrail (resin parts and coated parts) to burn or melt.



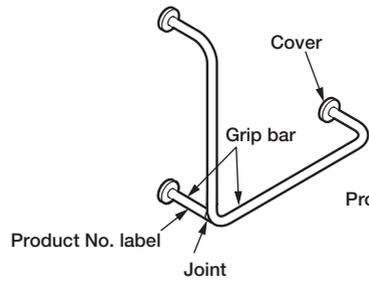
Names of Parts

● Fixed-type handrail

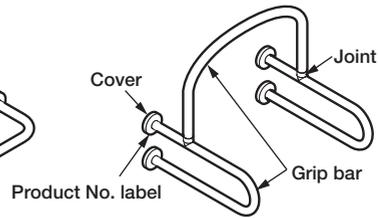
I type



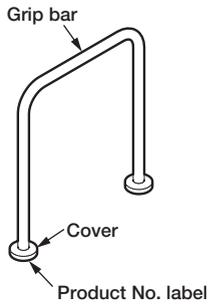
L type for both R/L use



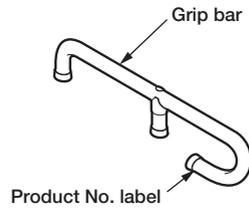
Urinal type



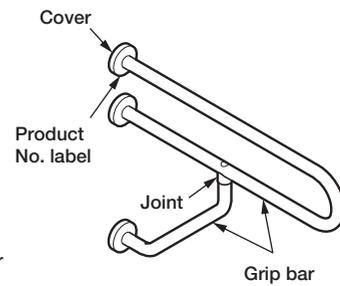
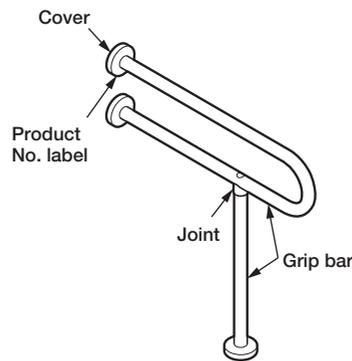
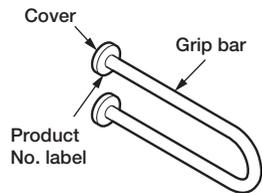
Japanese-style toilet type



Artificial marble counter type

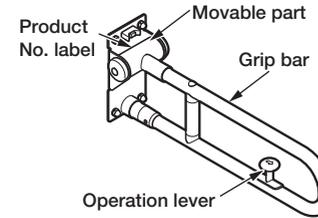


P type

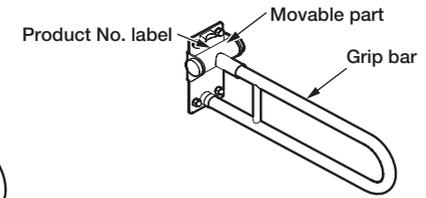


● Movable handrail

Flip-up type (lock type)



Flip-up type



*See "How to Use" (P.8) for how to use the movable handrails.

*Part of the shape may be different between the figure and the actual part depending on the part number.

About Antibacterial Function

● T112 type and T114 type

Antibacterial efficacy	It suppresses bacterial growth on the product surface. This product was tested at JNLA-registered laboratory in accordance with the test for antibacterial activity specified by JIS Z 2801, and the result has satisfied the antibacterial efficacy specified by JIS Z 2801. This does not target the secondary effects such as infection prevention, antifouling, mold prevention, deodorization, and slime prevention.
Antibacterial-treated part	Grip part (In the case of T114 type, resin-coated area alone)
Type of antibacterial agent	Inorganic system
Sustainability of antibacterial performance	Verified in accordance with the standards of Japan Construction Material & Housing Equipment Industries Federation
Safety	Verified in accordance with the standards of Japan Construction Material & Housing Equipment Industries Federation
Prohibition	Do not use acid or alkaline cleaners.
Handling precaution	Please keep the surface of the product clean to exert the antibacterial activity.

*The antibacterial activity is not exerted unless bacteria directly come into contact with the antibacterial-treated surface of the product.

Product Specifications

Item	T112 type	T113 type	T114 type
Maximum user weight	Up to 100 kg*		
Material	Grip part: Stainless steel + Soft resin Wall cover: Resin Floor cover: Stainless steel (paint finish)	Stainless steel (hairline finish)	Grip part: Stainless steel + Soft resin Cover/Elbow: Stainless steel (mirror finish)

*The artificial marble counter type can bear up to a user weight of 100 kg per set (2 handrails).

How to Use

*When you use a movable handrail with paper holder, the paper holder may easily come into contact with your legs depending on its location with respect to the sanitary ware.

*In the case of a movable handrail with paper holder, the operating force of the handrail may slightly vary depending on the presence or absence of toilet paper.

⚠ WARNING

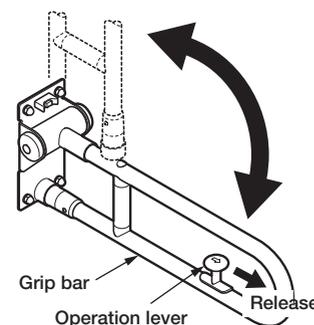


Prohibit

Do not apply excessive force, such as a strong push or pull, to the operation lever of the flip-up type (lock type) handrail.

Doing so could cause the operation lever to be damaged or broken and may result in injury.

● Flip-up type (lock type)



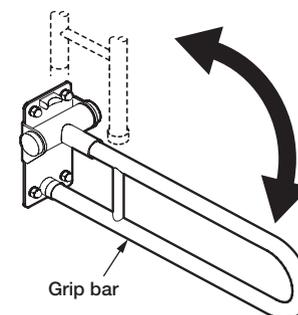
1 Lift the grip bar.

When you pull the operation lever toward you, the lock is released. Lift the grip bar slowly while keeping pulling the operation lever.

2 Lower the grip bar.

You can fix the grip bar by lowering it securely to the horizontal position. The grip bar can be fixed only in the horizontal position.

● Flip-up type



1 Lift the grip bar.

Hold the grip bar and lift it slowly.

2 Lower the grip bar.

Lower the grip bar securely until it comes to the horizontal position. The grip bar cannot be fixed.

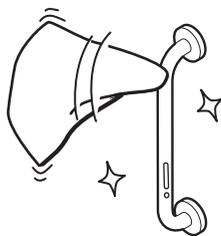
Daily Cleaning

Please clean this product on a regular basis in order to exert its functions sufficiently and to be able to use cleanly and hygienically.

Cleaning with cloth

● Normal cleaning

After wetting a cloth with water or lukewarm water, wring it out thoroughly and then use it to wipe the product.

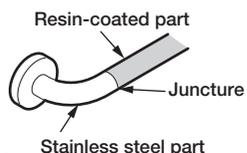


● Cleaning when the product is very dirty

Wipe with a cloth dampened with appropriately-diluted neutral detergent. Then wring a cloth dampened with water and wipe with it. After that, wipe off moisture clean with a dry cloth.

● T114 type

T114 type may have dust accumulated at the juncture between the resin-coated part and stainless steel part. In this case, soak the cotton thread with neutral detergent and rub all the way down to the bottom of the juncture with the thread to remove the dust.



Request

Never use anything that can damage the surface of the product.

● Acid cleaner, chlorine bleach, alkaline cleaner, acid disinfectant, and alkaline disinfectant

These cleaners could cause the surface of the handrail to be discolored (including rusting) or damaged.

● Cleaners containing rough particles such as cleanser and polishing powder

● Nylon scrubbing brush, other scrubbing brushes, brushes, etc.

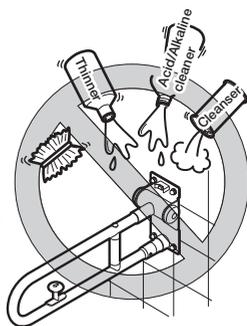
These brushes could damage the surface of the handrail.

● Medicines such as ointment, hair growing agent, hair dye, cleansing agent, hair dressing agent, etc.

● Organic solvents such as thinner, benzene, and oils

These solvent could cause the surface of the handrail to be discolored or rubber and resin parts to be damaged.

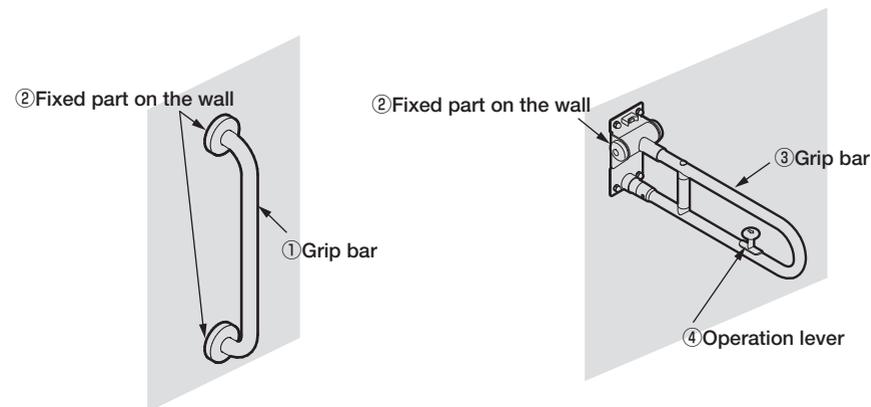
• If acid or alkaline detergent, chlorine bleach, acid or alkaline disinfectant, or organic solvent is attached to the handrail, immediately wring a cloth dampened with water, wipe with it, and then wipe off moisture clean with a dry cloth.



Periodic Inspection (Implement at least once/month)

Deterioration (ageing degradation) caused by long-term use of the product may cause safety problems. In order to prevent serious accidents due to aging deterioration and ensure that the product can be used for a longer period of time safely and comfortably, customers are requested to perform the following inspections at least once a month.

If you find any problem, stop using the product and contact the installation service shop or the sales shop where you purchased the product.



No.	Inspection area, etc. (See the figures.)	Deterioration check item	Sign			Specific phenomena expected due to aging deterioration (Harm information, etc.)
①	Grip bar	It has deformation or cracks.	Yes	No	—	The handrail gets damaged and a user falls, resulting in injury.
		If you shake the handrail, it rattles.	Yes	No	—	
②	Fixed part on the wall	There are loose or missing screws. (Applicable only to movable handrails)	Yes	No	—	The handrail comes off the wall and a user falls, resulting in injury. A user hits the body against the handrail and falls, resulting in injury.
		If you shake the handrail, it rattles.	Yes	No	—	
		There are cracks.	Yes	No	—	
-	Wall	If you shake the handrail, the wall shakes together.	Yes	No	—	The handrail comes off the wall and a user falls, resulting in injury.
		There are cracks in the wall near the fixed part.	Yes	No	—	
		There is power that has come out of the wall around the fixed part.	Yes	No	—	
③	Grip bar	If you let go of the grip bar while the handrail is moving, the handrail falls with a bang.	Yes	No	—	A user hits the body against the handrail and falls, resulting in injury.
		The grip bar flips up suddenly.	Yes	No	—	
		The grip bar cannot lock when the handrail is in the horizontal position. (Applicable only to the flip-up type (lock type))	Yes	No	—	
④	Operation lever	The operation lever won't move.	Yes	No	—	A user hits the body against the handrail and falls, resulting in injury.

Troubleshooting

⚠ WARNING



Do not
disassemble

Never disassemble or modify (such as mounting a paper holder or a remote controller).

Doing so could cause the handrail to be damaged or come off and may result in injury.

- **The following cases are not a failure.** Please check the following matters before requesting a repair. If the problem still cannot be remedied, **please request a repair to the installation service shop or sales shop from which you purchased the product.**

Before requesting repair			
Phenomena	What you need to check	Action to take	Reference page
The grip bar of the flip-up type suddenly falls with a bang.	Have you mounted any product (such as a remote controller) other than the supplied paper holder?	Remove the product other than the supplied paper holder.	-
The grip bar of the flip-up type suddenly flips up.	Have you removed the accessory parts (such as a paper holder)?	Mount the accessory parts.	-
The grip bar of the flip-up type (lock type) won't move.	Is the operation lever in the release position?	Put the control lever to the release position.	Page 8

★To customer

Please contact the sales shop for replacement parts and warranty.