



GENERAL CATALOG OF DISTRIBUTION EQUIPMENT

Product Catalogue Ver 3.0



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Movable rack

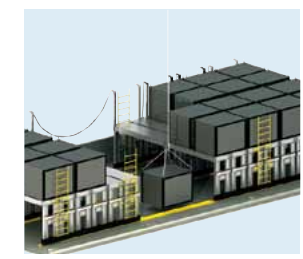
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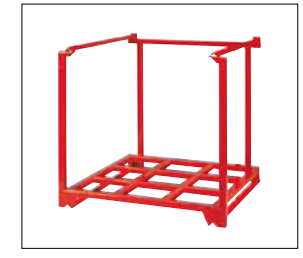
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Movable rack

Cage cart

Storage equipment

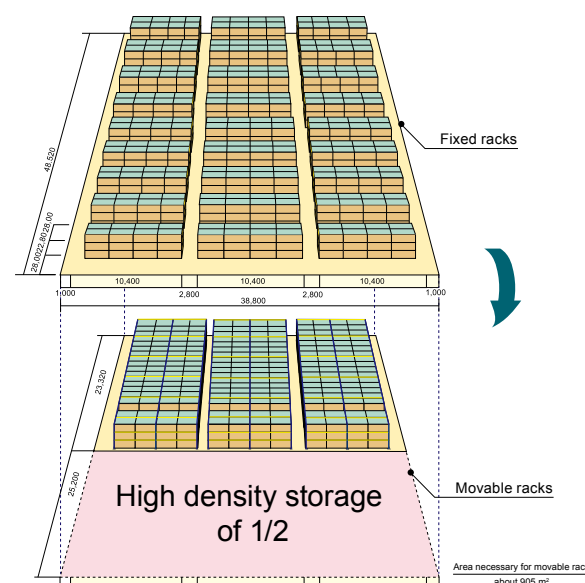
Heavy movable racks that greatly enhance space utilization



- Each rack moves independently, and only one working aisle is required. Therefore, storage efficiency of about two times higher can be obtained compared with the fixed racks.
- The racks have a simple structure and high cost performance with little trouble.

Seven features of Aisle Saver

- ① **High storage efficiency thanks to one working aisle**
By adopting movable racks, the storage capacity will be doubled and the space can be effectively utilized.
- ② **Low cost system (high performance)**
- ③ **Maximum work plane system (from anywhere)**
- ④ **Simple structure with little trouble**
- ⑤ **Great earthquake resistance**
Very few damage was found with the stored items when the Great Hanshin Earthquake occurred.
Racks without an aisle are in close contact, which prevents products from falling.
(Products tend to fall from fixed racks and automatic warehouses.)
- ⑥ **Easy operation by one button**
(work can be started from the day when the installation is completed)
Anyone can secure a necessary aisle by simple button operation.
- ⑦ **Short installation period in the case of method without rails**
The installation period will be short and it will be easy to move the racks in the method without rails, which does not require the traveling rails of movable racks.
It requires no processing of floors and can be used for field warehouses.



Specifications

- Greatly enhanced space efficiency, storage efficiency, and work efficiency!

An optimum type for storing a small amount of various items.
Items with an irregular shape can also be stored without being damaged by using the racks, and the operation is also easy with one button.
The work plane is maximized and requires no cargo handling work. Any item can be taken in and out of the rack immediately, which increases the work efficiency.



- Cold storage type
(Cold storage type that supports up to -30°C)

A special racks for freezer and cooler warehouses. The time working in low-temperature warehouses can be reduced greatly.
The moderate space allows cool air to circulate among stored items, and it is possible to maintain the quality under an ideal storage condition.
It is expensive to construct freezer and cooler warehouses. The cold storage type increases the work efficiency, and the movable racks with high space efficiency are optimum.



- Explosion-proof type

Control panels are collectively set at a less dangerous place (a place without explosive gas). Check the grade and the amount of storage with a fire station of the jurisdiction.



Method with rails

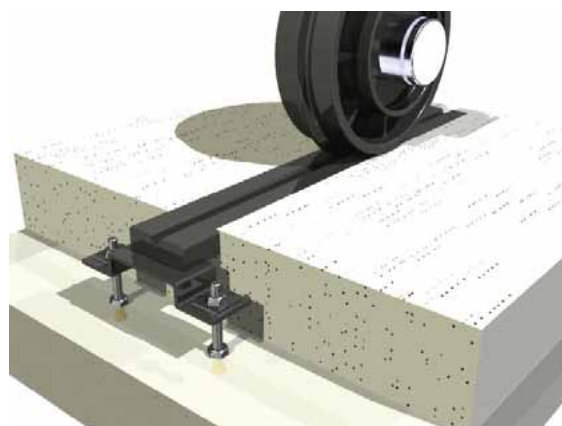
[Method with rails] The rail type can be selected in accordance with the floor.

- Various types are available depending on the carrying capacity.
- Carrying capacity

2-wheel cart = 12 tons/frontage
4-wheel cart = 24 tons/frontage 4-wheel cart = 32 tons/frontage



Various items can be stored.



■ Comfortable work environment

The floor and the rails are on the same surface completely, and this does not impair forklift operations and workers walking. The flange part of the wheel and the rail are integral, which prevents oblique motion when the rack moves and realizes stable running.

■ Maximum carrying capacity of 32 tons!

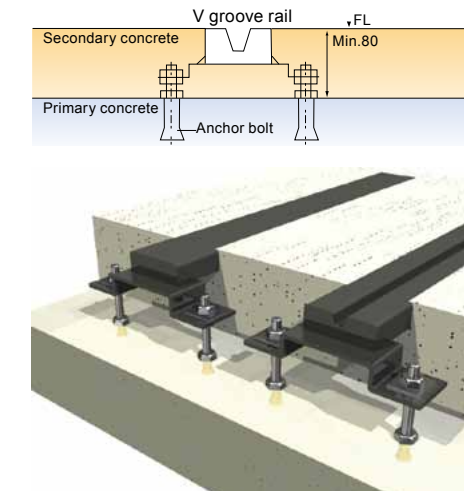
Special steel wheels are adopted to realize the maximum carrying capacity of 32 tons per frontage.

Rail installation method

The method differs depending on whether the building is new or not.

■ Rail installation method

< Method in which concrete is placed twice >

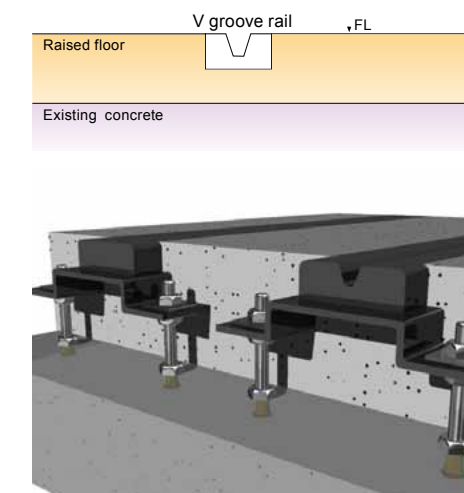


■ General construction method for new buildings

Rails are installed on the primary concrete. After level adjustment, the second concrete is poured until it reaches the same surface as the rail upper surface. The floor has no projections and does not impair forklifts running, making the work comfortable.

*The concrete backfilling work and floor finishing work after installing rails need to be requested separately.

< Method in which the floor is raised >

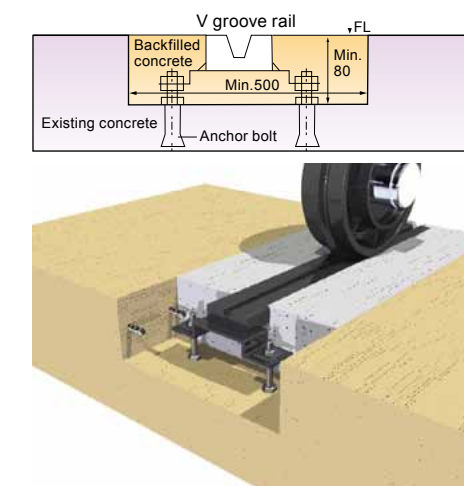


■ General construction method for existing buildings

Rails are installed on the existing concrete. After level adjustment, concrete for raising the floor is poured until it reaches the same surface as the rail upper surface. The level difference with the existing floor is solved by making slopes.

*The concrete backfilling work, floor finishing work, and slope creation after installing rails need to be requested separately.

< Pit method >



■ General construction method for existing buildings

Pits for putting rails are created in the existing concrete, and rails are installed in them. After level adjustment, concrete for backfilling is poured until it reaches the same surface as the rail upper surface. This method is used for existing buildings the most because it causes no level difference with the existing floor.

*Creating pits in the existing concrete floor, and the concrete backfilling work and floor finishing work after installing rails need to be requested separately.

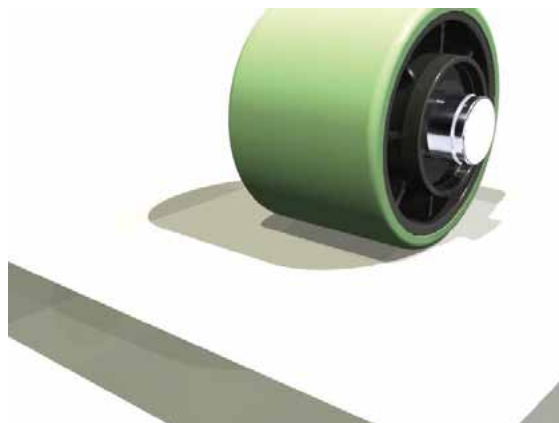
Method without rails

[Method without rails] No floor construction is necessary.

- The racks can be installed anywhere.
Since rail installation is unnecessary, the racks can be installed in the existing warehouses, field warehouses, multi-story buildings at low cost and high quality.



The racks can be installed easily anywhere.



■ High-performance urethane wheels

The high-performance urethane wheels relieve loads caused on the concrete and realize stable running when the racks move.

■ Short construction and delivery period

The racks can be used in about 10 days after installation because no concrete curing period is necessary.

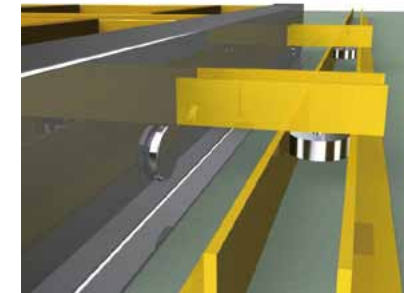
■ Carrying capacity

2-wheel cart = 8 tons/frontage
4-wheel cart = 16 tons/frontage

Guide method

■ Two guide methods

Guide rail method < Fixed guides suitable for one-side operation >



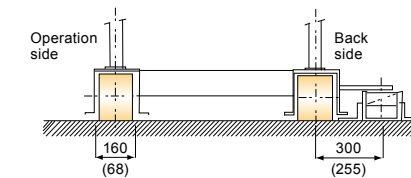
■ Structure suitable for one-side operation

It is suitable when the racks are installed close to the wall and people cannot pass through them. It supports the total length of up to 18 m.

*The maximum total length fluctuates depending on the total movable load, so please consult us.

■ Stable running with fixed guides

The guides are installed to the back side, which realizes stable running just like the rail type.



Magnetic tape rail method < Completely rail-less magnetic guides >

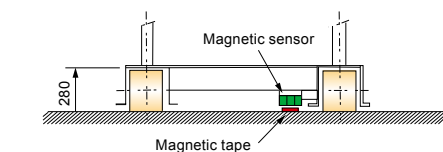


■ Structure suitable for both-side operation

The racks are installed in the middle of the site, and people can walk through them. The floor has no projections and does not impair forklifts running, making the work comfortable.

■ Easy installation with magnetic tape

The conventional type with buried magnetic rods is renewed. The racks can be adopted without processing the floor just by putting magnetic tape on the floor.



Delivery examples



Aisle Saver ASP

Pallet

< Method with rails & Method without rails >

Aisle Saver Pallet Rack

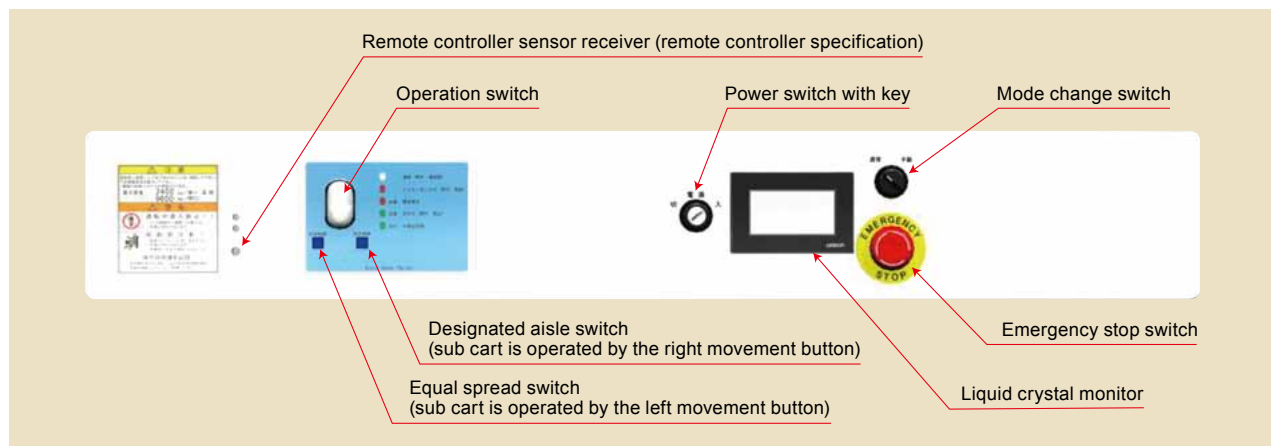
Basic specifications

■ Easy operation and safety secured with one button

When the rack is completely opened by push button operation, the aisle is automatically locked. The locked aisle can only be released with the push button dedicated for the aisle, which enables safe work in the aisle.



■ Operation panel



■ Cart methods

Depending on the items to be loaded, there are integral frame carts with two wheels and division frame carts with four wheels.

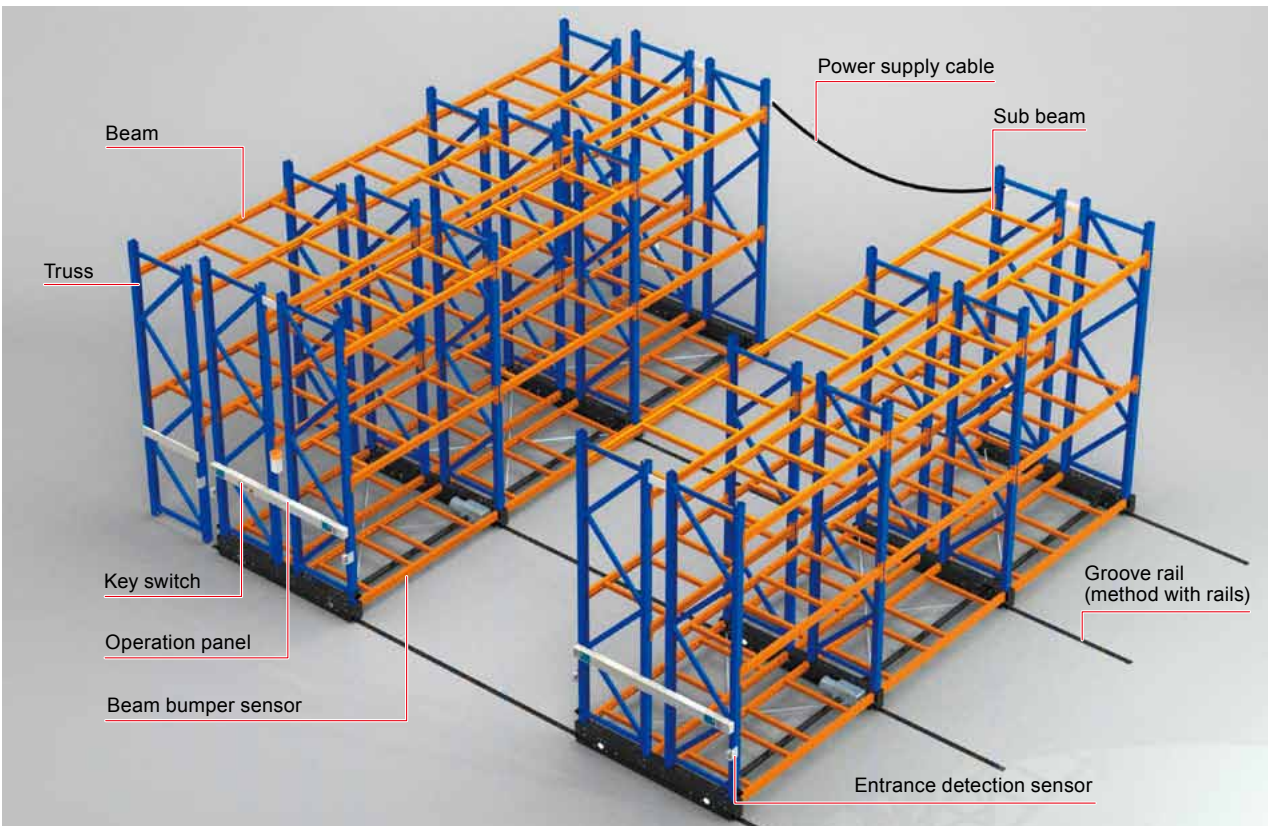


Two-wheel cart

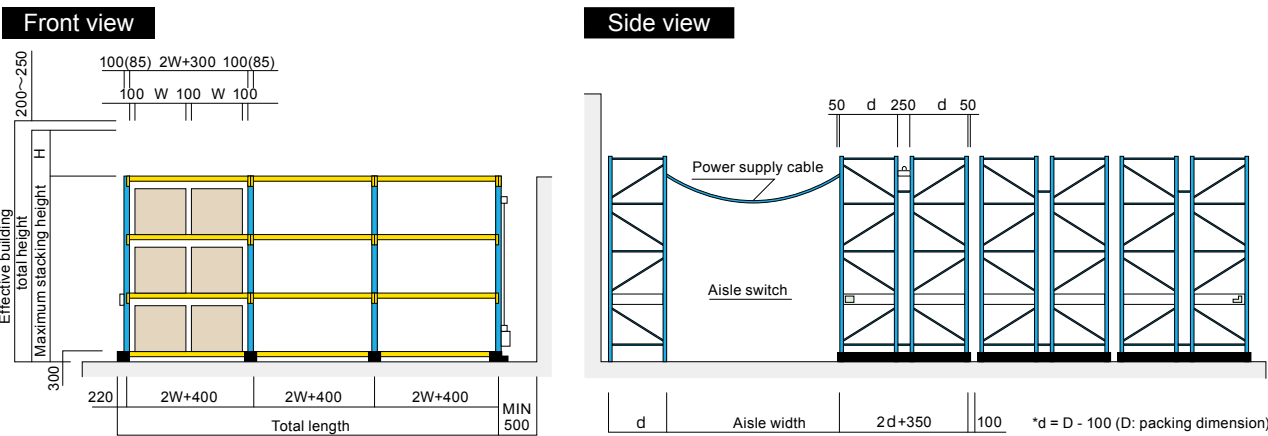


Four-wheel frame division

Main names



Standard dimensions



Shape	Load capacity	Speed	Motor (kW)	Power (V)	Control	Safety device
Method with rails	12 T (two-wheel type)	MAX 10m/min	MAX 1.5kW	Three-phase 220 V Three-phase 380 V	PLC control	<ul style="list-style-type: none">• Open aisle interlock• Entrance detection interlock• Running indication light• Overload thermal relay• Running time over• Electronic beam bumper• Running buzzer• Power activation interlock
	24 T (four-wheel type)					
	32 T (four-wheel type)					
Method without rails	8 T (two-wheel type)	MAX 10m/min	MAX 1.5kW	Three-phase 220 V Three-phase 380 V	PLC control	<ul style="list-style-type: none">• Open aisle interlock• Entrance detection interlock• Running indication light• Overload thermal relay• Running time over• Electronic beam bumper• Running buzzer• Power activation interlock
	16 T (four-wheel type)					

Safety device

■ Entrance detection interlock

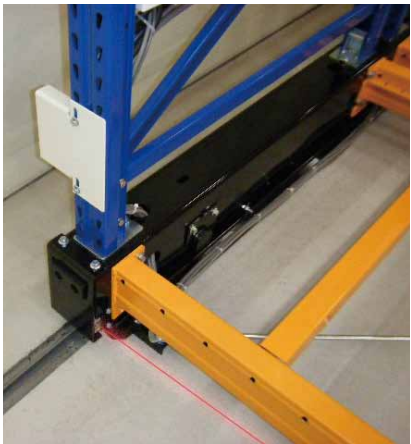
If a forklift or a worker enters the aisle where the lock is released or the movable racks are about to close, the entrance detector automatically stops the rack and locks the aisle.



*The infrared light is an image.

■ Electronic beam bumper sensor

If a person or an object was present in the aisle where the movable racks are about to close, the electronic beam bumper sensor installed in front of the lowest beam stops the rack when touched and prevents accidents being caught.



*The infrared light is an image.

■ Open aisle interlock

Opened aisles get locked automatically.

■ Power activation interlock

When the power switch is turned on, opened aisles get locked automatically.

■ Overload thermal relay

The movable rack stops if it is operated exceeding the allowable load.

■ Running time over

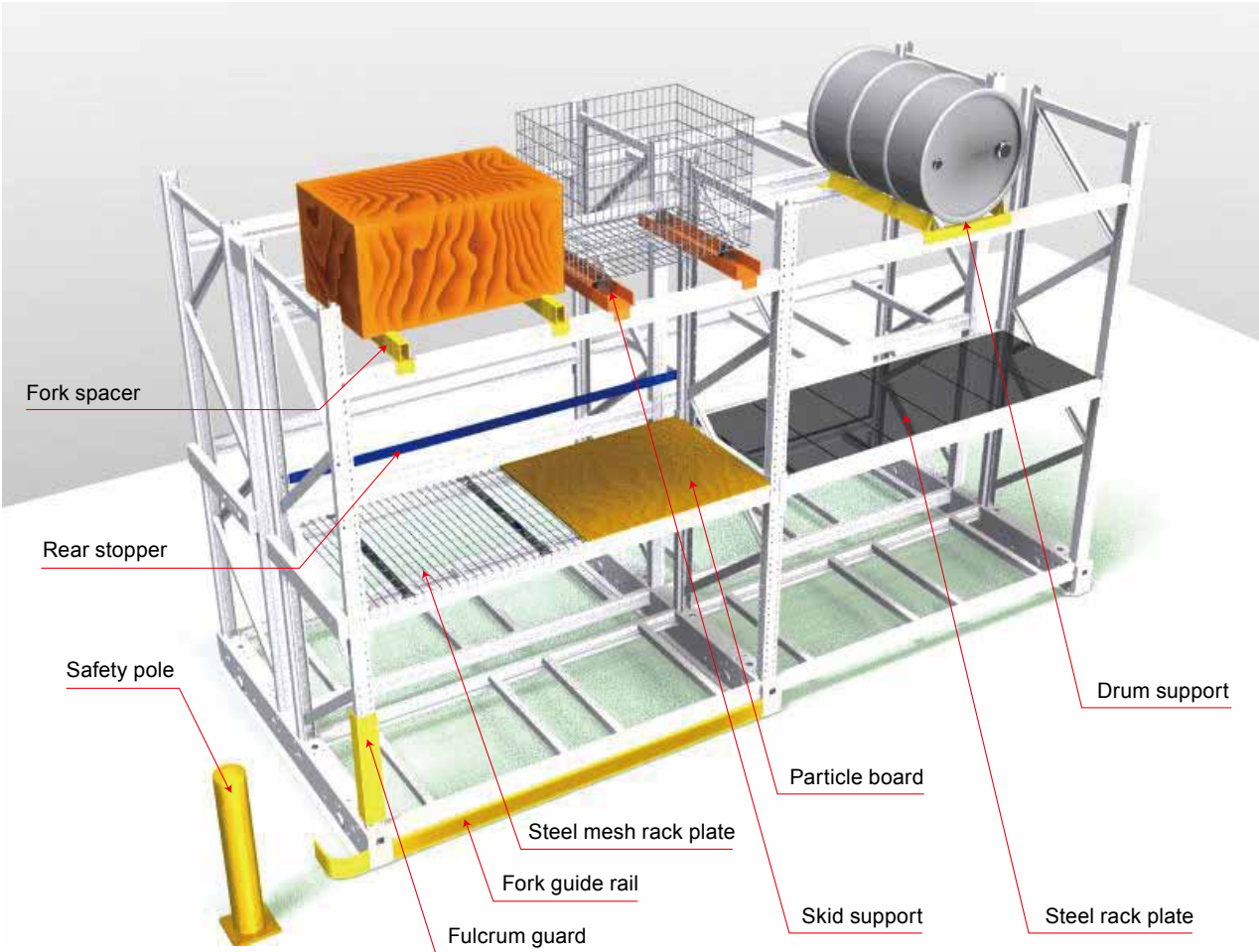
It prevents movable racks from running exceeding a predetermined distance without stopping.

■ Running indication light/running buzzer

They signal people around know that the racks are moving with sound and light.

Various optional parts

■ All the optional parts of pallet racks are compatible.



■ Makitech original commercial sheet



■ A special fireproof sheet with pictures and characters you like can be attached to the front surface of the Aisle Saver.

■ Besides the commercial effect, the sheet can be also used to display the ISO.

■ It also serves as a blinder and protects customer's privacy.

Aisle Saver ASC

Case < Method with rails & Method without rails >

Aisle Saver Case Rack

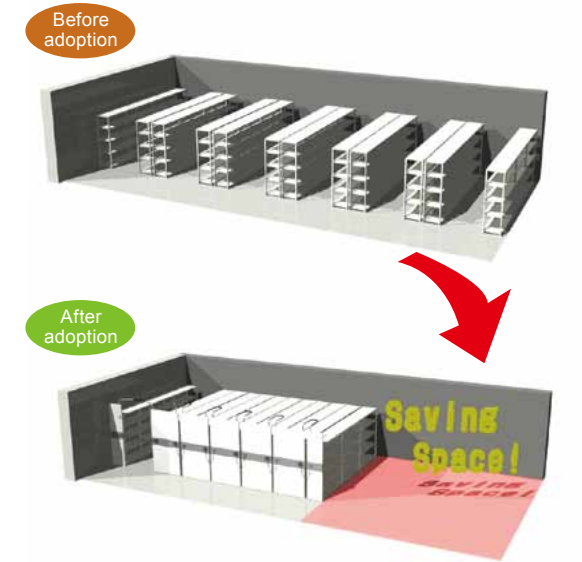
High density storage with greatly enhanced space efficiency!

- In addition to the easy electronic one-touch operation, the storage is rail-less and requires no floor construction.



The efficiency of the storage space is greatly enhanced!

Since the racks are movable, high density storage is realized. The saved space can be used for additional racks and other purposes.



The work is safe and smooth since there are no steps.
The floor has no steps because there are no traveling rails. People can work safely and smoothly when carrying in and out items using carts.

Easy operation with one switch! Safety measure with a card key!

Safety box

An aisle that you want to open can be operated with one button. Unlike the manual type, it is unnecessary to move numbers of racks to open the target aisle.

Safety cable

Unless the all the card keys are inserted to the safety box, the racks do not move even if the switch is pressed. The racks move only when the switch is being pressed and stops whenever the switch is released.

Manual handle for movement

During power failure, the rack carts can be moved manually using a dedicated handle.

Automatic aisle lamp

When the operation switch is pressed and the aisle starts to open, the lamp of the aisle automatically turns on. The lamp turns on only for the necessary aisle, contributing to energy saving.

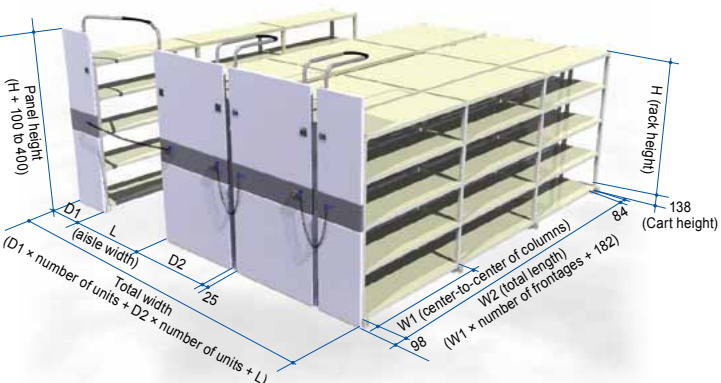
Upper material that prevent overturning

A rail pipe that is installed to the upper part of the movable rack prevents overturning when the rack moves or an earthquake occurs.

Back side guide rail method

A guide rail is installed close to the wall in the back where people rarely walk. It is unnecessary to raise the floor, and the racks can be used immediately after quick delivery.

Specifications

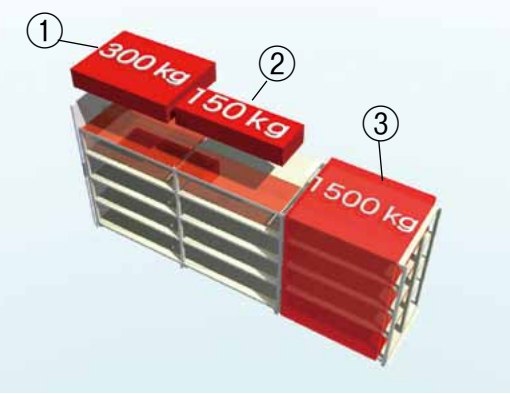


Rail method	Rail-less [Rack frontage: 5 at max.]	Rail method
Carrying capacity	MAX 300 kg/stage MAX 1500 kg/frontage	MAX 500 kg/stage MAX 2500 kg/frontage
W1 (frontage)	900,1200,1500,1800	
D1 (fixed)	330,480,630,780,930	
D2 (movable)	630,930,1230,1530,1830	
H	1800,2100,2400	
L	Supports 600 to 1600	

Plan of specifications

- ① When using the entire rack plate including the back part, the rack can load up to 300 kg/stage.
*However, it will be difficult to put in and take out items from the rack if the rack plate is too deep.
- ② When using half of the rack plate from both sides, one side can load up to 150 kg/stage.
*The back plate (optional) can be attached to prevent items from being pressed from both sides.
- ③ One rack can load up to 1,500 kg/rack.

Example: When a rack is going to be used in the case of ① (300 kg/stage),
 $1,500 \text{ kg/rack} \div 300 \text{ kg/stage} = 5 \text{ stages}$
Up to five stages of rack plates (including the top plate and the bottom plate) can be installed.



Aisle Saver ASL

Two-layer movable rack system for heavy items < Method with rails >

Aisle Saver Load

Innovative storage system with safe and shortened work time!

- It can store various items that are diversifying. It is possible to organize and manage heavy things such as molds safely without stacking them directly.



The crane work of heavy things can be improved!

Safety crane work

Reduced setup time thanks to shortened cargo handling work

Safe storage of important and expensive molds

Problem

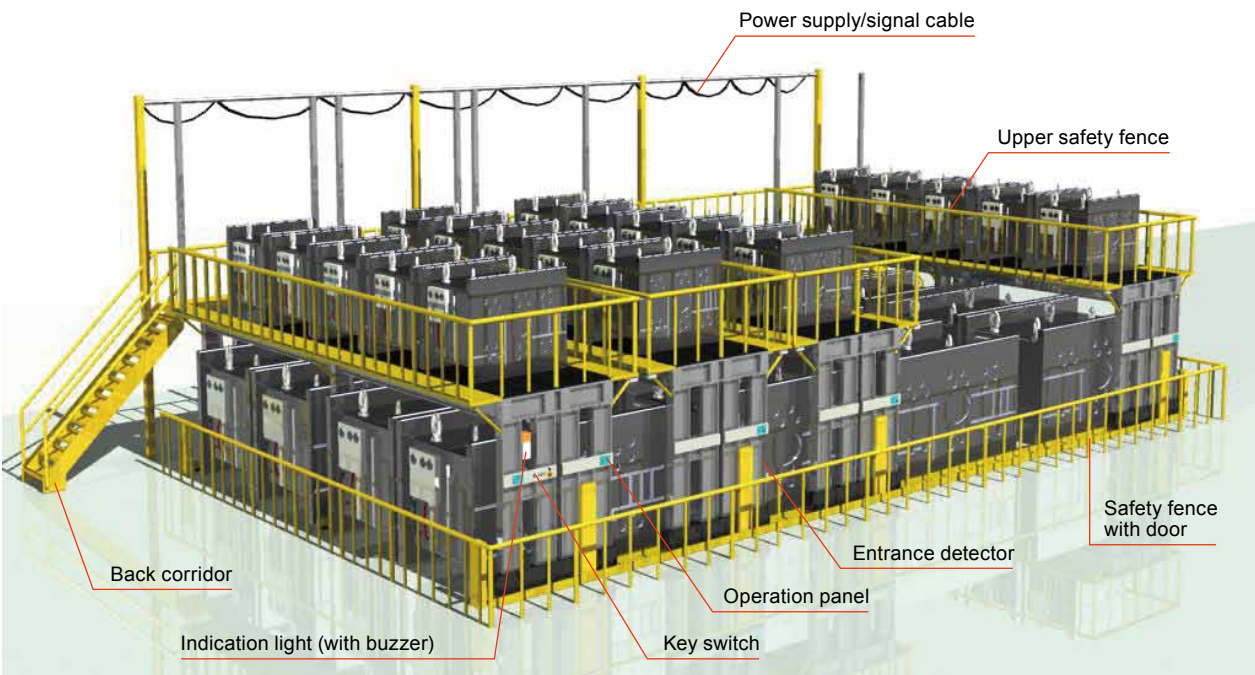
The storage place was limited, so items were being stored in two stages. When an item stored at the bottom was necessary, the top item was moved to a different place by crane and put back again, which was dangerous and took a long time.

Improvement

- The safety of the crane work is enhanced because of the two-layer structure that stores items on each stage.
- The time for cargo handling work was greatly shortened by the two-layer storage.

- Improved safety!**
- Enhanced work efficiency!**
- Enhanced storage efficiency!**
- Improved appearance!**

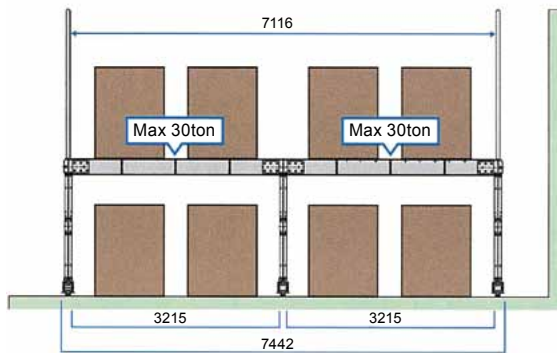
Main names



Standard dimensions (see the delivery example for reference)

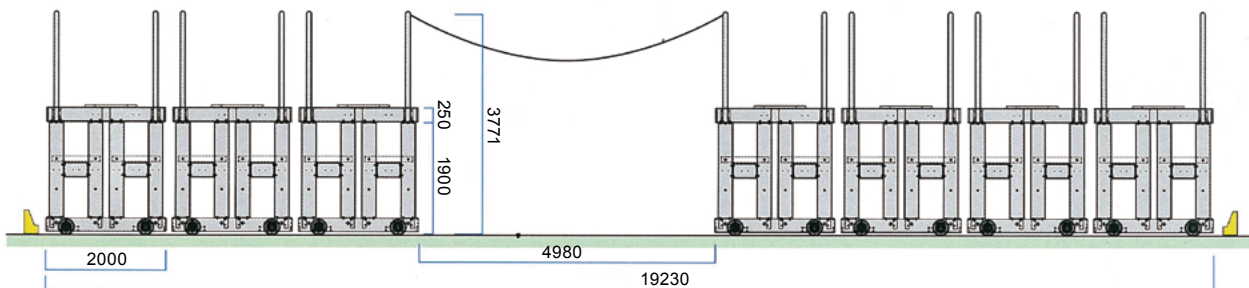
The upper deck has a maximum carrying capacity of 60 tons (per unit)!

Front view



Specifications	
Cart type	Method with rails, 30-ton class (four-wheel type)
Temperature specification	Room temperature (-10°C to 40°C)
Moving speed	Max.10m/min
Motor	0.4 kW, 0.75 kW (inverter control)
Control method	PLC, controller network method
Power	Three-phase 200/220 VAC (50/60 HZ) or 380/400 VAC (50/60 HZ)
Safety device	<ul style="list-style-type: none">Open aisle interlockRunning time overPower activation interlockOverload thermal relayRunning buzzerRunning indication lightEntrance detection interlock

Side view



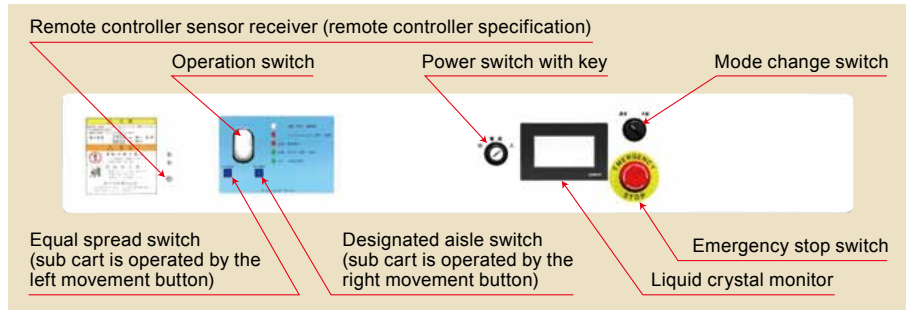
Aisle Saver ASL

Two-layer movable rack system for heavy items < Method with rails >

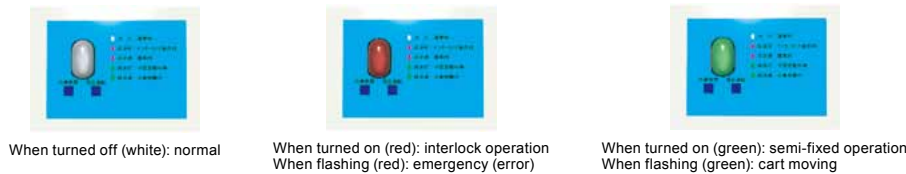
Aisle Saver Load

Easy operation with one switch!

Functions of operation panel



Colors of operation switch



- ① Operation button
Used to open an aisle.
- ② Equal spread button (main cart)
Opens all the aisles.
Forced left movement button (sub cart)
Moves a cart to left during manual mode.
- ③ Designated aisle button (main cart)
Opens an aisle designated beforehand.
Forced right movement button (sub cart)
Moves a cart to right during manual mode.
- ④ Key switch
Turns on and off the power.
- ⑤ Mode change switch
Switches the normal mode and the manual mode.
- ⑥ Message runner
Messages are displayed.
- ⑦ Emergency stop switch
Force stops the rack in case of emergency.

Safety device

- Open aisle interlock
(Opened aisles get locked automatically.)
- Power activation interlock
(Aisles that are open when the power is turned on get automatically locked.)
- Running buzzer
(The buzzer goes off while the cart is moving.)
- Running indication light
- Running time over
(It prevents carts from running exceeding the set time.)
- Overload thermal relay
(It prevents movement exceeding the predetermined weight.)
- Entrance detection interlock
(If a person enters an unlocked aisle, the aisle gets locked automatically.)

Entrance detector



Running indication light & running buzzer



Optional parts

Back corridor



■ Back corridor

It is installed on the back side of the system and facilitates accessing the upper stage or changing to a different cart in the upper stage. Movement to a different cart can be done safely and quickly, which enhances efficiency.

Upper stage overhang corridor



■ Upper stage overhang corridor

The cargo handling work becomes safer by providing an overhang corridor on the upper part of the cart.

Stairs for back corridor



■ Stairs for back corridor

Stairs are provided for going up to the upper part of the back corridor. It is safer and faster compared with ladders.

Ladder for changing to upper stage



■ Ladder for changing to upper stage

A ladder to the upper stage is provided. It can be used when there is no space for installing the back corridor.

Movable rack

Cage cart

Storage equipment

Movable rack

Cage cart

Storage equipment

Aisle Saver ASL

Two-layer movable rack system for heavy items < Method with rails >

It can store various items that are diversifying!

It can store various items efficiently including roll-shaped special items by installing a dedicated pallet. Items that tend to collapse can also be stored without being stacked directly.



It can link with various systems!

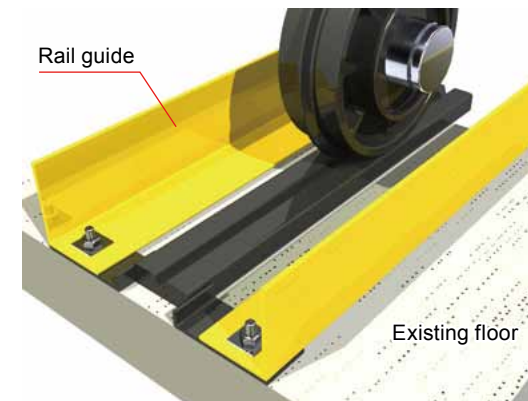
It links with various systems depending on the application.



Rail installation method

The method differs depending on the condition.

Direct placement on existing floor



The cost is reduced by easy construction!

Rails are directly installed on the existing floor and do not require basic construction generally.

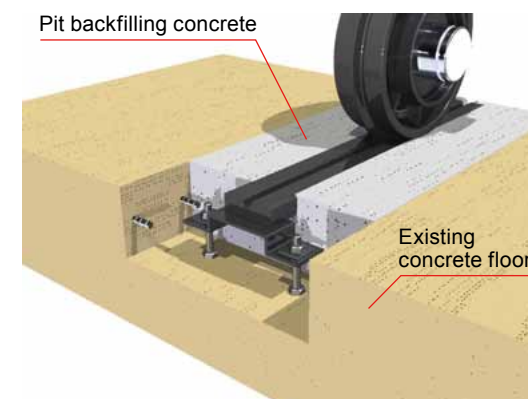
*The floor must be able to endure the weight.



This realizes quick delivery!

Once the rails are set, the racks only need to be installed. The structure is simple and exhibits stable performance with little trouble.

Installation in pits



Even if the floor conditions are not satisfied...

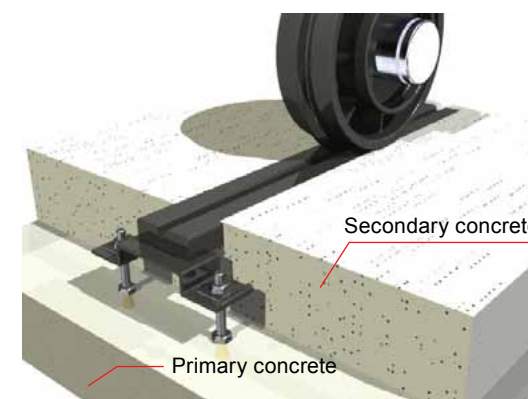
Even if the floor do not satisfy the predetermined strength or values, the rails can be installed in pits.



The pit method can be applied!

Pits are dug on the existing floor, and backfilled after installing rails.

Embedding installation



■ General construction method for new buildings

Rails are installed on the primary concrete. After level adjustment, the second concrete is poured until it reaches the same surface as the rail upper surface. The floor has no projections and does not impair machines running or people walking, making the work comfortable.

*Creating pits in the existing concrete floor, and the concrete backfilling work and floor finishing work after installing rails need to be requested separately.

Movable rack

Cage cart

Storage equipment

Roll box pallet

Steel bottom plate type

Roll Box Pallet

**Lightweight, high quality,
and low cost are realized!**



Basic specifications



The cage cart can be folded easily for storage and does not take up space.
Note: The cage cart may be overturned when moved in the folded state.



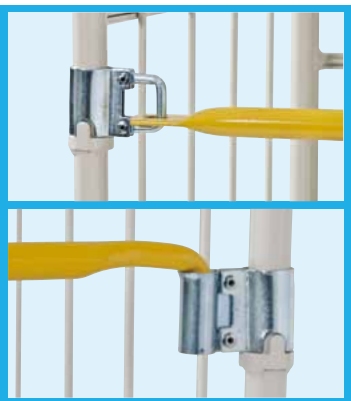
Quiet and smooth running is realized by adopting our unique wheels made of natural rubber. The casters can be attached by insertion, and the number of bolts is also reduced by half.
*Urethane wheels and the cold temperature type are also available.



The strength due to the conventional forming process is maintained, and the corners of the frame are bent to protect the safety of workers.



The cage cart is lightweight and has excellent strength! The flip-up work of the bottom plate saves labor.



A side bar that rotates at both ends is provided to facilitate taking in and out items. In terms of safety, the side bar is in a different color than the body (yellow) so that danger can be avoided by visual check.



A slide lock method with a simple structure is employed.

Movable rack

Cage cart

Storage equipment

Movable rack

Cage cart

Storage equipment

Roll box pallet

Steel bottom plate type

Roll Box Pallet

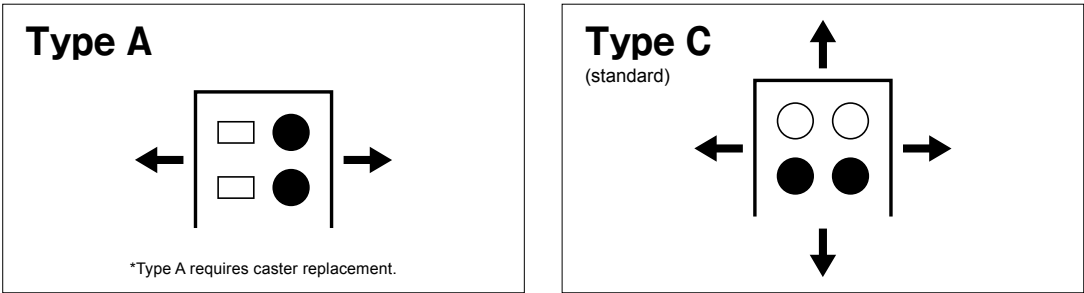
Specifications

Model	External dimensions (mm) Frontage (W) × depth (D) × total height (H)	Internal dimensions (mm) Frontage (W) × depth (D) × total height (H)	Dead weight (Kg)	Movable load (Kg)
MRC-S1	800×600×1,700	740×545×1,457	45	500
MRC-S2	850×600×1,700	790×545×1,457	47	
MRC-S3	850×650×1,700	790×595×1,457	48	
MRC-S4	950×800×1,700	890×745×1,457	54	
MRC-S5	1,100×800×1,700	1,040×745×1,457	57	
MRC-S12	800×600×1,450	740×545×1,207	42	
MRC-S13	1,100×800×1,450	1,040×745×1,207	53	
Sub standard	1,000×800×1,700	940×745×1,457	55	

*The above dead weight indicates the weight of a C type cart with Ø 150 rubber wheels.

Caster specifications

☐ Fixed cart ☐ Free cart ☒ Free cart with stopper



*Contact us for other caster specifications.

Paint color

The body is finished with "powder coating (beige)" and has excellent antirust effect. It is stain-resistant and can be used in a clean state for a long time. The cart can also be made in colors designated by customers (build-to-order manufacturing).

Optional parts

Middle rack (iron plate/mesh)

Movable load: 100 kg
The middle rack became lighter in weight and easier for carrying. Because it is a mesh structure (50 × 100 mm), you can hold any part of it and the work became easier. A steel plate type optimum for carrying small items is also available.

*Surface treatment: mesh rack = unichrome plating
Iron rack = powder coating (beige)



Signboard (blackboard/whiteboard)



Size: 310 × 200 (mm)
*Printing names and numbers on a signboard can also be done.

Vinyl pocket



Size <external dimension> 305 × 125 (mm)
<internal dimension> 215 × 115 (mm)
Since the pocket part is transparent, it is easy to check the details and quantity of the product.

Rubber belt



The rubber belt is attached with metal fittings and compatible with all the types.

Dustproof cover



It is suitable for preventing water and dust. Since the cover is transparent, it is easy to check the details and quantity of the product. The front part opens and closes with a zipper.

Cool cover



Carts attached with a cool cover can maintain the quality of frozen food and refrigerated food like perishables. The front part opens and closes with a zipper, and the lower part has Velcro tape.

Movable rack

Cage cart

Storage equipment

Movable rack

Cage cart

Storage equipment

Roll box pallet

Resin mesh bottom plate type

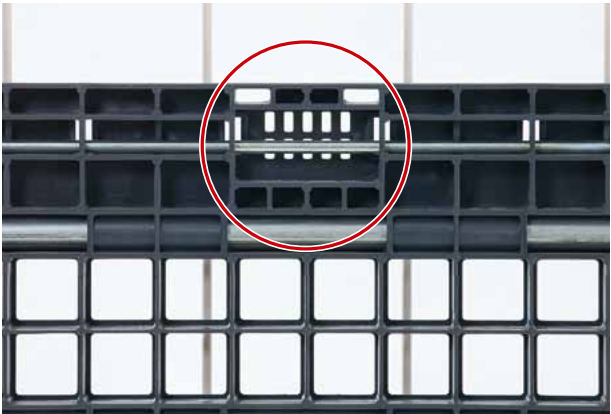
Roll Box Pallet

A one-touch method is employed to enhance the work efficiency and safety greatly.



How to operate

Lock bar

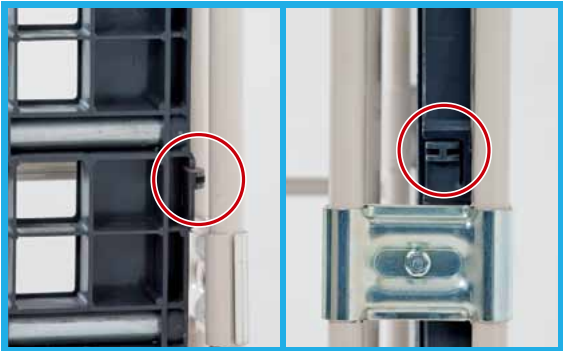


Lower the bottom plate, and set the bottom plate lock bar in the pin receiving part under the right and left panels. The lock can be released just by pulling the bottom plate lock bar to the front.



Steel pipes are embedded to the back surface of the bottom plate, greatly enhancing the strength.

One-touch method



Release the bottom plate, flip it up on the back side, and set the hooks on both sides of the bottom plate between the back panel and the right and left panels.

Specifications

Model	External dimensions (mm)	Internal dimensions (mm)	Dead weight (Kg)	Movable load (Kg)
	Frontage (W) × depth (D) × total height (H)	Frontage (W) × depth (D) × total height (H)		
MJR-1	800×600×1, 700	740×545×1, 448	43	500
MJR-2	850×600×1, 700	790×545×1, 448	45	
MJR-3	850×650×1, 700	790×595×1, 448	46	
MJR-4	950×800×1, 700	890×745×1, 448	51	
MJR-5	1, 100×800×1, 700	1, 040×745×1, 448	55	

*The above dead weight indicates the weight of a C type cart with Ø 150 rubber wheels. *Standard color: beige (powder coating)

Roll box pallet

Two-door type

Resin mesh bottom plate type

The bottom plate is made of resin, and this greatly reduces time it takes for assembly and folding. It can be folded into an L shape and does not take up space when not in use.



Specifications

Model	External dimensions (mm) Frontage (W) × depth (D) × total height (H)	Internal dimensions (mm) Frontage (W) × depth (D) × total height (H)	Dead weight (Kg)	Movable load (Kg)
MJK-S1	800×600×1,700	740×545×1,448	53	500
MJK-S3	850×650×1,700	790×595×1,448	56	
MJK-S4	950×800×1,700	890×745×1,448	63	
MJK-S5	1,100×800×1,700	1,040×745×1,448	66	

*The above dead weight indicates the weight of a C type cart with Ø 150 rubber wheels.
*Standard color: beige (powder coating)

Panel mesh type

Roll Box Pallet

Indispensable for carrying mixed small items

A roll box pallet with mesh side plates. The mesh size is 50 × 50 (mm), and the pallet is optimum for carrying and storing mixed small items. The middle rack, which is available as option, further makes the pallet convenient. It can be folded into an L shape and does not take up space when not in use.



*The middle rack is available as option.



Specifications

Model	External dimensions (mm) Frontage (W) × depth (D) × total height (H)	Internal dimensions (mm) Frontage (W) × depth (D) × total height (H)	Dead weight (Kg)	Movable load (Kg)
MMB-S1	800×600×1,700	740×545×1,457	49	500
MMB-S4	950×800×1,700	890×745×1,457	58	
MMB-S5	1,100×800×1,700	1,040×745×1,457	61	

*The above dead weight indicates the weight of a C type cart with Ø 150 rubber wheels.
*Standard color: beige (powder coating)

Roll box pallet

Security type

Upper and lower door type < the upper door is detachable > Roll Box Pallet

Antitheft type

The antitheft type having all the surfaces covered with mesh can be used to prevent products from being stolen. A padlock can also be used to prevent crimes.



*The signboard is available as option.



*The middle rack is available as option.



Specifications

Model	External dimensions (mm) Frontage (W) × depth (D) × total height (H)	Internal dimensions (mm) Frontage (W) × depth (D) × total height (H)	Dead weight (Kg)	Movable load (Kg)
MSR-S5	1,100×800×1,700	1,040×745×1,420	78	500

*The above dead weight indicates the weight of a C type cart with Ø 150 rubber wheels.
*Standard color: beige (powder coating)

Prevents loads from collapsing

All the surfaces are covered to prevent loads from collapsing. The front door that opens and closes is convenient for taking in and out items.



*Only the upper front door opens and closes.



*Only the upper front door opens and closes.

Specifications

Model		External dimensions (mm) Frontage (W) × depth (D) × total height (H)	Internal dimensions (mm) Frontage (W) × depth (D) × total height (H)	Dead weight (Kg)	Movable load (Kg)
Steel bottom plate type	MRD-S1	800×600×1,700	740×545×1,457	56	500
	MRD-S3	850×650×1,700	790×595×1,457	59	
	MRD-S5	1,100×800×1,700	1,040×745×1,457	70	
Resin bottom plate type	MJD-S1	800×600×1,700	740×545×1,448	54	
	MJD-S3	850×650×1,700	790×595×1,448	58	
	MJD-S5	1,100×800×1,700	1,040×745×1,448	68	

*The above dead weight indicates the weight of a C type cart with Ø 150 rubber wheels.
*Standard color: beige (powder coating)

Roll box pallet

Cart E

Variations < all of the following are build-to-order manufacturing > Roll Box Pallet

Display rack

Optimum for a display rack for selling items at stores.
The cart is also lightweight and can be used by women easily too.



[Steel middle rack]



[Mesh middle rack]



*The middle rack is available as option.

Specifications

Model	External dimensions (mm)		Internal dimensions (mm)		Dead weight (Kg)	Body load (Kg)	Rack plate load (Kg)
	Frontage (W)	depth (D) × total height (H)	Frontage (W)	depth (D) × total height (H)			
MRE-1	800	450×1,600	750	400×1,437	24	200	30

*The above dead weight indicates the weight of a C type cart with Ø 100 urethane wheels.
*Standard color: black (powder coating)

Mesh bottom plate type

- The bottom plate is made of mesh, and the air permeability is improved.
- When used in a refrigerator, cool air circulates from the bottom too and the items are cooled efficiently.



*Folded state

Stainless steel type

- The SUS304 high class stainless steel is used for all the parts. This high-grade roll box pallet has high durability and resistance against rust.
- It can be used in areas with a lot of rain or clean environments for food and chemicals.
- Stainless steel also has good adaptability for recycling when being scrapped.



*Folded state

Lining upholstery type (plastic cardboard)

- The lining upholstery type prevents products from falling.
- It can be used for any products regardless of their shapes.
- It is detachable and can be attached to the body easily.



*Folded state

Hot-dip zinc-coated type

- The hot-dip zinc-coated type has higher antirust effect and can be used anywhere.

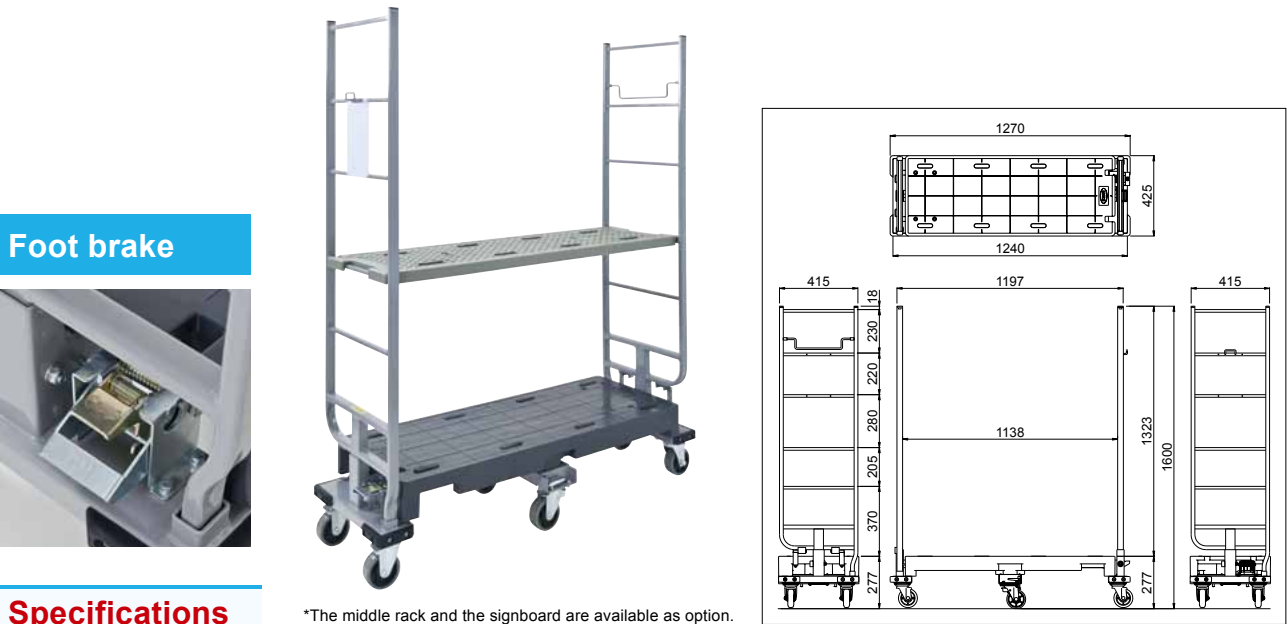


*Folded state

Super slide cart

6-wheel cart: nesting type

Slide Cart



Foot brake



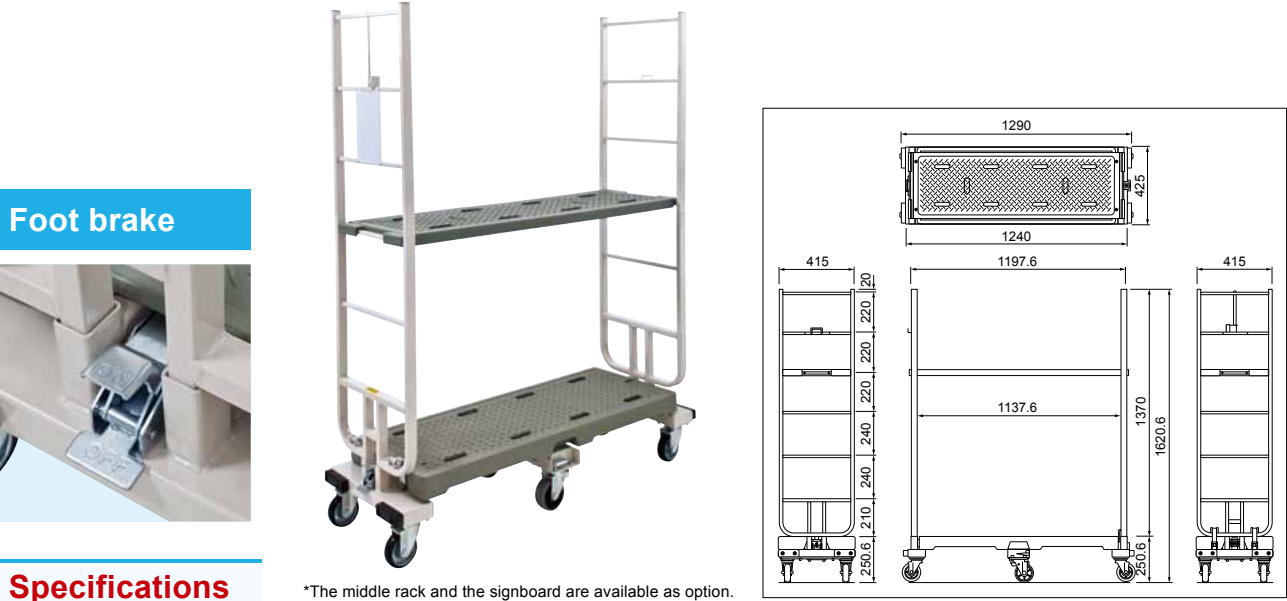
Specifications

*The middle rack and the signboard are available as option.

Model	Body dimensions (mm) Frontage (W) × depth (D) × total height (H)	Bottom plate height (mm)	Fulcrum width (mm)	Body weight (Kg)	Body load (Kg)	Rack plate dimensions (mm) Frontage (W) × depth (D) × total height (H)	Rack plate weight (Kg)	Rack plate load (Kg)
SSC-6-2	1,270×425×1,600	277	415	38	300	1,210×365×35	5.5	100

*Standard color: gray (powder coating) *Center wheels/right and left wheels: Ø 100 urethane wheels

Slide cart



Foot brake



Specifications

*The middle rack and the signboard are available as option.

Model	Body dimensions (mm) Frontage (W) × depth (D) × total height (H)	Bottom plate height (mm)	Fulcrum width (mm)	Body weight (Kg)	Body load (Kg)	Rack plate dimensions (mm) Frontage (W) × depth (D) × total height (H)	Rack plate weight (Kg)	Rack plate load (Kg)
MJB-6-2	1,290×425×1,621	250	415	42	300	1,210×365×35	5.5	100

*Standard color: beige (powder coating) *Center wheels: Ø 100 urethane wheels, right and left wheels: Ø 100 rubber wheels

Characteristics

Slide mechanism

The cart can be moved freely with the slide pedals on the side.

Patent acquired



Space saving

The carts can be stored by nesting them when not in use to save space.

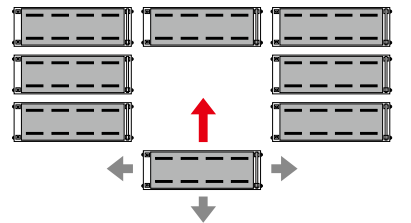
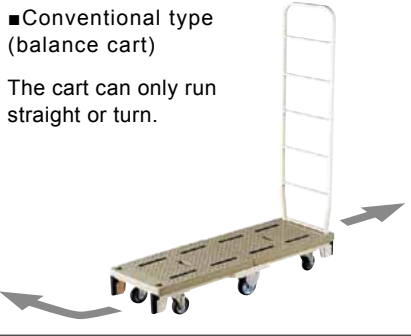


Sliding function

In addition to the conventional running direction, **the cart can slide horizontally**. It can move and stop freely even in a small space.



■Conventional type (balance cart)
The cart can only run straight or turn.



If you step on the slide pedal on the side, the cart fixed at the center becomes a free cart. The cart will be able to run horizontally and move to a desired position such as between carts.

Optional parts

•Used by both super slide carts and slide carts.

Whiteboard



Size: 230 × 140 (mm)

*Printing names and numbers can also be done.

Side guard (plastic cardboard)



Size: 400 × 1,095 (mm)

Resin middle rack

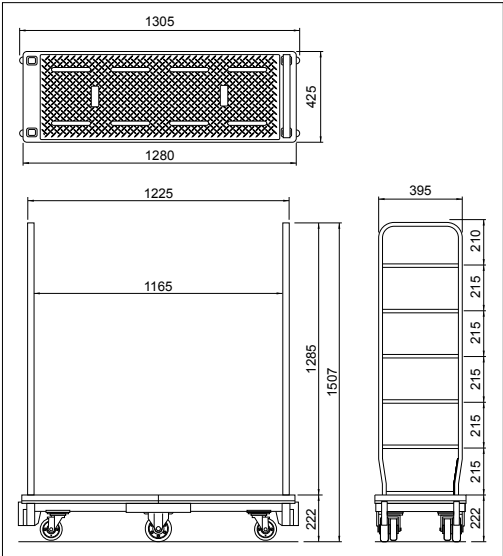


The rack can be hooked to the side frame when not in use.

Balance cart

6-wheel cart: standard type

Balance Cart



*The rack plate is available as option.

Characteristics

- The center wheels are larger than the front and rear wheels. The cart can be rotated 360° centering around the fixed center wheel. It moves light and can make turns in a small place.
- The cart can be disassembled into the base bottom plate and side frames easily. It is convenient for storing in a small place like a warehouse.
- The rubber corners on both sides enable safe work.

Specifications

Model	Body dimensions (mm) Frontage (W) × depth (D) × total height (H)	Bottom plate height (mm)	Fulcrum width (mm)	Body weight (Kg)	Body load (Kg)	Rack plate dimensions Frontage (W) × depth (D) × total height (H)	Rack plate weight (Kg)	Rack plate load (Kg)
MJC-6-2	1,305×425×1,507	222	395	32	300	1,225×340×52	6.5	100

*Standard color: beige (powder coating) *Center wheels: Ø 130 urethane wheels, right and left wheels: Ø 100 rubber wheels

Optional parts

Middle rack (steel)

The rack can be used in five different stages depending on the application.



Whiteboard

Size: 390 × 230 mm
(fixed at four points by rivets)
*Can be attached on both sides.
The middle rack can still be used even if the whiteboard is attached.



Side guard (plastic cardboard)

Size: 400 × 1,095 mm
*The same item is used for slide carts too.



Mesh box

Coil type

Mesh Box



Name plate (300×150mm)



*The signboard is provided as standard.
*Printing names on a signboard can also be done.(Optional)

CAUTION *Do not use the lower pallet door when items are stacked.
*Do not hoist the mesh box.

Characteristics

- (1) Because of the mesh structure, the box is light and strong.
It is about 30% lighter than the conventional type. The strength is also increased by 40%.
- (2) The assembly and folding are easy. Folded mesh boxes save storage place.
- (3) The mesh boxes can be stacked to utilize space.
- (4) Because of its new structure, the vertical strength is greatly enhanced compared with the conventional type. The withstand load and earthquake resistance are also increased by 1.4 times.
- (5) Brackets for stacking are also provided as standard, and they are convenient.
- (6) Because less materials are used, the mesh boxes contribute to environmental conservation too.

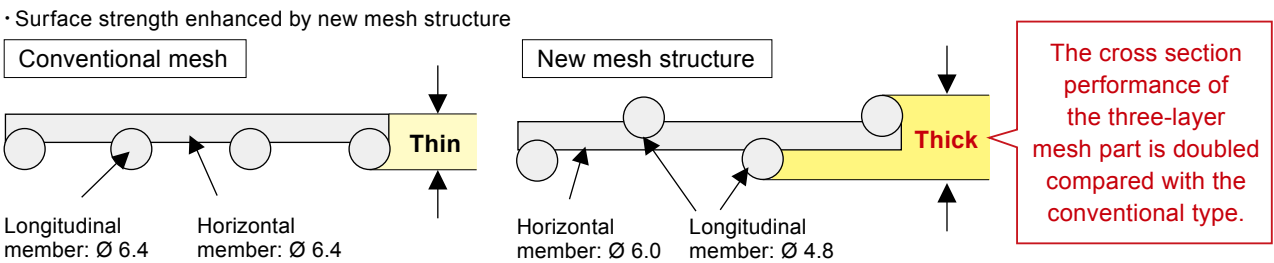
Specifications

Model	Nominal dimensions (mm)	Outermost dimensions (mm)	Internal dimensions (mm)	Max. movable load (kg)	Mesh pitch (mm)	Door	Number of stacks (stages)	Body weight (kg)
MB-A-5	1,000×800×700	1,050×830×850	955×770×670	1,500	50×50	Full-open	4	Approx. 43
MB-S-5	1,000×800×700	1,050×830×845	955×770×670	1,000	50×100	Full-open	4	Approx. 38
MB-A-7	1,200×1,000×750	1,250×1,030×905	1,155×970×720	2,000	50×50	Full-open	4	Approx. 62
MB-S-7	1,200×1,000×750	1,250×1,030×900	1,155×970×720	1,000	50×100	Full-open	4	Approx. 51
MBC-A-1	800×500×410	825×520×552	760×475×380	500	25×50	Full-open	4	Approx. 23

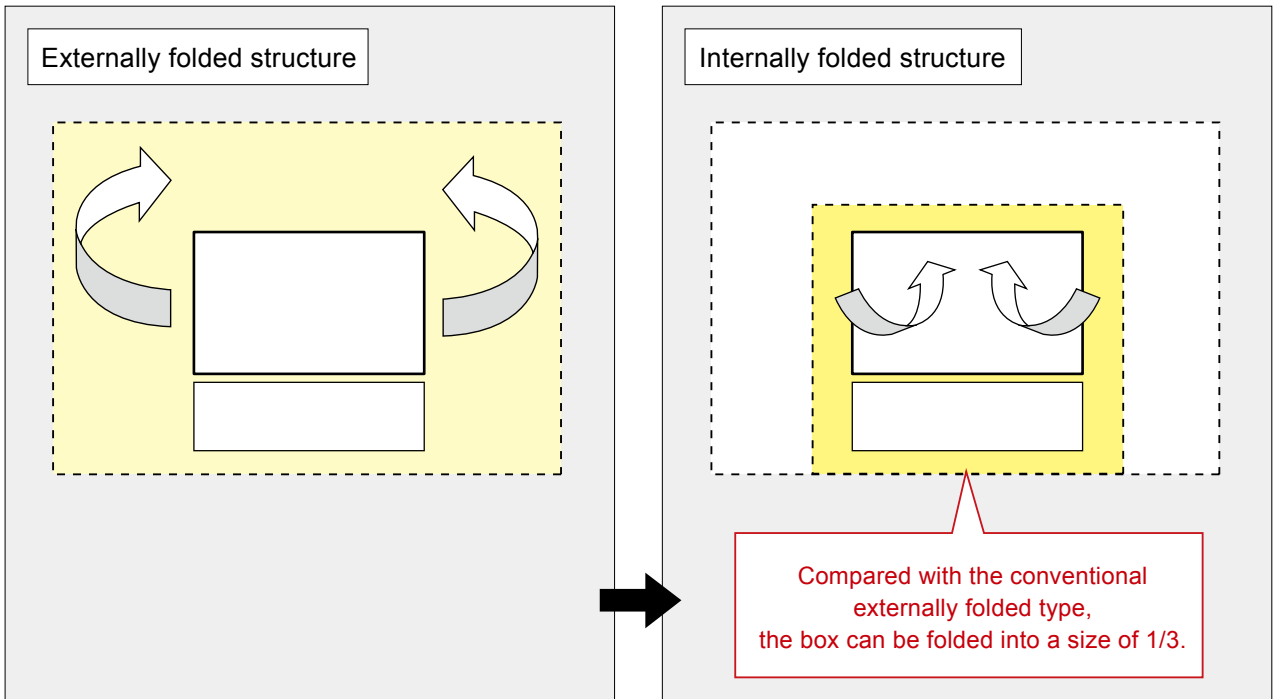
■Surface treatment: unichrome plating
■Others: attached with BKT for stacking, 10 stages (excluding MBC-A-1); body = internally folded structure (MB-A-5/7, MB-S-5/7) / externally folded structure (MBC-A-1)

Optional parts

■An industry-leading level of strength is realized despite its lightweight structure!



■Saves space by internally folded structure!



Mesh box

Coil type

Mesh Box

Optional parts

■ Casters



■ Fork guide



■ Lining upholstery (plastic cardboard, *fixed with Insulok ties)



■ Type with upper and lower doors



■ Type with front and rear doors



■ Type with top plate



Colored mesh boxes are also available. ●You can select the color you like.

■ R: Red (Japan Paint Manufacturers Association Standard Paint Colors No. 07-40X)



■ G: Green (Japan Paint Manufacturers Association Standard Paint Colors No. 45-50T)



Easily recognizable even in the folded state.



*Can be manufactured from the minimum order quantity of 100 units. *Please note that the paint color may differ from the actual product.

Stack rack

Stack Rack



Stack rack

Inverted stack rack