

MOVING WALKS

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**J1200 INCLINED**

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# and Environment-Friendly Moving Walks to Meet Pedestrian Traffic Needs

Terminal-Drive Inclined Moving Walks are designed to carry people smoothly and comfortably. The "Terminal-Drive System" incorporates technology from our highly rated escalators to deliver high levels of quality and reliability. Terminal-Drive Inclined Moving Walks offer ideal solutions for pedestrian traffic, in a variety of commercial facilities including department stores and shopping malls.



## Advantages of Terminal-Drive J-Type Inclined Moving Walks

Terminal-Drive Inclined Moving Walks operate at a comfortable walking speed and provide a smooth ride to passengers on slopes with a moderate inclination. They are suitable for all types of pedestrian traffic, including those with shopping carts, baby strollers, the aged or those in wheelchairs, ensuring a comfortable ride.

For more information, see "Advantages on Moving Walks" on page 6.

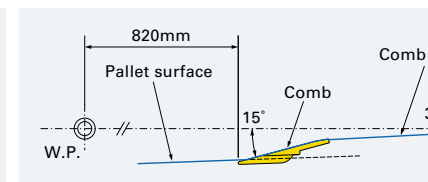
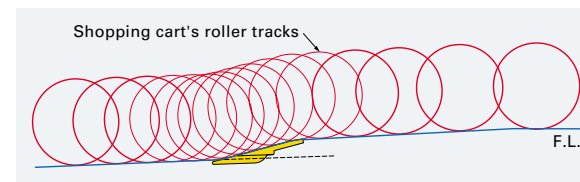
The inclination at boarding and landing is very moderate.

**Long Teeth for Longer Life** The die-cast aluminum teeth offer greater durability.

**Greater Anti-slip Performance** The die-cast aluminum pallets provide greater anti-slip performance. The increased surface notches to enhance anti-slip performance.

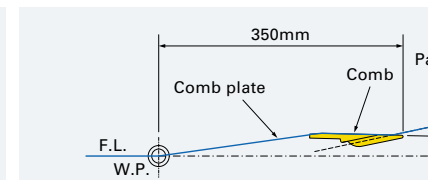
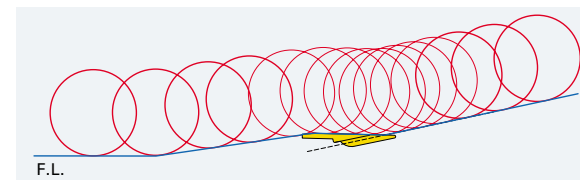
### Upper End

- Going up - The comb angle is designed to be  $15^\circ$  to the horizontal, to make it easier to push a shopping cart over the comb when landing.
- Going down - The comb plate angle is designed to be  $3^\circ$  to the horizontal, to prevent a shopping cart from running downwards when boarding.



### Lower End

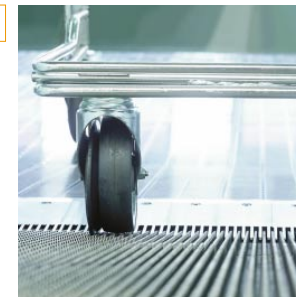
- Going up - The comb plate is designed to be 350mm long, to make it easier to push a shopping cart over the comb when boarding.
- Going down - The minimal comb angle is designed to be  $1.4^\circ$  to the horizontal. This design ensures an outstandingly smooth landing with a shopping cart over the comb when landing.



### Comb

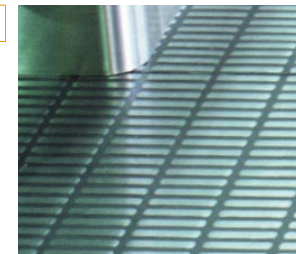
- Each comb is made of die-cast aluminum, rigidly fixed to improve strength and durability.
- Each comb tooth is 3.2mm thick to provide sufficient strength so that the combs are more durable against repeated impact of shopping carts.

See "No Foreign Objects on Moving Walks" on page 6.



### Floorplate

- The stainless steel plate with anti-slip pattern, originally developed by Mitsubishi for its escalators, realizes anti-slip performance.



### Pallet

- Die-cast aluminum provides greater durability.
- Numerous 3mm deep, 5mm long notches on the pallet surface enhance anti-slip performance.
- The long (approx. 410mm) pallet reduces the sense of unsure footing that can occur with a short pallet at the curved portion immediately before landing or after boarding at the upper end.

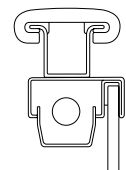


## Specifications

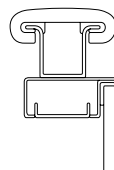
		1200
		MS-LE/LB, MS-E/B
		General use
		Indoor
		JAPAN/EN115
		1006
		1550
Handrails (mm)	MS-LE/LB, MS-E/B	1280
skirt panels (mm)		1010
(persons/hour)		9000
		30
(degree)		12
(m)		6500

## Safety Features

Emergency stop switches with buzzer
Emergency stop buttons
Emergency stop (Moving Walks speed governor)
Emergency stop device (Pallet-chain safety device)
Emergency stop device (Drive-chain safety device)
Emergency stop device (Moving Walks speed governor)
Emergency stop device (Option for JAPAN code)
Emergency stop device (Inlet guards)
Emergency stop device (Option for JAPAN code)
Emergency stop device
Emergency stop device



Type MS-LE/LB



Type MS-E/B

## Feature (Option)

Option (Post type)
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		MS-E/B	MS-LE/LB
Front panel	Standard	Vertical, flat, clear rectangular 8mm tempered-glass panel	
	Option	Vertical, flat, clear rectangular 10mm tempered-glass panel	
		Vertical, flat, clear parallelogram 8 or 10mm tempered-glass panel	
Keyboard		Hairline-finished stainless steel plate	
		Hairline-finished stainless steel plate	
Inlet guard	Standard	Black resin coating with a low friction coefficient	
	Option	Pallet demarcation light / Comb light	
Elimination	Standard	None	Under handrail lighting
	Option	Pallet demarcation light / Comb light	
Handrail color		See page 4	
Handrail		Stainless steel	
	Standard	Die-cast aluminum alloy with black painted groove	
	Option	With painted demarcation cleat See page 4 for the actual color	
		Die-cast aluminum alloy	

## Color Samples for Moving Handrails\*

\*The actual color of the moving handrails may differ slightly from the image shown due to printing limitations.

Standard				
	Black (No.001)	Vermilion (No.502)	Red (No.503)	Yellow (No.504)
Option				
	Green (No.505)	Blue (No.506)	Gray (No.507)	Brown (No.508)
Option				
	Royal red (No.509)	Royal green (No.510)	Beige (No.511)	Black as dark (No.512)

## Optional Color for Demarcation Cleats\*

\*The actual color of the demarcation cleats may differ slightly from the image shown due to printing limitations.



Yellow (Equivalent to Munsell color system: 10YR 6/2)

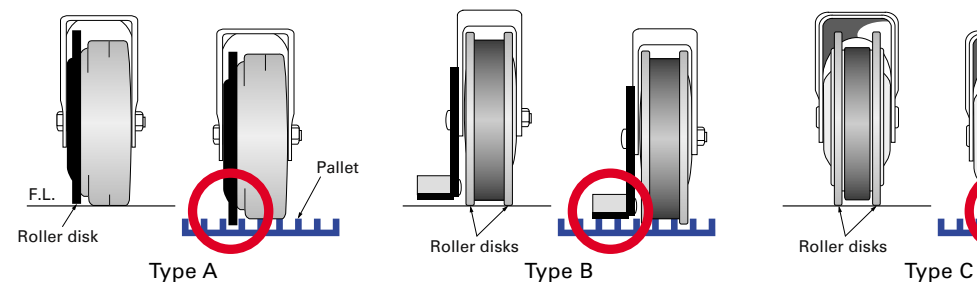
### 1 Essential Shopping Cart Requirements

- All shopping carts to be used on Moving Walks must have four wheels. All four wheels must have a brake mechanism. "Examples of Brake Mechanism" shown below. **ALL WHEELS MUST BRAKE AUTOMATICALLY WHEN ROLLED ON THE PALLET.**
- All roller disks, not only those on the two wheels on either side, must fit into the grooves between the pallets in "Pallet Section" below.
- The weight of a loaded shopping cart must not exceed 780N.

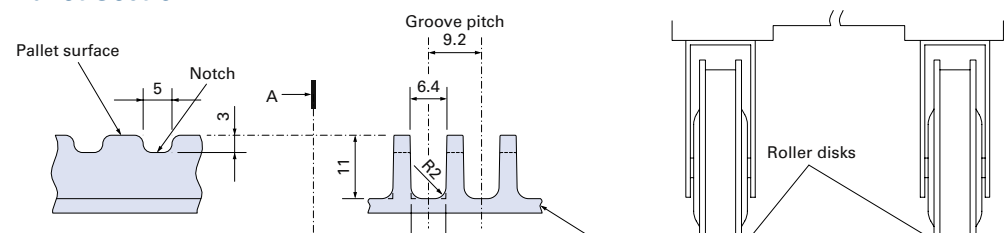
### 1 Confirmation by Test

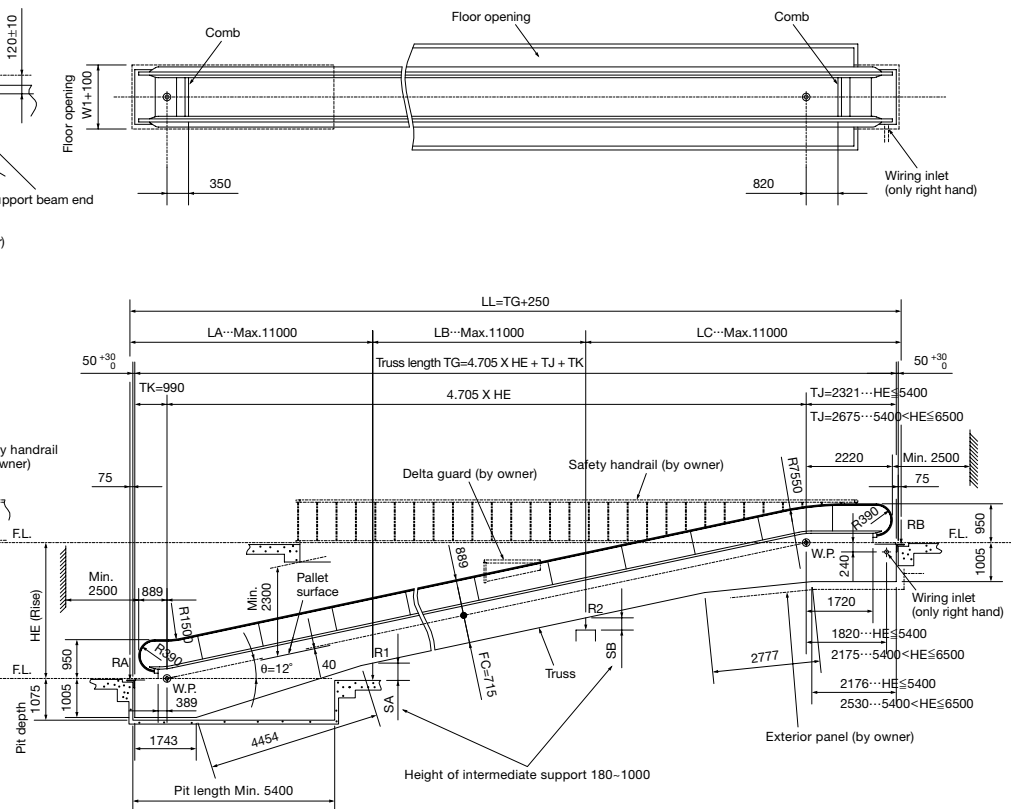
Before starting the operation of Moving Walks for public use, it is essential to ensure by actual tests using loaded shopping carts in both up and down directions that: 1) the carts are easily pushed onto the pallet from the floorplate with the brakes fully functional through the entire travel on the pallets from boarding to landing; and 3) the carts are easily pushed over the comb from the pallet when landing.

### Examples of Brake Mechanism (All brake automatically on boarding the pallet)



### Pallet Section





		1200	
		MS-LE MS-LB	MS-E MS-B
Walk	W1	1550	
Moving handrails	W2	1280	
Stair panels	W3	1010	

**am (N)** (Dimension: mm)

$$\beta \cdot (TJ-1204)/LC$$

**S**

N)

50

## Points to Note with Layout

- Please provide sufficient space in each Moving Walk boarding and landing area in order to ensure smooth traffic flow. This is particularly important for passengers with shopping carts so that they can board or land directly in front of the Moving Walks. Obstacles in this area may interfere with traffic and cause passenger congestion.
- For parallel or crisscross arrangements of Moving Walks, it is recommended to install a dividing handrail nearby the handrails on each floor as shown in the figure to the right, to facilitate smooth traffic for the passengers with shopping carts.

## Ordering Information

Please include the following information when ordering or requesting estimates.

- Name and address of building or project
- Type of Moving Walks desired
- Rise (HE) and distance (TG+100mm) between support beams
- Number of units
- Voltage and frequency of power source
- Optional items desired

## Works Not Included in Installation Contract

The following items are excluded from Mitsubishi's Moving Walks installation works.

- External finish work on Moving Walks
- Intermediate support beam
- Pit construction, waterproofing and other architectural works
- Wiring and conduits for the main power and lighting to the control panel installed on a t
- Grounding wires and conduits
- Confirmation tests of shopping carts specified on page 4 of this brochure

### ! Wheeled Devices on Moving Walks

**⚠** Wheeled devices such as wheelchairs, shopping carts and baby strollers may run downwards during a ride. Walks unless preventive measures are taken.

- !** In order to prevent wheeled devices from accidentally running downwards;
- (1) shopping carts to be used for Moving Walks must fully satisfy the essential requirements and be tested for the items provided on page 4 of this brochure;
  - (2) wheelchair users without attendants must lock the wheels by brakes or hold the wheels with their hands during rides;
  - (3) those with baby strollers must hold the handles of the strollers during rides on Moving Walks.

**⊘ No Foreign Objects on Moving Walks**

Ensure that no foreign objects, such as grit and stones, are allowed on the surface of the Moving Walks since they can damage the pallet cleats and comb teeth.

