USER MANUAL GUIDE
Gait Training System

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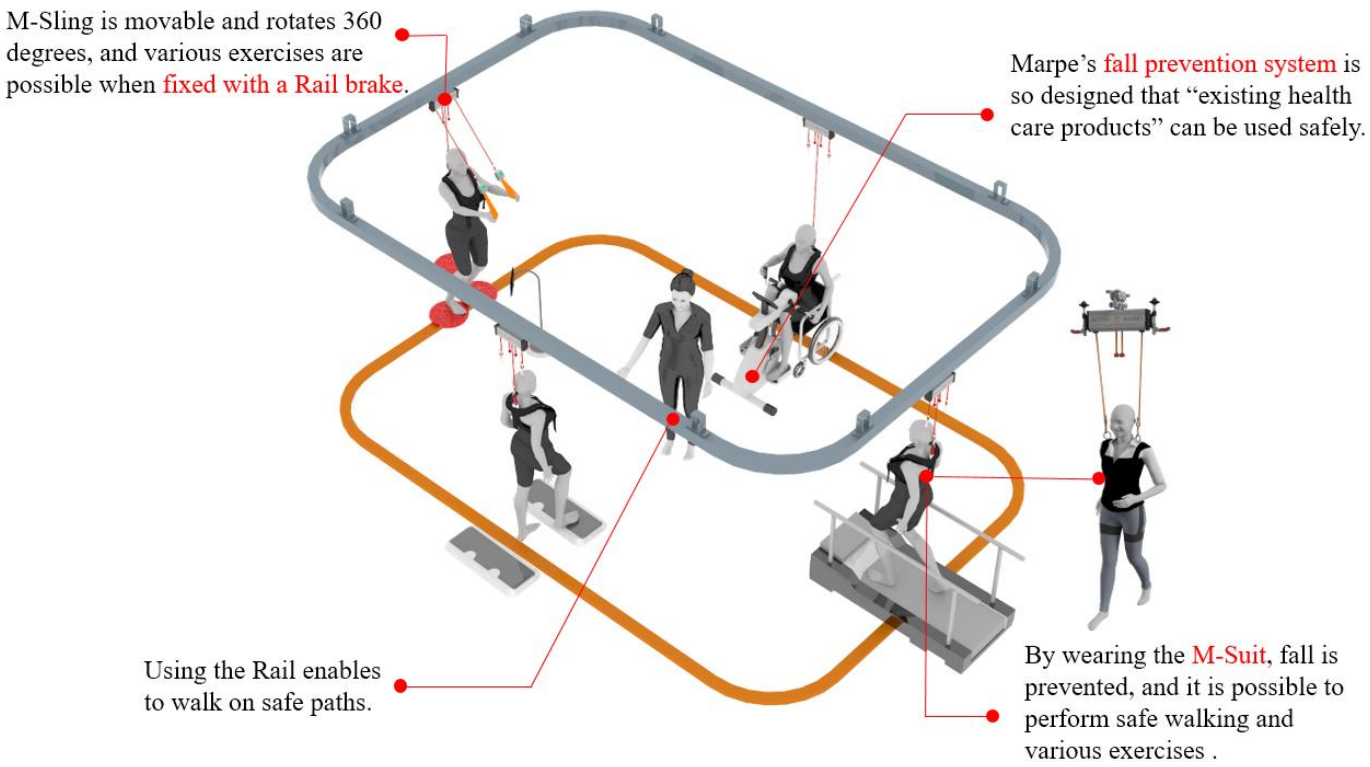
1. OVERVIEW

The **Gait Training System (GTS**) consists of three key components: the walking **Rail**, **M-Sling**, and **M-Suit**, and its main function is to prevent falls during gait training.

The GTS is designed to assist elderly individuals and patients with chronic disabilities in performing various daily functional activities effectively in hospitals and rehabilitation centers.

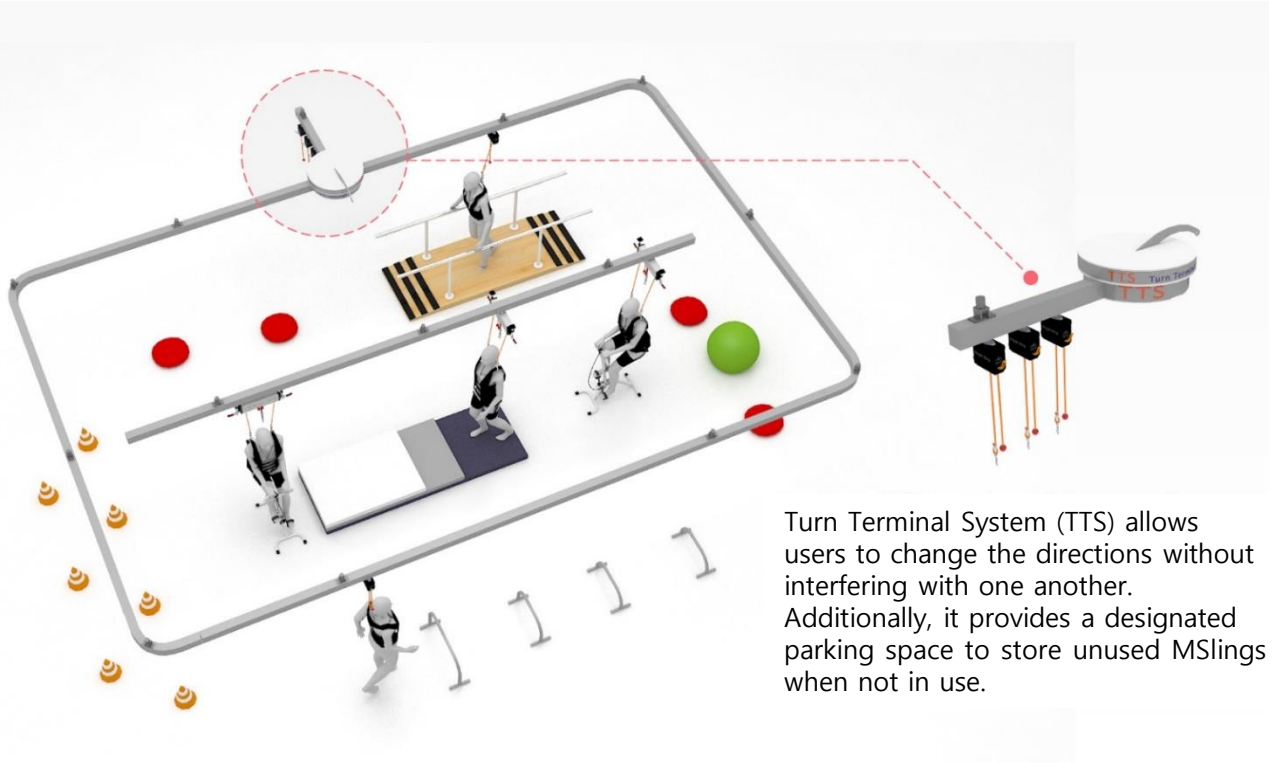
The system is used in hospitals, rehabilitation centers, elderly welfare centers, and facilities for individuals with disabilities.

Additionally, the group therapeutic exercise system allows multiple users to train simultaneously.



2. FEATURES

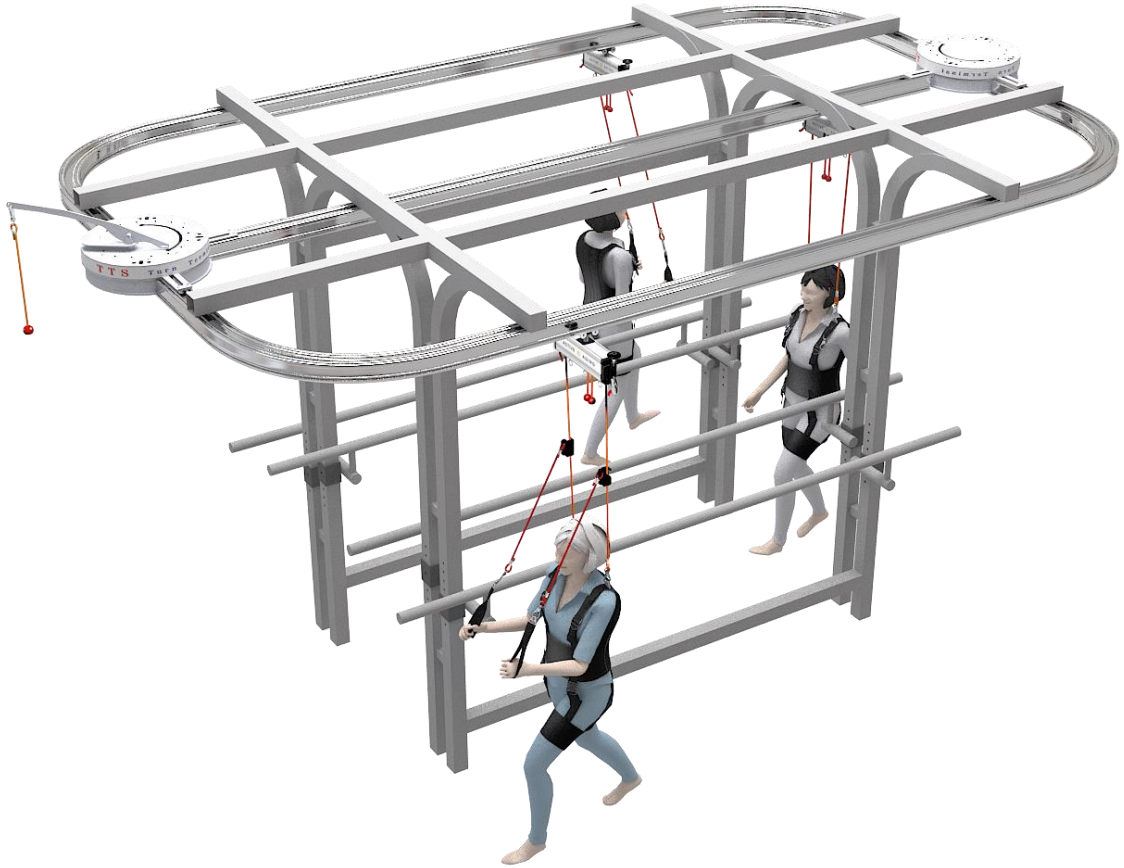
1. **Unique Training Method**: The GTS is specifically designed for patients who are unable to walk independently due to severe impairments, providing essential support during rehabilitation.
2. **M-Sling System**: The M-Sling can be easily, quickly, and securely fixed to any position along the walking rail, offering flexibility during training.
3. **High Load Capacity**: The M-Sling can support a maximum load of up to 200kg, ensuring that even individuals with a higher body weight can train safely.
4. **Versatile Training Function**: Beyond basic gait training, the M-Sling functions as a professional sling system, enabling advanced rehabilitation exercises.
5. **Turn Terminal System (TTS)**: GTS develops both manual and automatic (remote-controlled) Turn Terminal Systems, allowing users to change the directions at the center or outer parts of the rail without interference.



Turn Terminal System (TTS) allows users to change the directions without interfering with one another. Additionally, it provides a designated parking space to store unused MSlings when not in use.

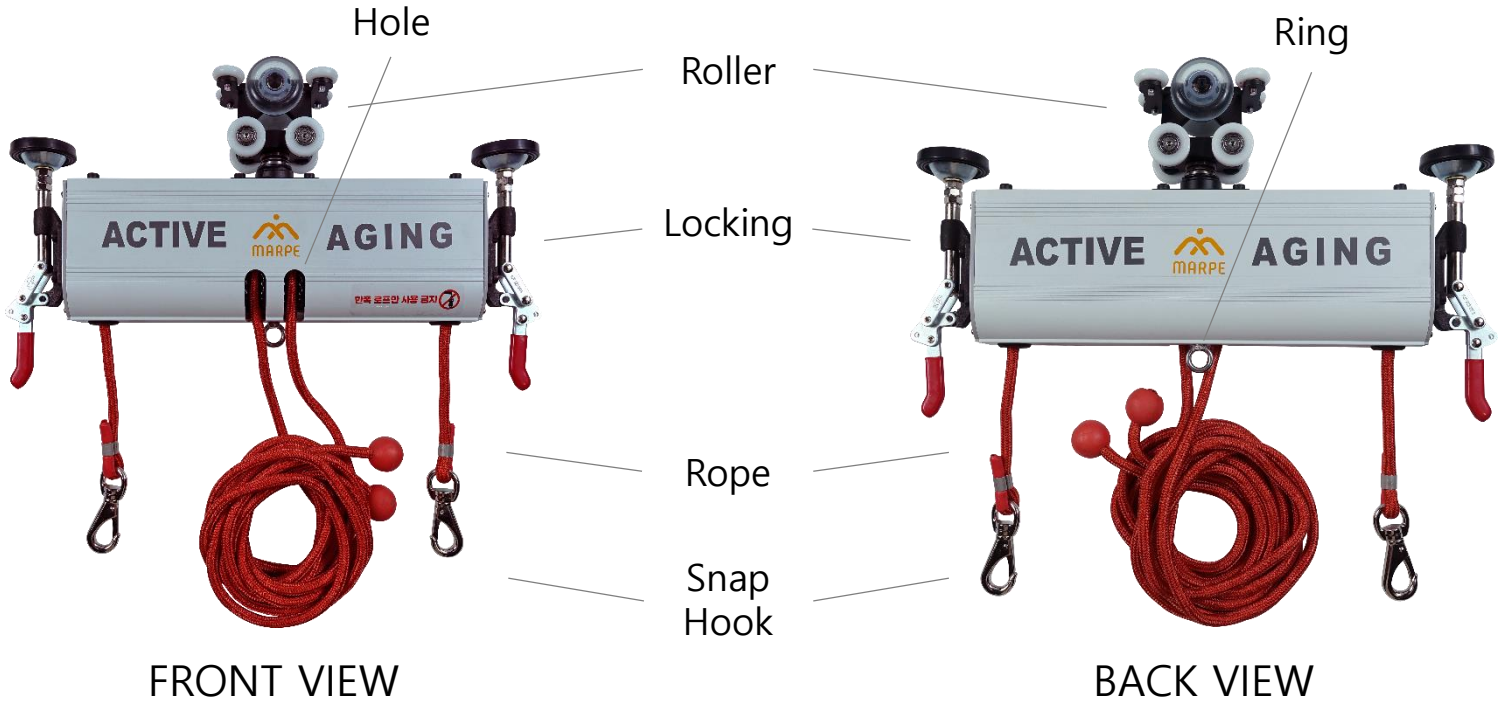
2. FEATURES

6. **Flexible Installation Options**: The GTS is available in both **Ceiling** and **Stand** type. The stand type is ideal for spaces where ceiling installation is not possible.
7. **Standard Size for GTS Stand**: The GTS stand has a standard size of **4m (L) x 2.5m (W) x 2.3m (H)**, making it suitable for use in narrow spaces.
8. **Customizable GTS Ceiling Type**: The GTS Ceiling type can be customized to any shape or size, such as a straight rail, a round rail, or a combination of both.



GTS stand size: 4m (L) x 2.5 (W)m x 2.3m (H) / 300kg (Weight)

3-1 DETAILS of M-Sling



FRONT VIEW

BACK VIEW



TOP VIEW



BOTTOM VIEW



SIDE VIEW

Dimensions: 357mm (Width) x 65mm (Depth) x 120mm (Height)

Weight: 5kg

Maximum Load of M- Sling System: 200kg

Main Materials: Aluminum, Steel, Polyester, Polyacetal, Urethane, Rubber

3-2 DETAILS of Rail



Entire view of Rail



FRONT & BACK VIEW



BOTTOM VIEW



TOP VIEW



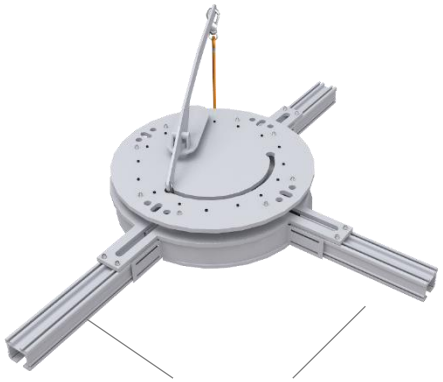
SIDE VIEW

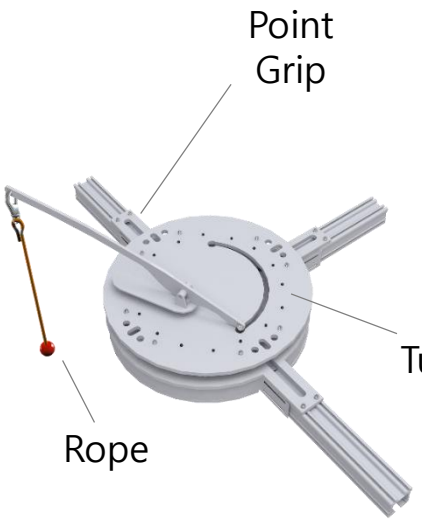
Dimensions: 1000mm (Width) x 104mm (Height) x 83mm (Depth)

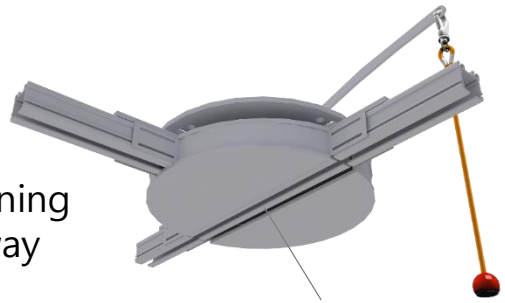
Weight: 5kg/m

Main Material: Steel

3-3 DETAILS of Turn Terminal







Manual Turn Terminal



Automatic Turn Terminal

Dimensions: 1000mm (Width) x 110mm (Height) x 700mm (Depth)

Weight: 25kg

Main Material: Steel

3-4 DETAILS of M-Suit



Triangle Hook

Adjustable Buckle

Entire view of M-Suit



Shoulder Strap

Waist Belt

Thigh Belt

FRONT VIEW



Assist Safety Strap

Rope Pocket

Waist Strap

BACK VIEW

Main Materials: Neoprene, Air-mesh, Webbing, Plastic, Steel

How to use M-Sling System

1. Releasing and Lowering Ropes

(a) Stand in front of the device, hold the **Adjusting Ropes** (middle) in one hand and **Main Ropes (**connected straps with hook) in other hand

(b) Gently pull the **Adjusting Ropes** forward from Cleat to release them and pull the **Main Ropes** straight down to the desired height

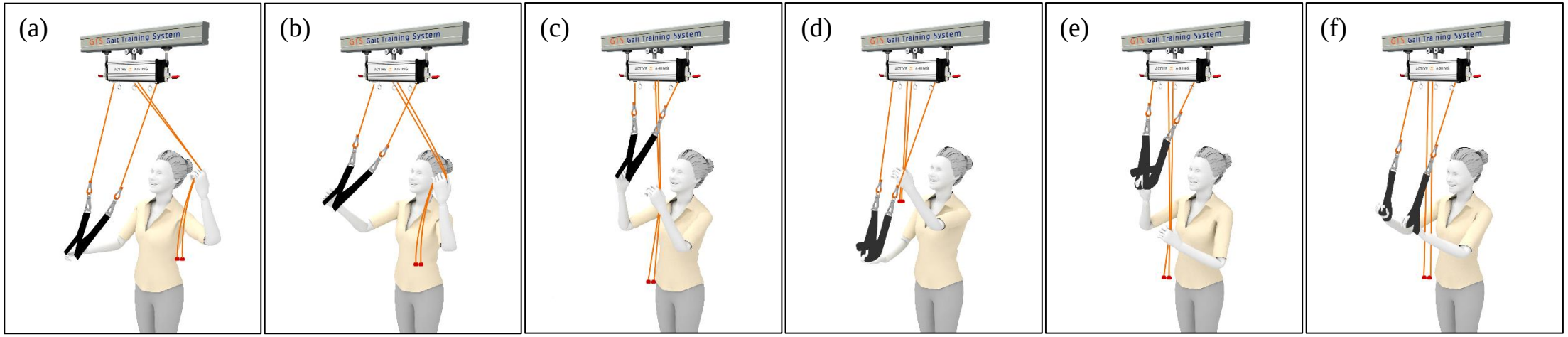
2. Locking Ropes

(c) Fix the **Adjusting Ropes** to the Cleat so they hang straight down; the ropes will automatically lock when a load is placed on them

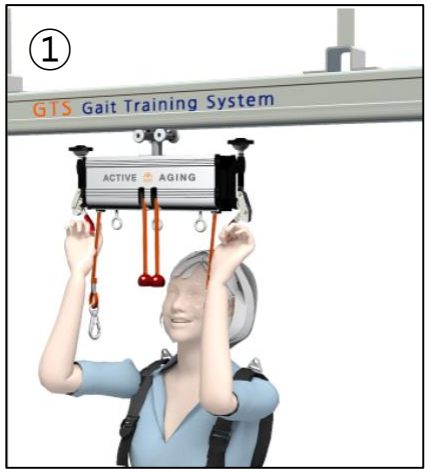
3. Raising Straps

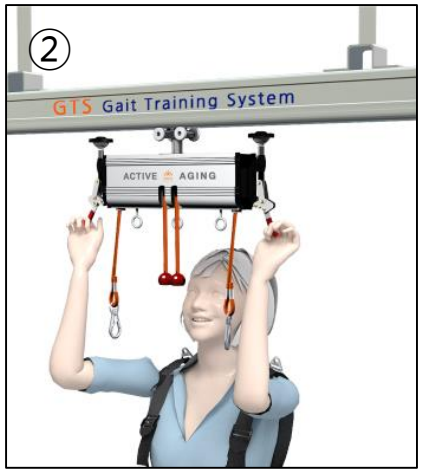
(d-e) Pull the **Adjusting Ropes** straight down until the straps reach the desired height

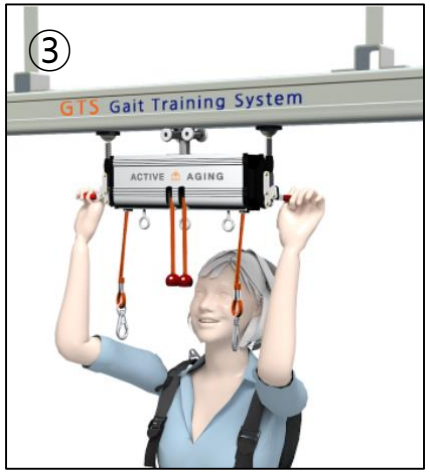
(f) The straps will automatically lock when a load is placed on them



4-2 MANUAL of fixing M-Sling to the Rail







Unfixed state



Fixed state



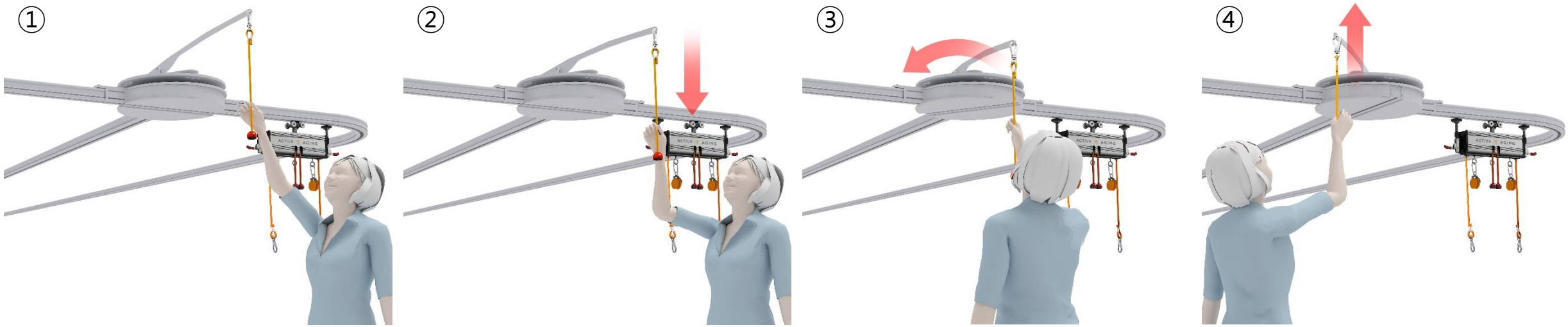
① When securing the M-Sling to the rail, position the M-Sling horizontally to the rail.

② Hold the red fixing levers on both sides of the M-Sling and lift them all the way to the sides to secure it.

③ On the contrary, when releasing the fixing, hold the red fixing lever and lower them all the way down in the following order ③ → ①,

- Ensure that the fixing device is lowered fully, to avoid jamming in the rail.
- Always use the fixing device on both sides simultaneously.

4-3 MANUAL of Turn Terminal System (Manual)



① Grasp the Rope of the Turn Terminal

② Pull the rope straight down

③ Adjust the Point Grip in desired place

④ Release the rope

4-4 MANUAL of M-Suit

①



① First, place the suit on the user's shoulders while standing in front of them. Extend on leg to support the user's body.

②



② Position the waist belt below the middle of the waist, ensuring it is aligned inward.

③



③ Pull the inner belt tight, then firmly adhere the outer belt on top of it.

4-4 MANUAL of M-Suit

④



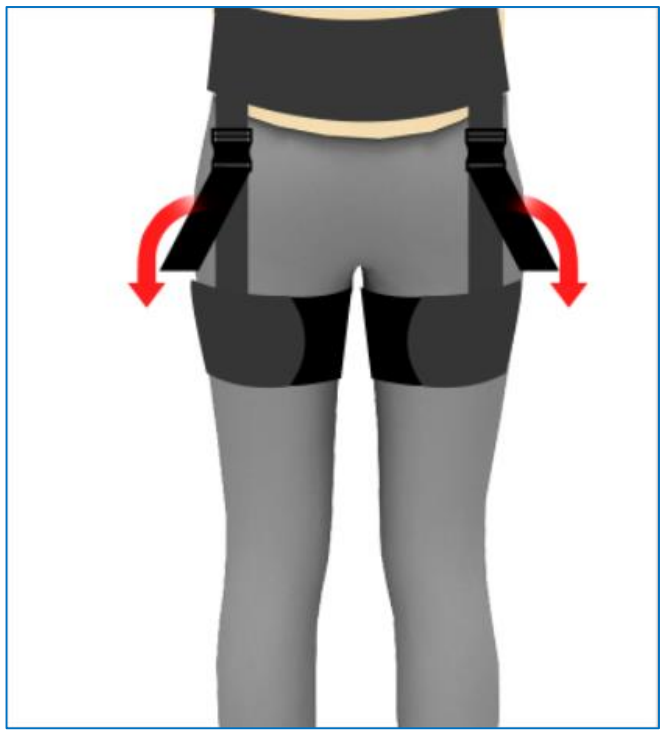
④ Adjust the shoulder strap to fit the user's body type. (Slightly raised the Adjustable Buckle with one hand and pull down the Webbing belt for smooth adjustment.)

⑤



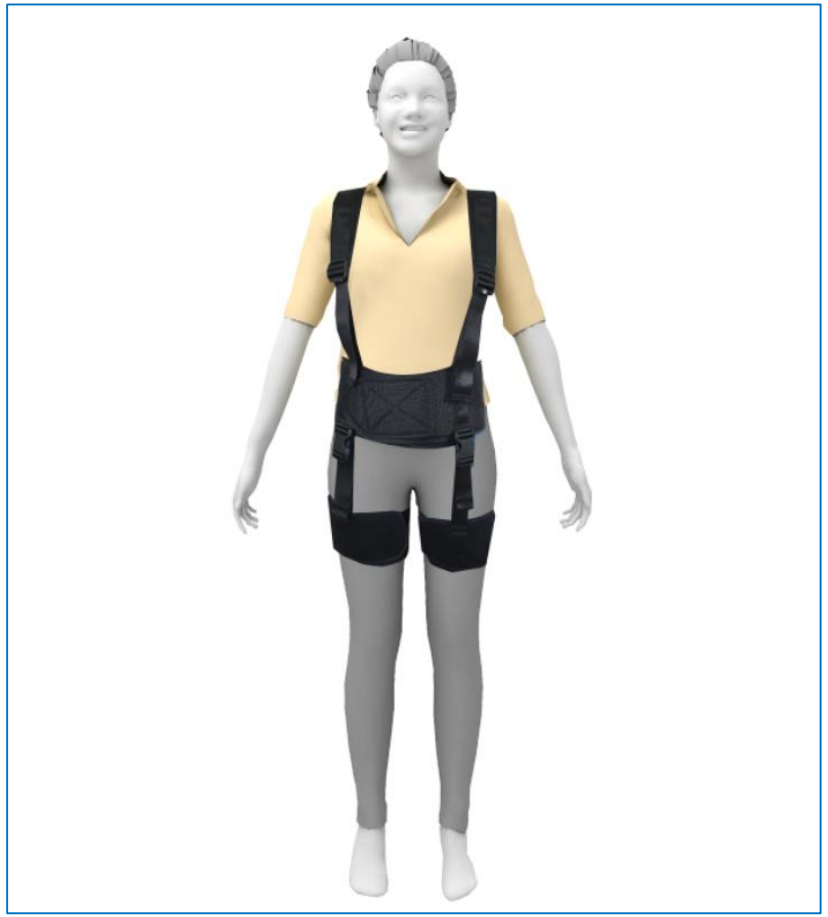
⑤ Fasten the lower part the suit to the middle of the thigh using the Velcro straps.

⑥



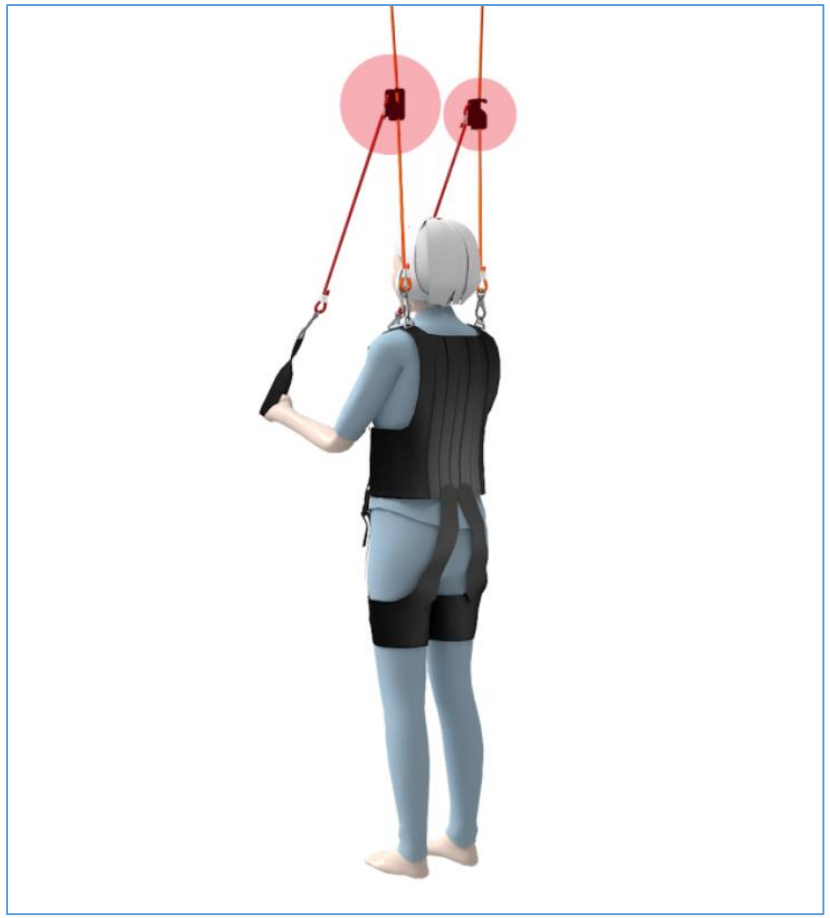
⑥ Complete wearing the suit by pulling the front length adjustment strap down tightly.

Wearing the suit correctly

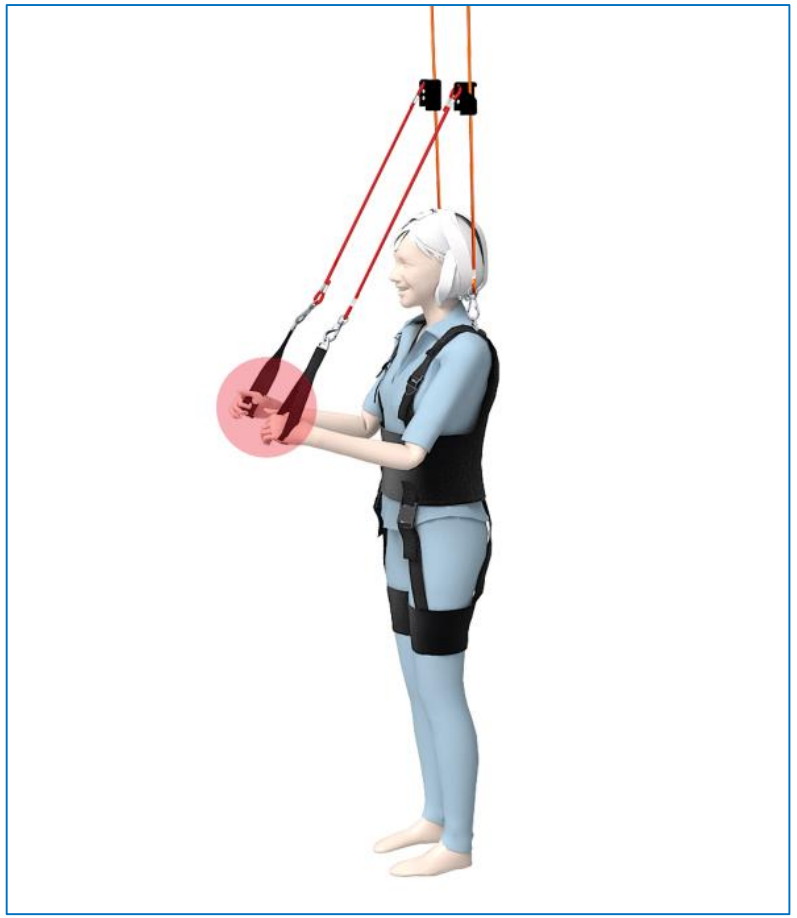




How to attach the multi-strap to the M-Sling



Attach the 30 cm non-elastic assist rope to the M-Sling main rope, as shown in the figure.



Hang and hold the multi-strap as shown in the figure.

5. COMPONENTS

① 

② 

③ 

④ 

⑤ 

⑥ 

⑦ 

① M-Sling(1ea) : 357mm x 120mm x 65mm

② M-Suit(1ea)

③ Multi Strap(2ea) : 340mm x 290mm

④ Rope 30cm(2ea) : ø8 x 300mm

⑤ Elastic 130cm(1ea) : ø7 x 1300mm

⑥ Pulley(1ea) : 155mm x ø 48mm

⑦ Rail

6. Others

PRECAUTIONS FOR USE

Periodically check that the M-Sling system is securely attached to the rails.
Noise can be prevented when using the M-Sling system by applying grease to the roller wheels periodically.

Periodically inspect the ropes of the M-Sling system to ensure they are in good condition.

Do not hang or place weight on a single rope of the M-Sling system.

When securing the M-Sling to the rail, raise the brake lever all the way up, and lower it fully when moving.

If the rope doesn't stay fixed in the cleat of the M-Sling system, stop using it and contact us.

STORAGE AND MAINTENANCE

Store the M-Sling System in a cool and dry place and clean it regularly with a soft dry cloth. The recommended working temperature range is 0 ~ 45˚C(32 ~ 113˚F). Using the M-Sling System in extremely cold, hot or highly humid environments can reduce its durability.

CONTACT US

If you need to repair a product under warranty, please email a detailed explanation of the problem to harold.marpe@gmail.com and simply wait for further instructions.

Find more information, please visit the dedicated website at www. marpe2000.co.kr



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