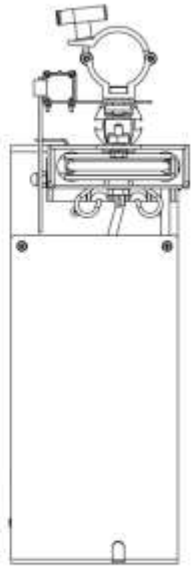
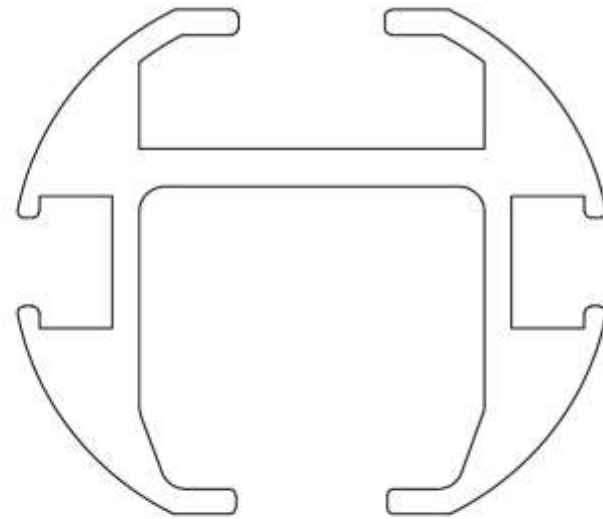


SHOWPIPE

MOTORISED MOVEMENT WITH ROPE



DISCLAIMER & COPYRIGHT

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All products from the ShowTex Rental range are supposed to be returned in the same state as they were rented. Please treat our products with care, allowing the next user to enjoy the products as much as you did. The rented products are internally checked according to the general rental conditions. Be sure to check our rental guidelines on our website before installing and using this product:

<http://www.showtexrental.com/showtex-rental-guidelines>.



Read and understand this user manual before installing and or operating the automatic reveal system. Failure to follow the instructions in this document could result in serious injury!



As a result of the above warning, any ShowTex product must be installed and operated by a qualified technician who has knowledge of its capabilities as well as its limitations.

Following the guidelines of this manual will reduce the risk of damaging the equipment or injuring yourself and the people around you. Damage to the system caused by any other method of installation than the one shown in this manual can only be repaired or fixed at the customer's expense.

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INTRO

Thank you for purchasing a ShowTex product.

Please take a moment to read this manual before installing or starting to use your new curtain track system. It contains important information regarding health and safety regulations and will guide you through the installation process safely and will show you how to use the system without injuring yourself or the people around you.

WARRANTY

ShowTex warrants that its mechanical/technical products, when delivered in new condition, in original packaging, sold directly and used in normal conditions, are free from any defects in manufacturing, materials and workmanship. The warranty shall only apply if the mandatory preventive maintenance actions as described in the technical documentation have been executed by skilled people. Warranty starts on invoice date for a period of 24 months.

Please read the entire warranty declaration on our website www.showtex.com before installing & using this product.

PRODUCT DESCRIPTION

ShowPipe is a more sturdy aluminium version of the H100 track with the same characteristics. This rail system is easy to assemble and fast to rig. ShowPipe slides into our 50 mm aluminium tube and can thus be integrated seamlessly into our EasyDrape system. Wherever curtain movement is wanted, the tracks can be custom curved on demand.

RTD or Rope Track Drivers are a range of motors provided by ShowTex. They can be used to electronically control the movement of the curtain.



Beware, this manual only covers the motorised rope-controlled ShowPipe rail system using an RTD1000 motor unit.

SAFETY INSTRUCTIONS



Do not exceed the maximum carrying capacity of the track and its components. Be sure to check if the capacity of the suspension points corresponds to the weight of the track and the items to be suspended from the track. **(see chapters 'technical specifications' and 'max. load & distance')**

The maximum distance between each suspension point should be 2 m. Provide extra points in the curtain storage area to support the accumulated weight of the curtain when gathered together. Be sure to refer to the technical datasheet for more detailed information.

Do not allow any item to be operated or used when in doubt about the safety or good working order to avoid accidents and injuries. Most accidents are the result of lack of training, carelessness and overconfidence, do not assume anything.

Do not use this rail system for any other purpose than hanging and moving stage curtains or light-weight decorative elements.

Only combine this rail system with parts and accessories from the ShowTex curtain track range.

Disassembly must be carried out under the same conditions and following the same steps as assembly but in reverse order. Remove all curtains or other suspended items before removing tracks from their permanent location. Disconnect all parts before removing tracks. Never remove in one piece.



To prevent electrocution and contact with moving parts, disable the power supply before carrying out any work on the units.

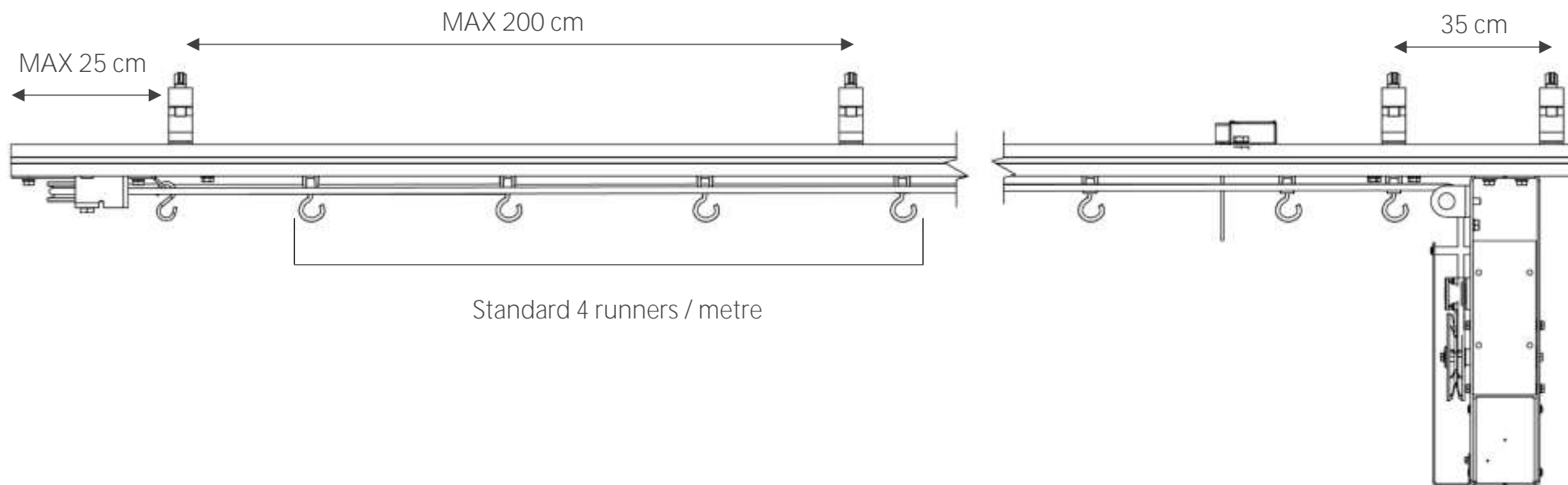
RTD units must be installed with a corresponding earth wire of the same section as the power cable. Installation and operation must take place in a dry frost-free environment.

A sudden unexpected start-up of the system by not disabling the power in both the standard and RTD units causes a risk to the operator.

Be aware that the motion system keeps moving as long as the power is on. If a problem occurs, anything in its path can cause damage to the moving curtain until the master or overlap carriers reach the limit switch or the motor unit is shut down.

MAX. LOAD & DISTANCE

Never exceed the maximum distance and approved loads shown in the drawing and graph on this page.



! Reduce the maximum distance between each mounting point to 1m when using the ceiling clips.

! Provide extra points in the curtain storage area to support the accumulated weight of the curtain when gathered together!

Load capacities have been calculated using Safety Factor 2. Apply the required Safety factor according to the standards pertaining to your application.

Art. No.	Description	SWL	Point load between 2 m suspension points	Uniformly distributed load between 2 m suspension points
8055 0001 6007	Track section	x	68 kg	120 kg
8050 0205 0087	Ball-raced runner	8 kg	x	x
8050 0221 0167	Master carrier	15 kg	x	x
8050 0230 0001	Scenery carrier	60 kg	x	x

TECHNICAL SPECIFICATIONS

COMPONENTS

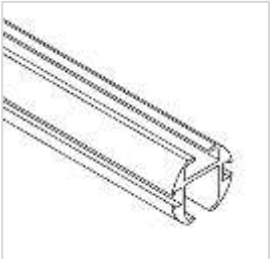
The following components are part of the motorised ShowPipe rail system.

CAUTION! The components included in your shipment depend on the specific situation in which you want to use this system.

For more technical information, please refer to the technical datasheet.

LEGEND

/m	Weight per meter
/p	Weight per piece
/s	Weight per set



1. TRACK

Art. No. 8055 0001 6007	Colour black	Weight 1.31 kg/m	Length 6m
----------------------------	-----------------	---------------------	--------------




2. JOINER SET

Art. No. 8055 0042 1507	Colour black	Weight 0.11 kg	Info 2 pieces
----------------------------	-----------------	-------------------	------------------




3. HALF COUPLER CLAMP + SQUARE CHANNEL NUT

Art. No. 8055 0680 0757	Colour black	Weight 0.40 kg/p	Info 75 kg Fits 48/51 mm diameter tubes.
----------------------------	-----------------	---------------------	---



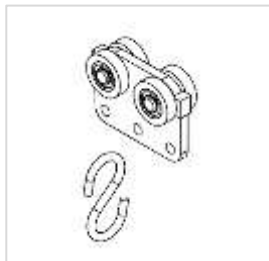
4. END STOP

Art. No. 8050 0050 0001	Colour Galvanised	Weight 0.03 kg/p
----------------------------	----------------------	---------------------



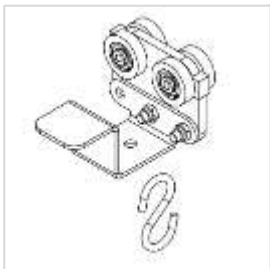
5. BALL-RACED RUNNER

Art. No. 8050 0205 0083	Colour White	Weight 0.03 kg/p	SWL 8 kg
8050 0205 0087	Black	0.03 kg/p	8 kg



6. BALL-RACED MASTER CARRIER

Art. No. 8050 0221 0163	Colour White	Weight 0.05 kg/p	SWL 15 kg
8050 0221 0167	Black	0.05 kg/p	15 kg



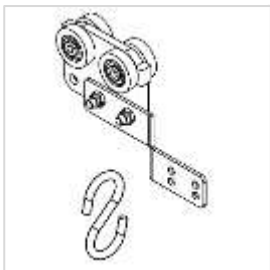
7. MASTER CARRIER FOR USE WITH MOTOR

Art. No.	Colour	Weight	Capacity
8050 0228 0167	Black	0.12 kg/p	15 kg



11. SCENERY CARRIER

Art. No.	Colour	Weight	SWL
8050 0230 0001	Galvanised	0.11 kg/p	60 kg



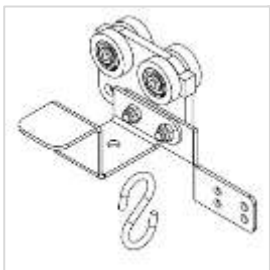
8. SHORT OVERLAP CARRIER

Art. No.	Colour	Weight	SWL
8050 0245 0057	Black	0.09 kg/p	15 kg



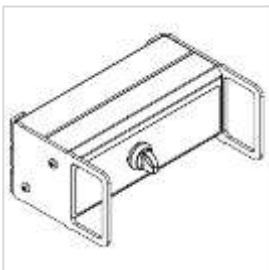
12. RTD 1000

Art. No.	Colour	Weight	Information
8050 0713 2217	Black	11.8 kg	90W/230V/2.3A



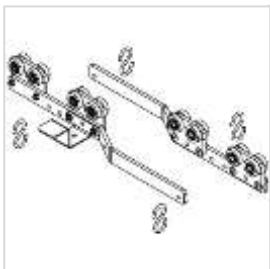
9. SHORT OVERLAP CARRIER FOR USE WITH MOTOR

Art. No.	Colour	Weight	Capacity
8050 0245 1057	Black	0.09 kg/p	15 kg



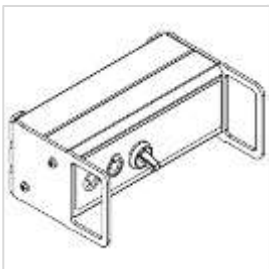
13. REMOTE CONTROL

Art. No.	Colour	Weight
8050 0950 0007	Black	1.55 kg/p



10. OVERLAP CARRIER SET FOR USE WITH MOTOR

Art. No.	Colour	Weight	Capacity
8050 0246 1167	Black	0.82 kg/p	15 kg



14. REMOTE CONTROL DMX MODULE

Art. No.	Colour	Weight
8050 0766 0200	Black	1.55 kg/p



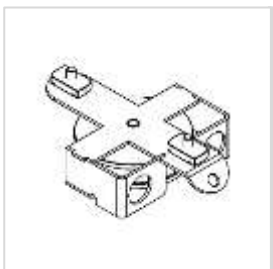
15. LINK CABLE

Art. No.	Colour	Weight	Length
8160 0915 0257	Black	3.24 kg/p	25 m



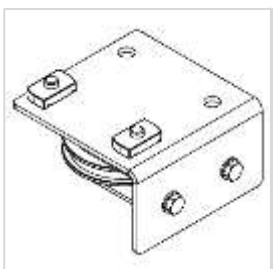
16. POWER CABLE

Art. No.	Colour	Weight	Length
8150 0912 0027	Black	0.44 kg/p	2 m



17.RETURN PULLEY SINGLE TRACK

Art. No.	Colour	Weight
8050 0410 0037	Black	0,95 kg/p



17.RETURN PULLEY DOUBLE TRACK

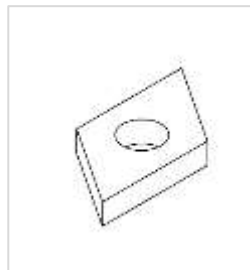
Art. No.	Colour	Weight
8075 0410 0027	Black	1,38 kg/p



18. LIMIT SWITCH SET

Art. No.	Colour	Info
#### #### ####	Green	2 pieces

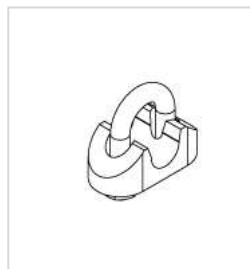
Plug & Play 1



19. DIAMOND-SHAPED NUT

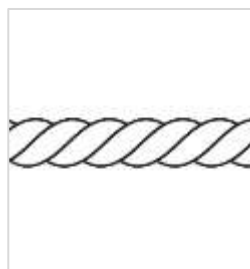
Art. No.	Colour	Weight	Quantity
8700 9224 0011	Inox	0,03 kg/p	2 pieces

For mounting limit switch onto the rail.



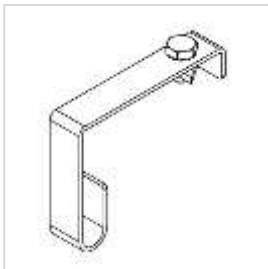
20. CABLE CLAMP SET

Art. No.	Colour	Weight	Quantity
8050 0248 0035	Inox	0,014 kg/p	3 pieces



21. DOUBLE-BRAIDED ROPE

Art. No.	Colour	Weight	Diameter
7530 0308 0007	Black	0.04kg/m	8mm



22. LINE PICKUP

Art. No.
8055 0694 0007

Colour
Black

Info
For use with
double-track
configuration
& +12 metre
track lengths.



23. HIDDEN CEILING CLIP

Art. No.
8055 0110 0017

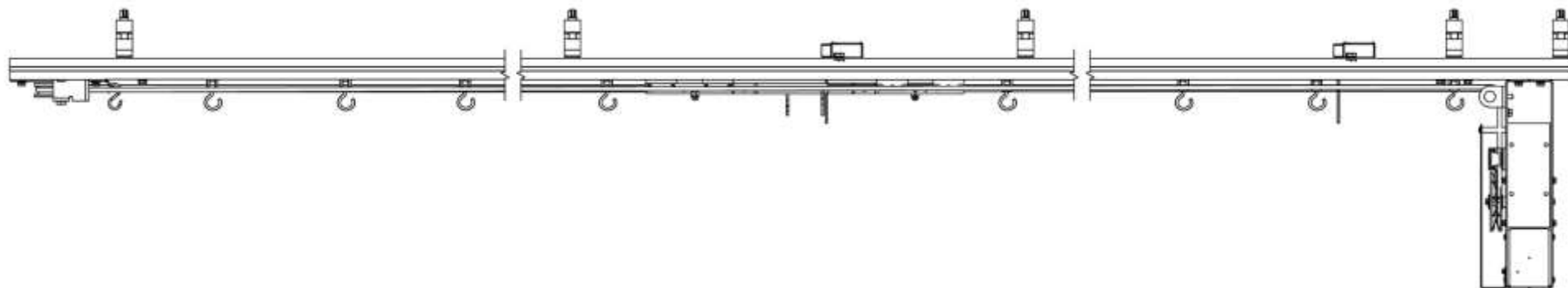
Colour
Black

Capacity
10 kg
Info
Max 1m
distance
between clips

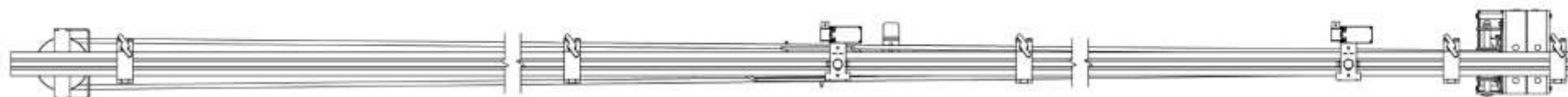
ASSEMBLED SINGLE-TRACK CENTRAL OVERLAP

FRONT, TOP AND BOTTOM PLAN VIEW

1. Front view



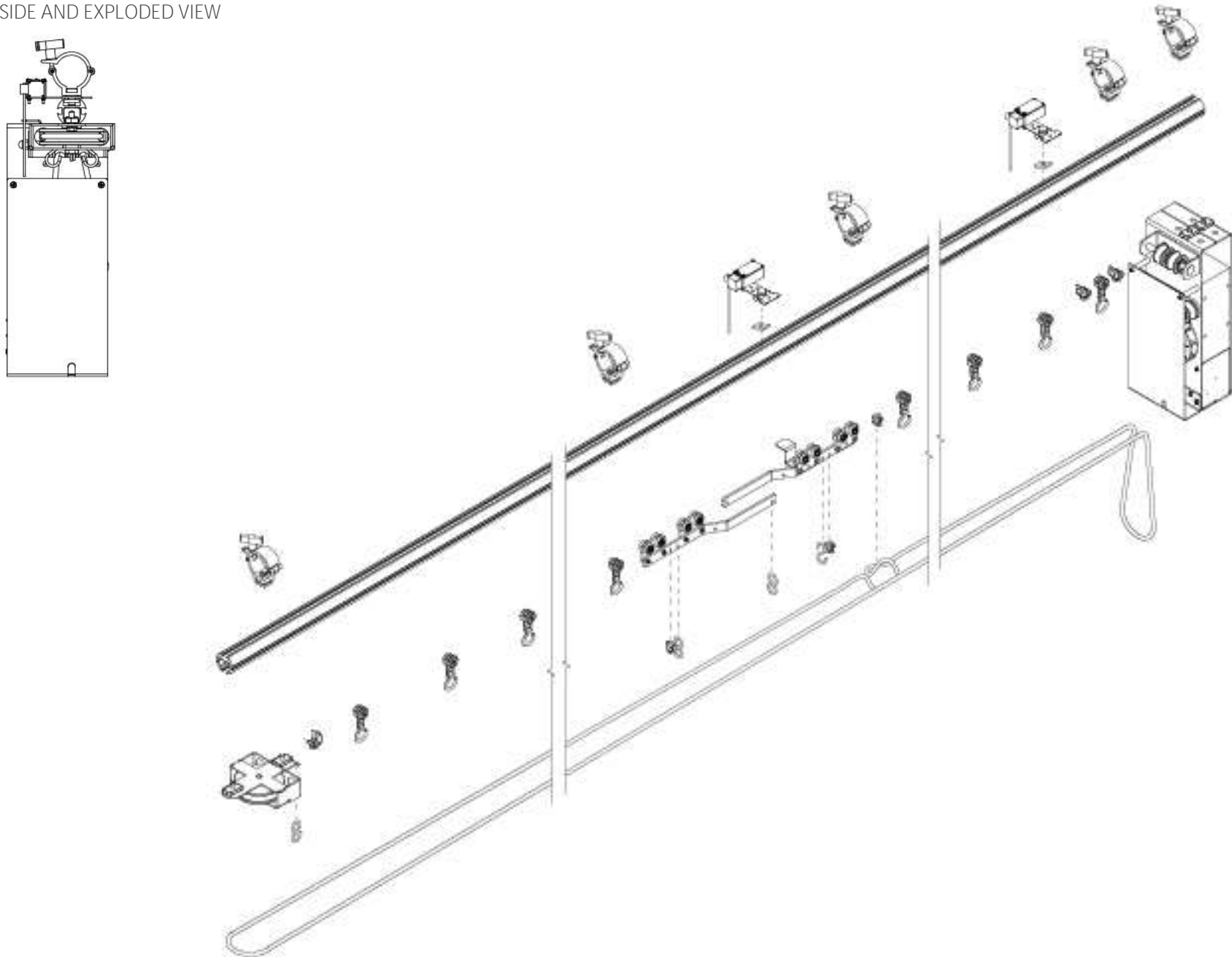
2. Top view



3. Bottom plan view



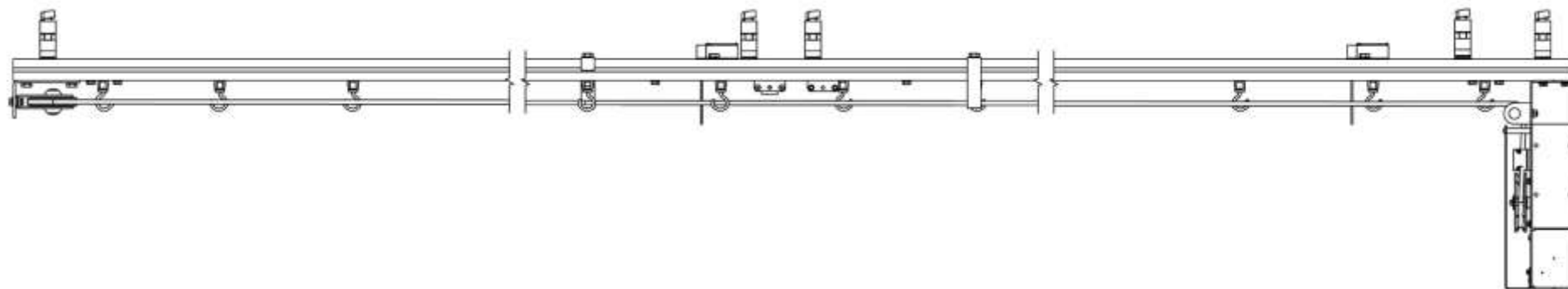
SIDE AND EXPLODED VIEW



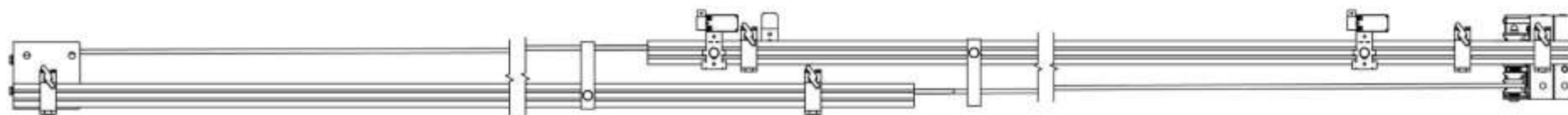
ASSEMBLED DOUBLE-TRACK CENTRAL OVERLAP

FRONT, TOP AND BOTTOM PLAN VIEW

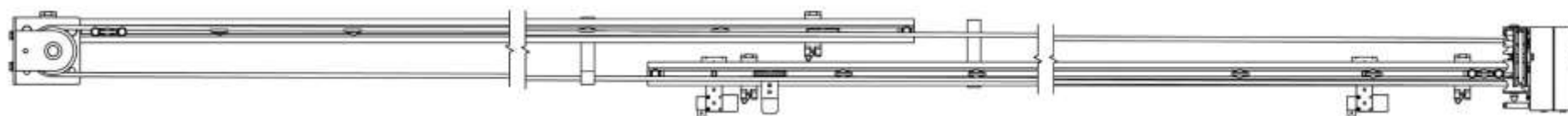
1. Front view



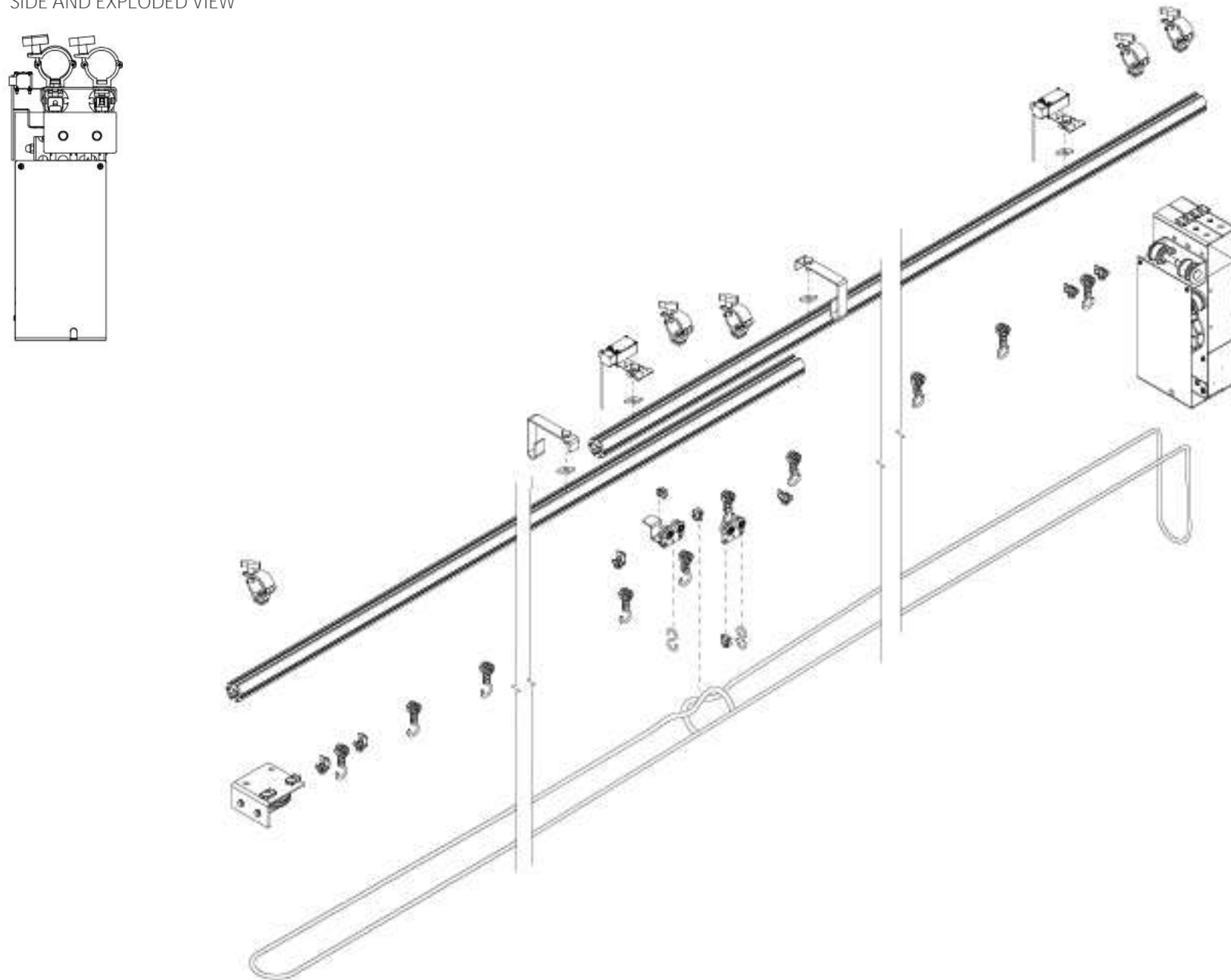
2. Top view



3. Bottom plan view

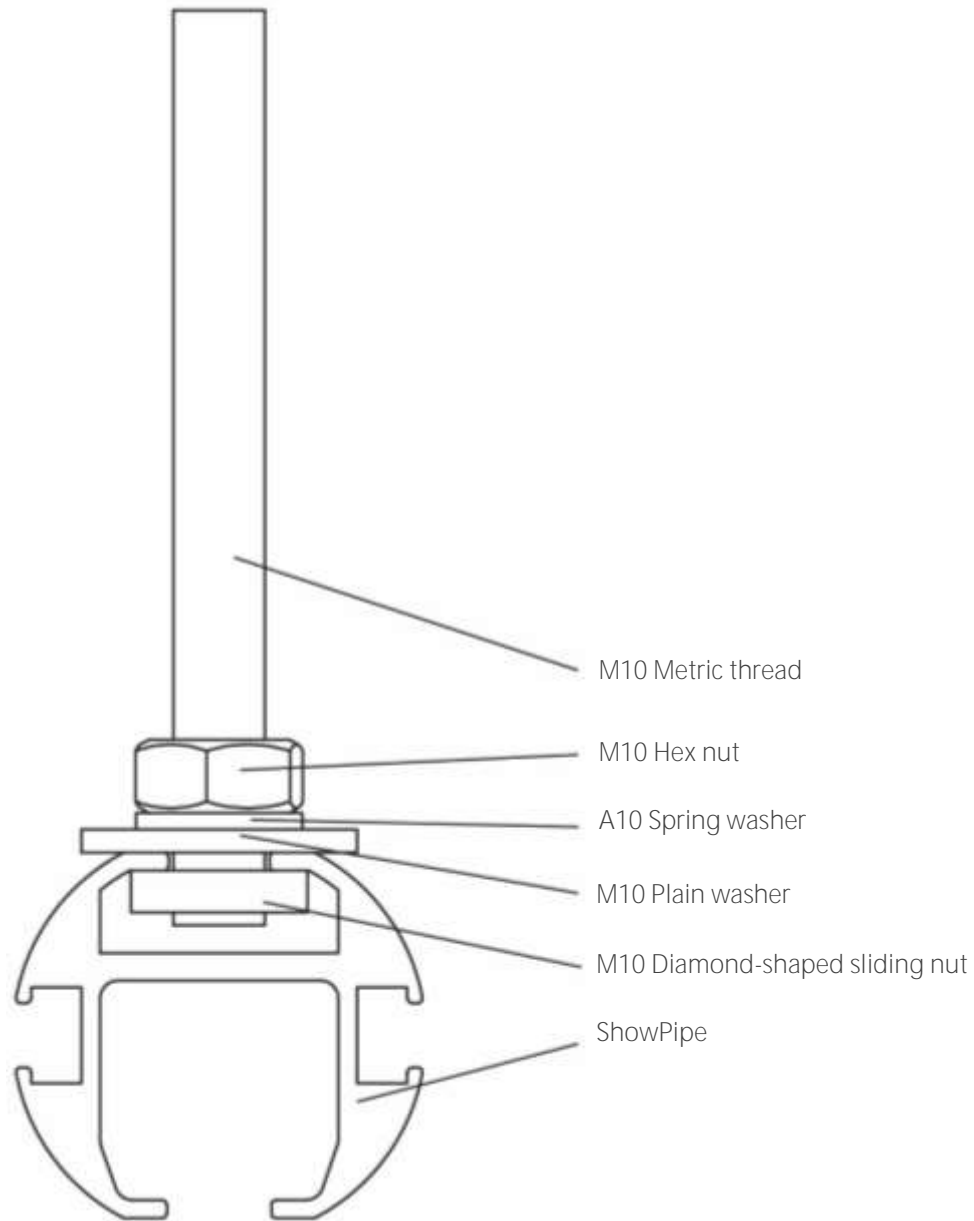


SIDE AND EXPLODED VIEW

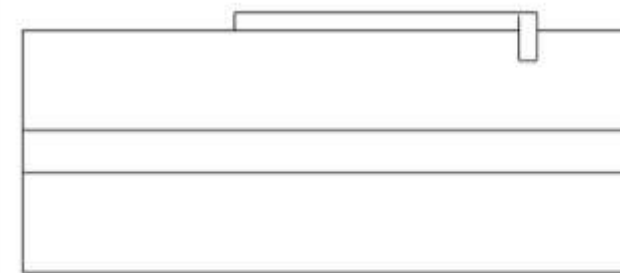
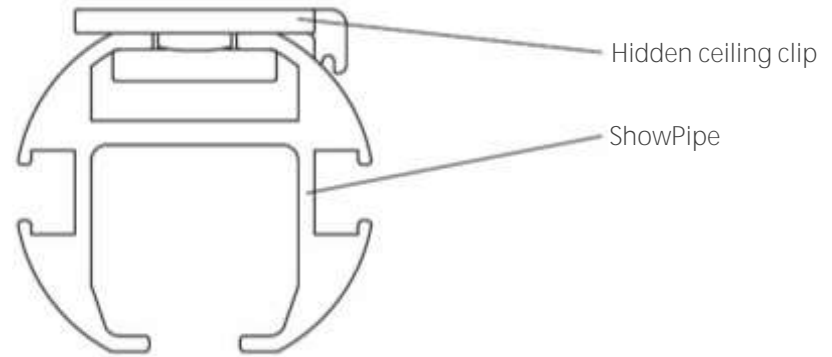


ALTERNATIVE MOUNTING OPTIONS

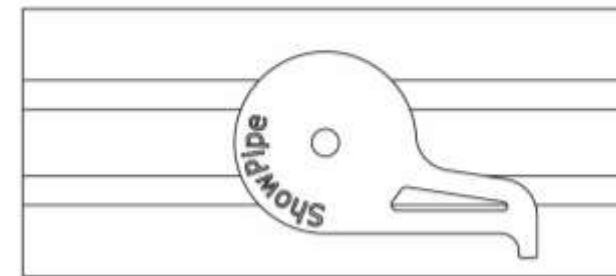
USING METRIC THREAD




USING CEILING CLIPS



Side view



Top view

 Reduce the maximum distance between each mounting point to 1m when using ceiling clips.


INSTALLATION

This chapter provides all required information and steps necessary for installing a ShowPipe rail system motorised by an RTD1000 motor unit. Note that a certain technical knowledge and experience are required to understand this guide and install this product.

 **BE SURE TO CHECK THE “HOW TO ...” CHAPTER FOR CORRECT INSTALLATION OF THE SYSTEM.**

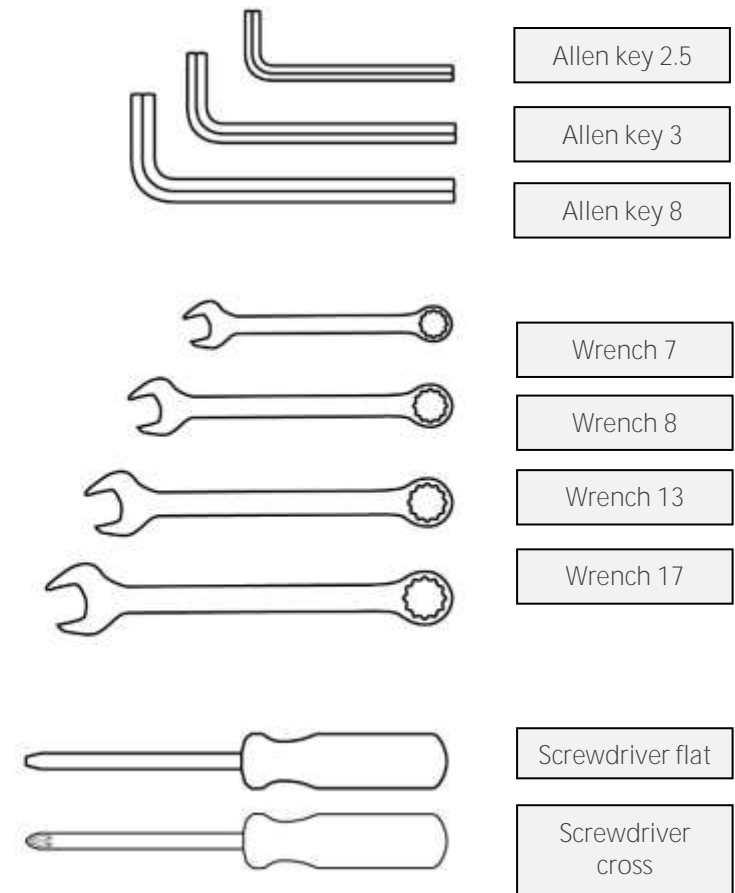
NECESSARY STEPS

1. Determine attachment points & distance between them.
2. Place coupler clamps on rail(s), secure them by hand.
3. Slide joiner set in outer end of each rail.
4. Mount first rail section onto supporting structure & secure clamps to rail.
5. Mount second rail onto supporting structure & secure joiner sets.
6. Repeat step 5 for all other rail sections.
7. Insert 1 runner between 2 end stops (optional).
8. Prepare the RTD motor unit for the correct track setup.
9. Install the RTD motor unit.
10. Insert runners & master or overlap carriers.
11. Insert 2nd end stop or a runner between 2 end stops depending on track configuration.
12. Install return pulley.
13. Install line pick-ups (optional for double track & +12m lengths).
14. Install limit switches.
15. Mount & position limit switches accordingly.
16. Insert double-braided rope accordingly.
17. Tension the operating line.
18. Move master or overlap carriers to centre position of rail or stage.
19. Move rope ends to correct position just behind the master or overlap carrier.
20. Connect rope to master or overlap carriers.
21. Connect limit switches, RTD unit & remote control accordingly.
22. Connect DMX & set DMX address (optional).
23. Check system without curtain & check curtain width.
24. Hang curtain & test again.
25. Connect curtain ends to fixed runner and return pulley (optional).

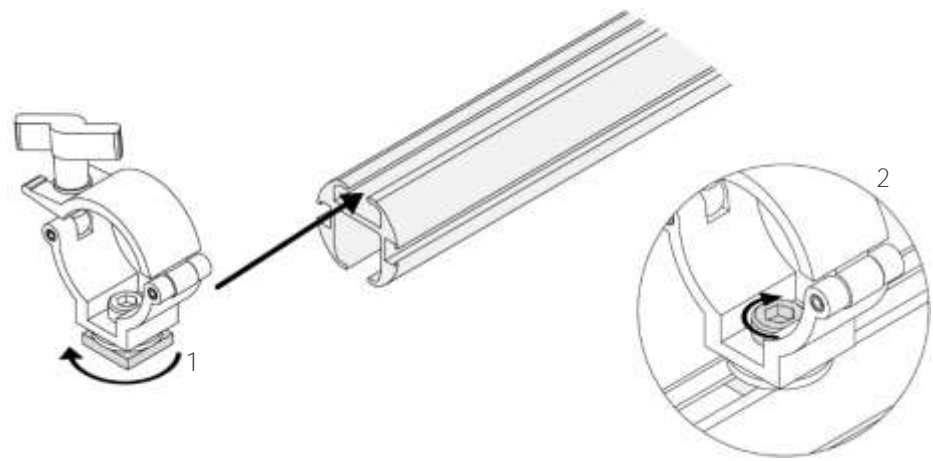
 *When installing a rail between 2 walls, don't forget to attach head & return pulley before securing the rail in the supporting structure!*

NECESSARY TOOLS

The following tools are needed to install the ShowPipe motorised rail track.



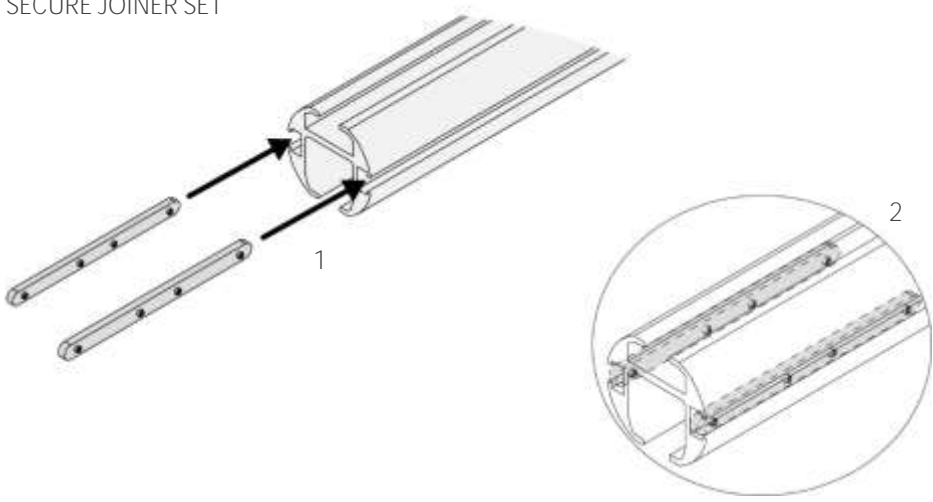
SECURE MOUNTING BRACKETS



1: Loosen the channel nut & slide brackets into the top slit of the rail.

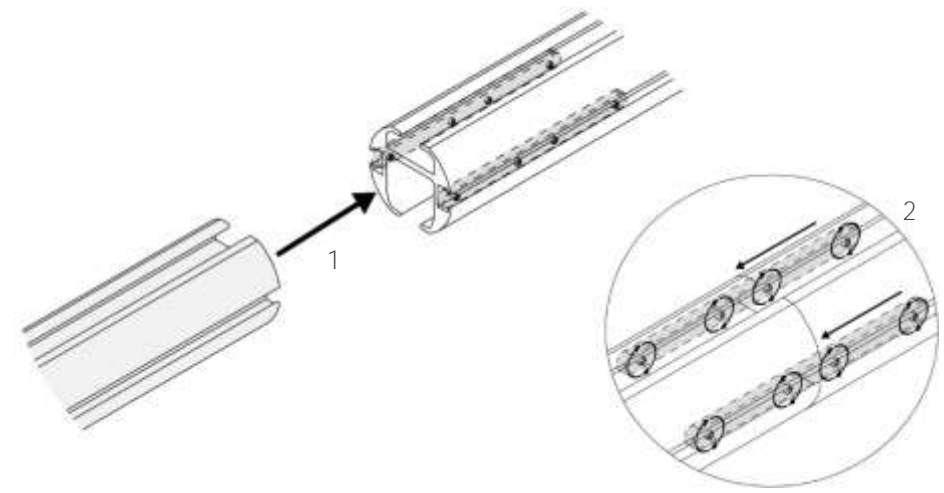
2: Tighten the socket screw.

SECURE JOINER SET



1: Slide the joiner plates all the way into the side slits of the rail.

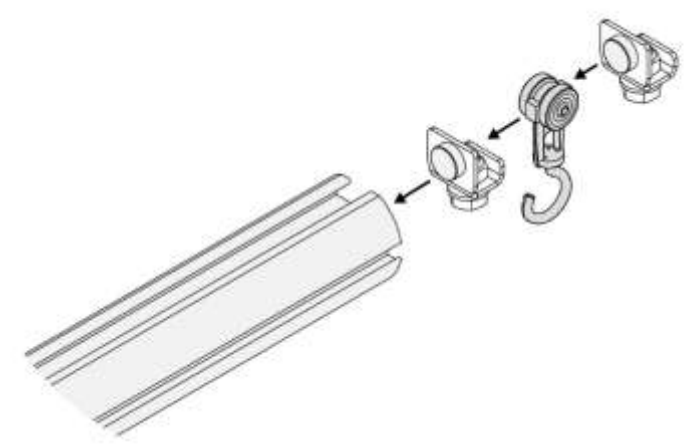
2: **Don't secure them at this point.**



3: Take the 2nd piece of rail and align with the 1st piece of rail.

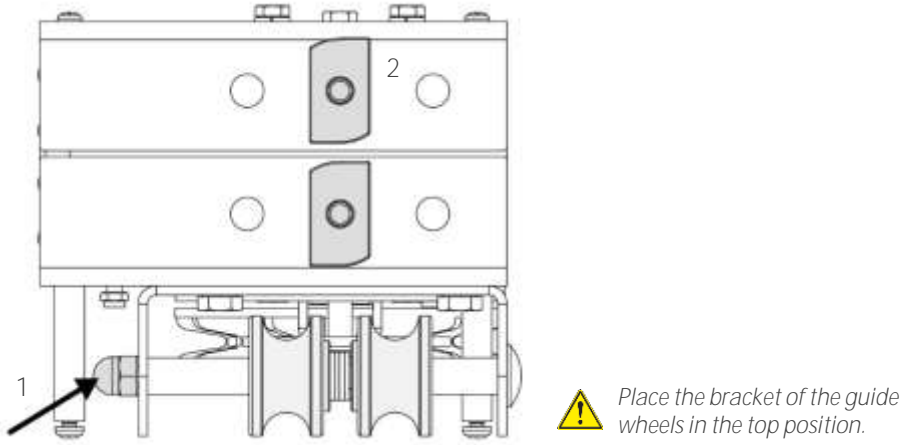
4: Slide the plates halfway over the connection and tighten the socket screws.

INSERT ONE RUNNER BETWEEN TWO END STOPS



1: Refer to page 9 (single-track configuration) or 11 (double-track configuration) in order to insert accordingly.

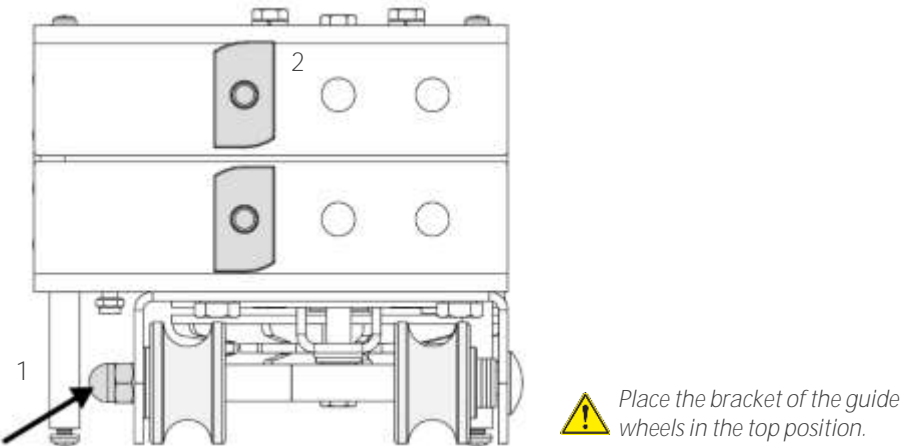
PREPARE THE RTD 1000 UNIT: SINGLE-TRACK CONFIGURATION



1: Unfasten bolt, place guide wheels in the correct position & reattach bolt.

2: Place the channel nuts (M10) on the top of the unit in the correct position.

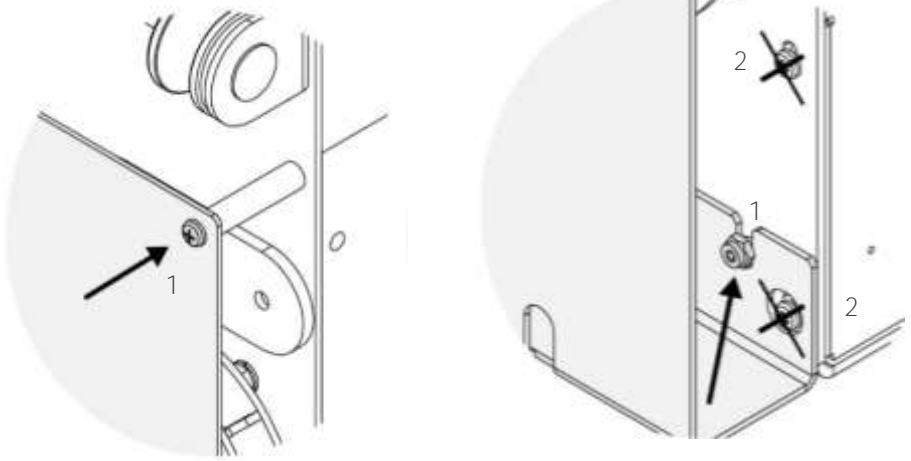
PREPARE THE RTD 1000 UNIT: DOUBLE-TRACK CONFIGURATION



1: Unfasten bolt, place guide wheels in the correct position & reattach bolt.

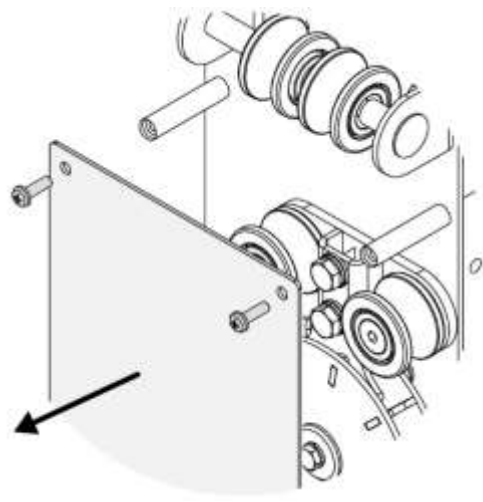
2: Place the channel nuts (M10) on the top of the unit in the correct position.

REMOVE THE PROTECTION PLATE



1: Unfasten the screws & hex nuts holding the protective plate in place.

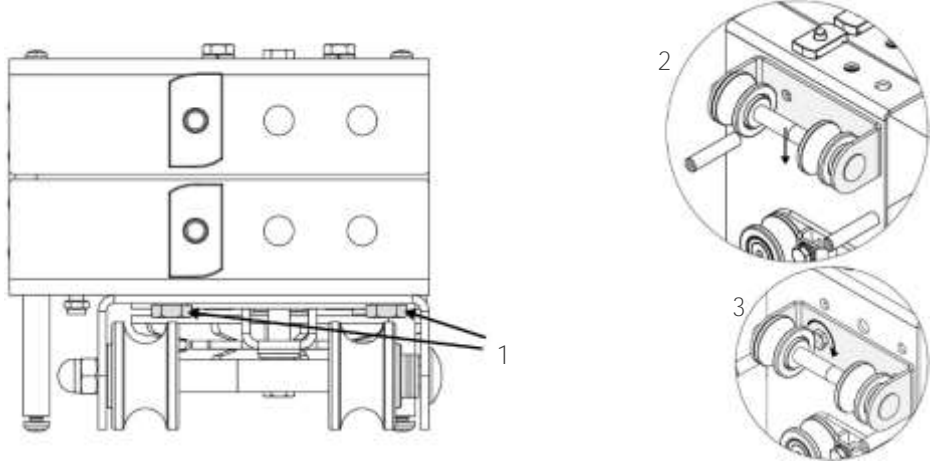
2: Do not remove the screws crossed out in the drawing above.



3: Remove the protective plate.

4: **Don't throw** it away, put the plate back on after threading the rope.

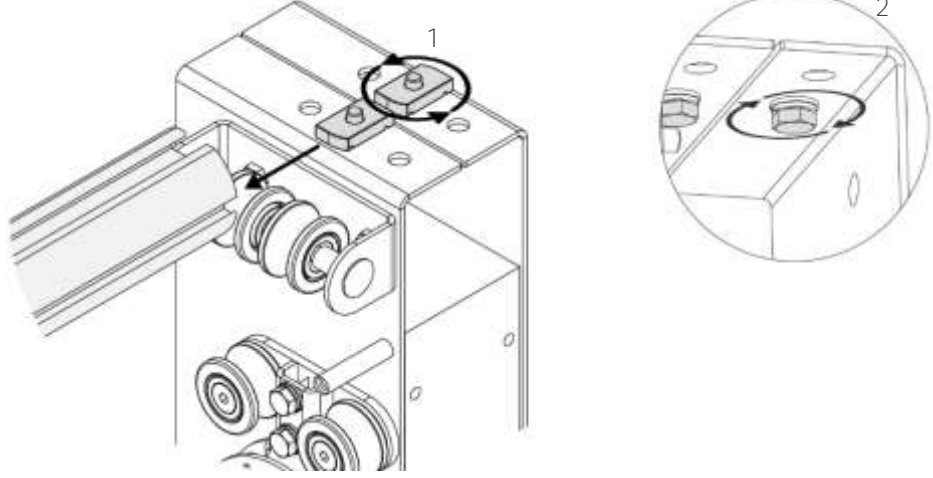
LOWER THE UPPER GUIDE WHEELS (ONLY FOR DOUBLE-TRACK CONFIGURATION)



1: Loosen both bolts & lower the guiding wheels to the correct position.

2: Fasten the bolts hand tight, give an extra 1/2 turn to secure.

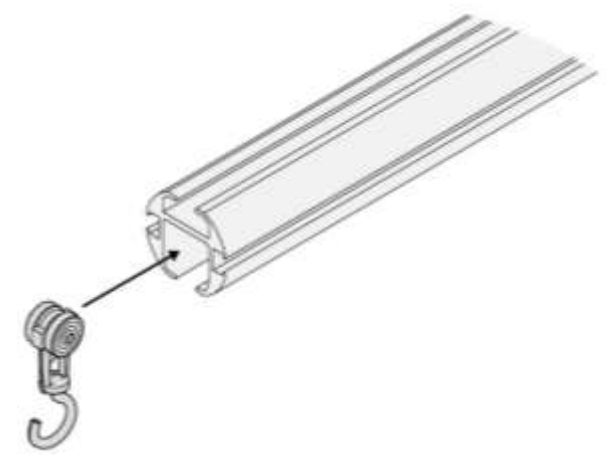
INSTALL RTD 1000 UNIT



1: Loosen both channel nuts and slide the motor into the rail.

2: Tighten both bolts (M10), give an extra 1/2 turn to secure.

INSERT RUNNERS AND / OR MASTER CARRIERS

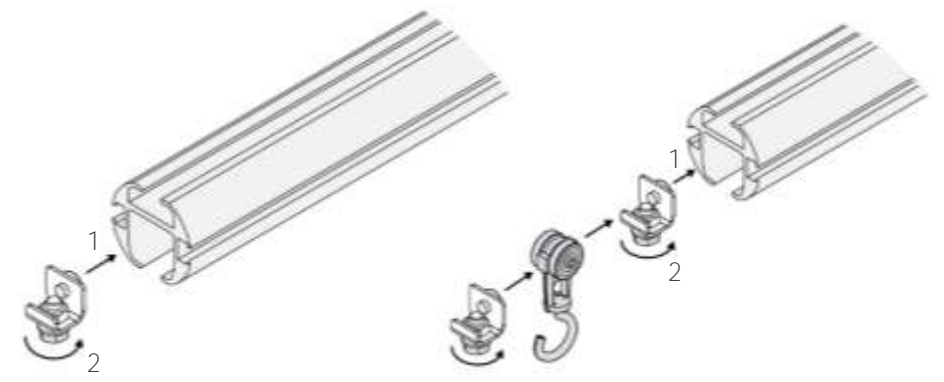


1: Refer to page 9 (single-track configuration) or 11 (double-track configuration) in order to insert the runners & carriers accordingly.

INSERT 2ND END STOP OR A RUNNER BETWEEN 2 END STOPS.

⚠ SINGLE-TRACK CONFIGURATION

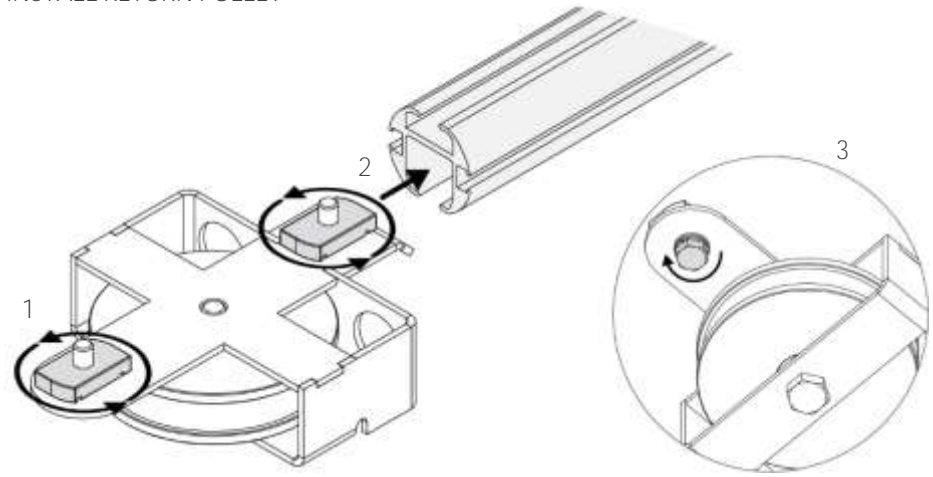
⚠ DOUBLE-TRACK CONFIGURATION



1: Make sure the rubber muffler faces the runners and or master carriers.

2: Fasten the bolt (M8) hand tight, give an extra 1/2 turn to secure.

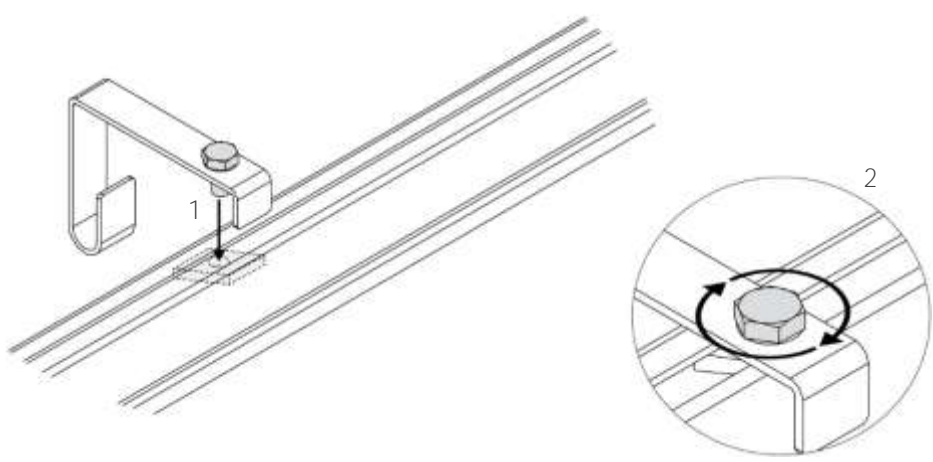
INSTALL RETURN PULLEY



1&2: Loosen both channel nuts (M8) & slide the pulley into the rail.

3: Tighten both bolts (M8), give an extra ½ turn to secure.

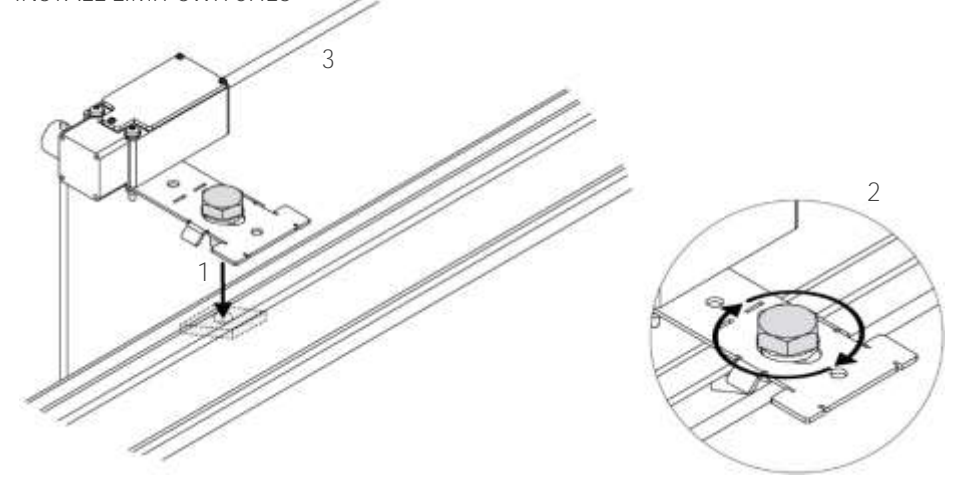
INSTALL LINE PICKUPS



1: Use the diamond-shaped channel nuts to mount the pickups onto rail.

2: Fasten the bolts (m6) hand tight, give an extra ½ turn to secure.

INSTALL LIMIT SWITCHES

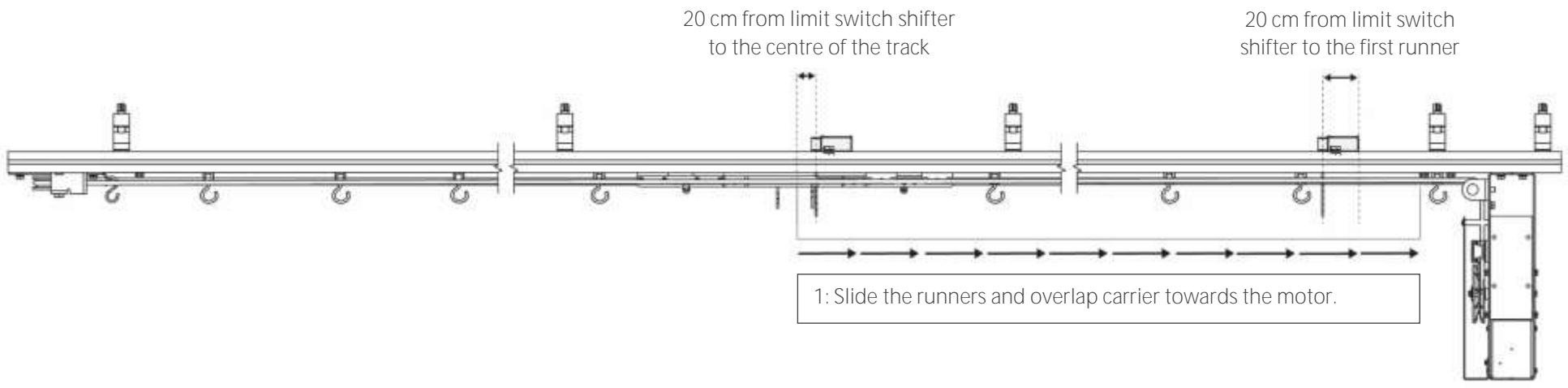


1: Use the diamond-shaped channel nuts to mount the switches onto rail.

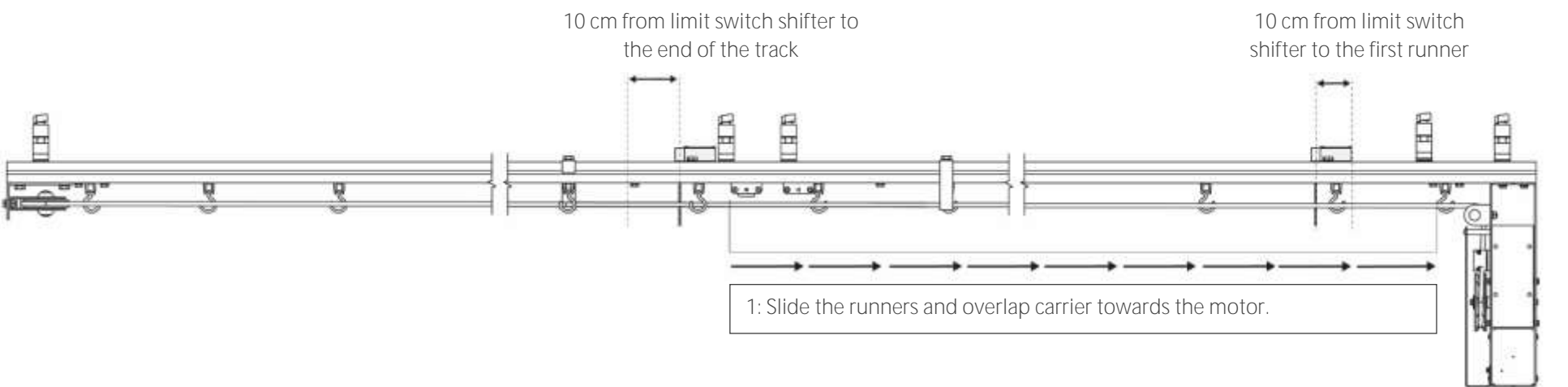
2: Make sure the plug of the link cable faces the motor unit.

3: Fasten the bolts (m6) hand tight, give an extra ½ turn to secure.

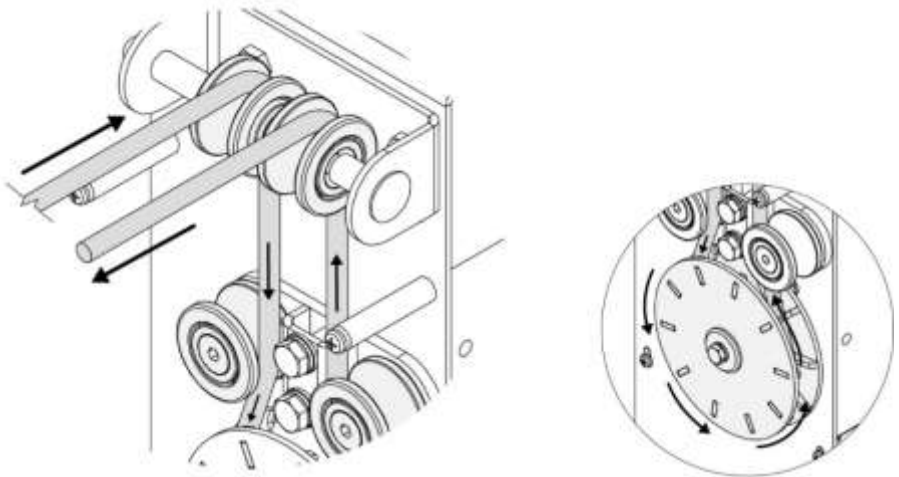
POSITIONING THE LIMIT SWITCHES: SINGLE-TRACK CONFIGURATION



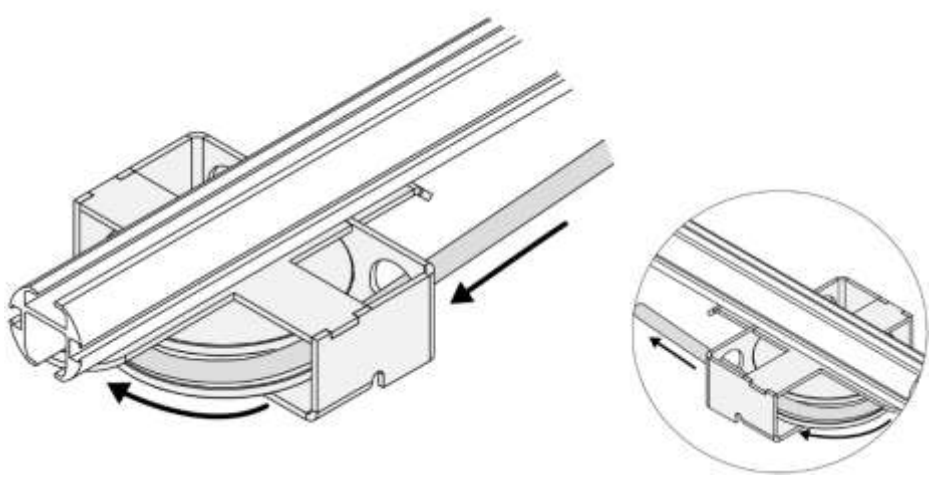
POSITIONING THE LIMIT SWITCHES: DOUBLE-TRACK CONFIGURATION



GUIDE THE DOUBLE-BRAIDED ROPE

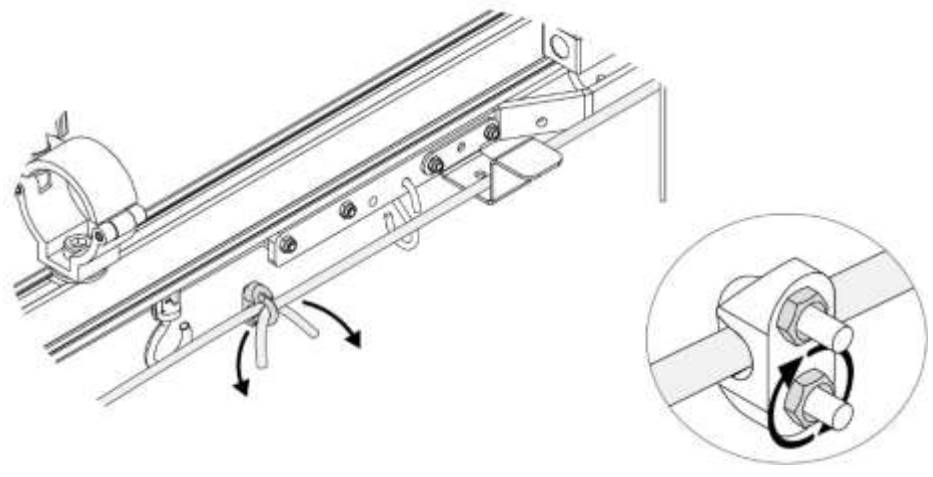


- 1: Thread the rope through the motor, starting on the front side of the rail.
- 2: Take the returning end of the rope & walk to the return pulley.

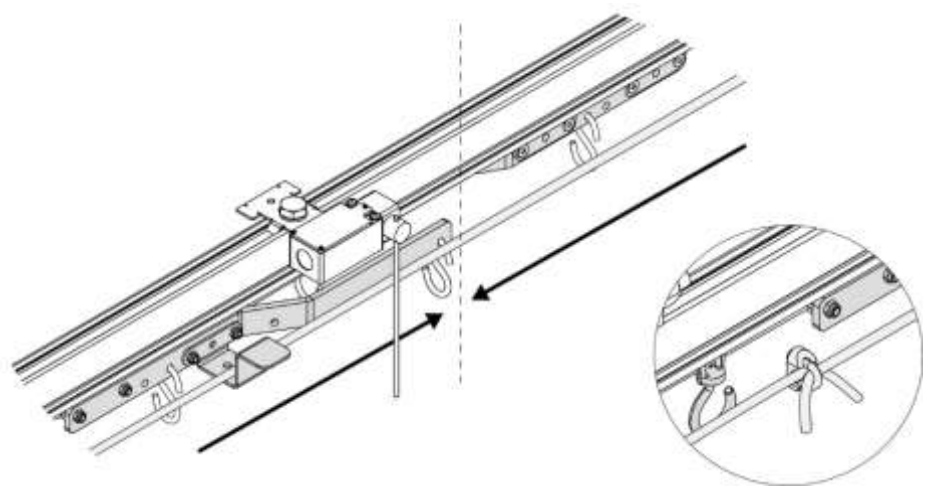


- 3: Pull the returning end of the rope through the return pulley.
- 4: Take the rope and walk back towards the motor unit.

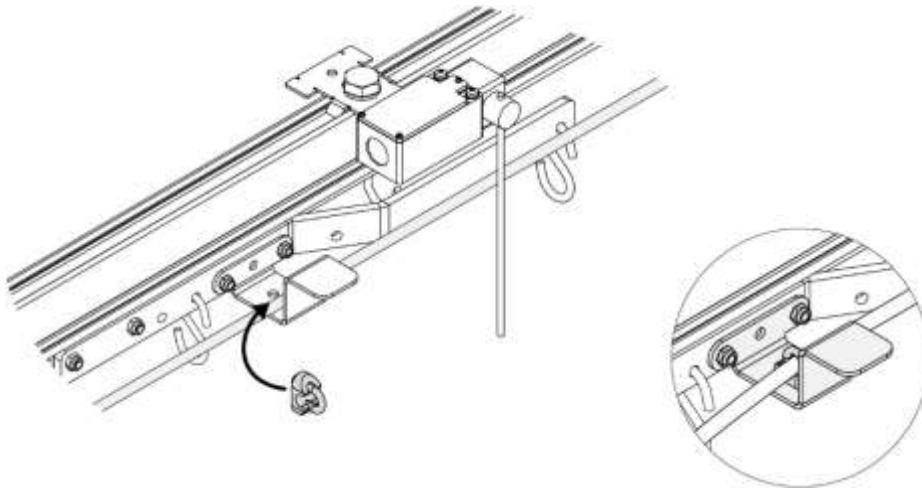
SECURE THE DOUBLE-BRAIDED ROPE



- 1: Connect the rope ends using the first rope clamp.
- 2: Adjust the tension of the operating line by tightening the knot.

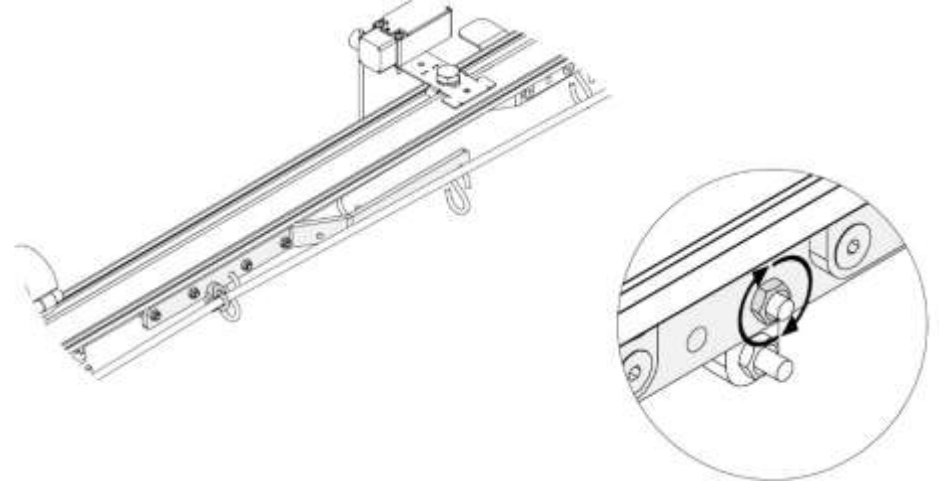


- 3: Bring the (overlap) carriers to the centre position of the rail or stage.
- 4: Bring the rope ends back together just behind the (overlap) carrier.



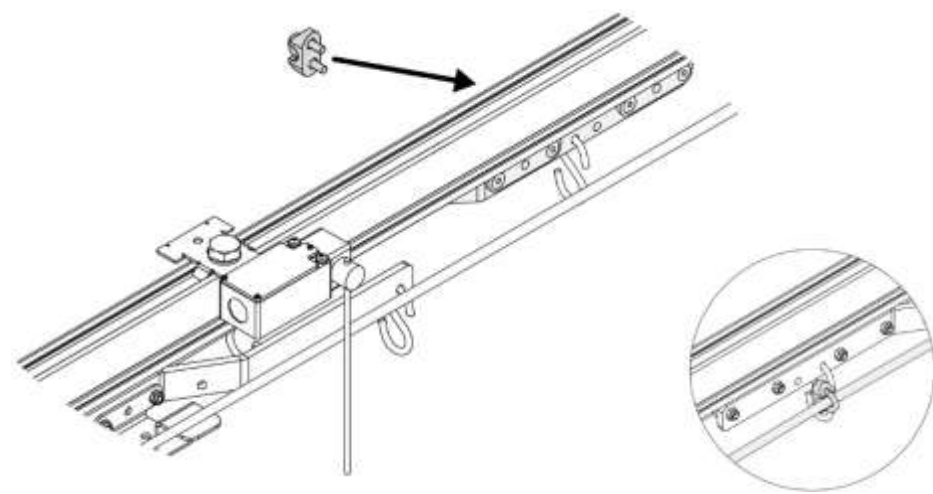
5: Use the 2nd rope clamp to attach the operating line to the first (overlap) carrier.

6: Tighten both nuts of the clamp firmly to prevent the rope from slipping away.



9: Loosen & remove the upper nut in order to attach the clamp to the carrier.

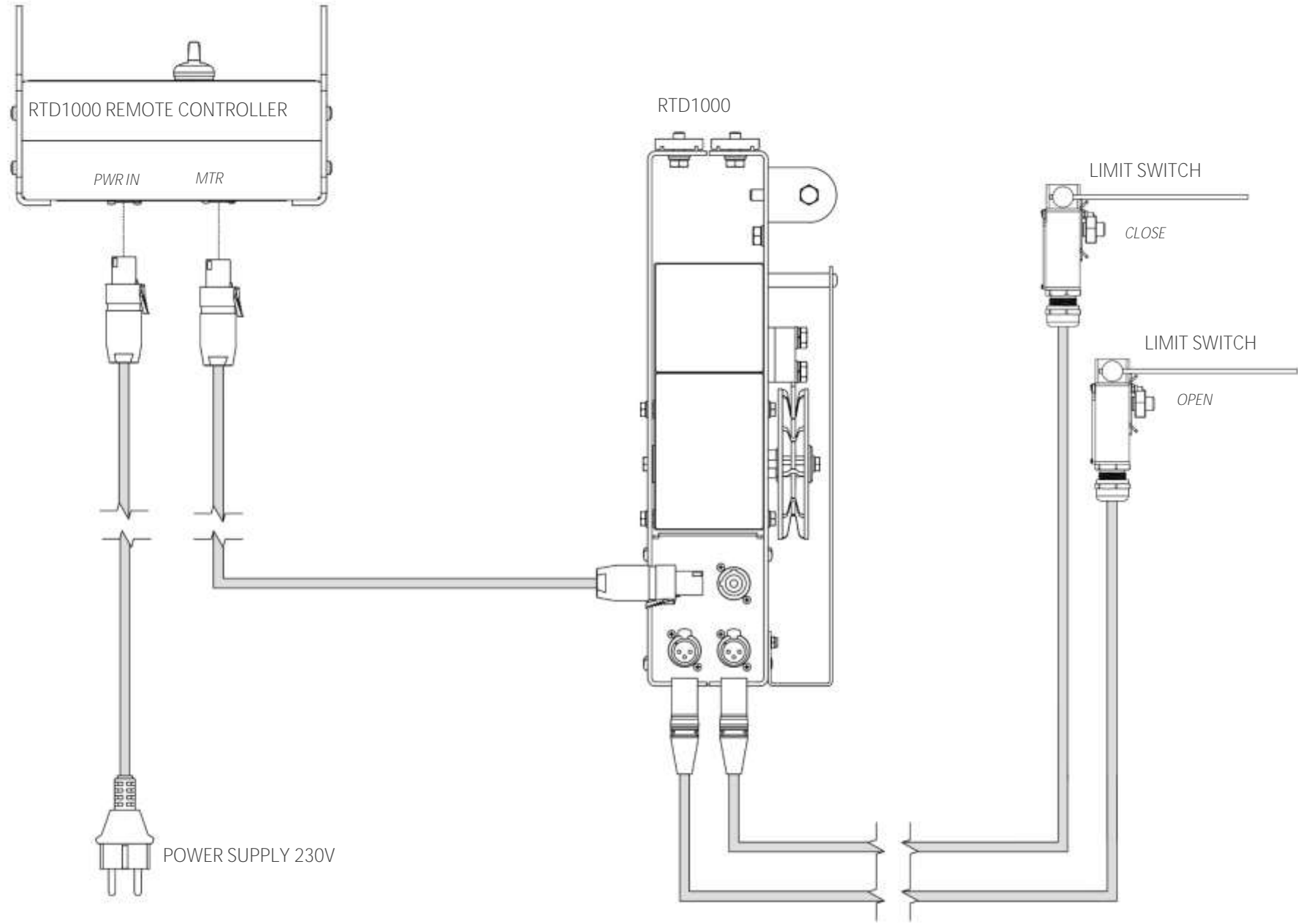
10: Secure the clamp to the carrier by tightening the upper nut.



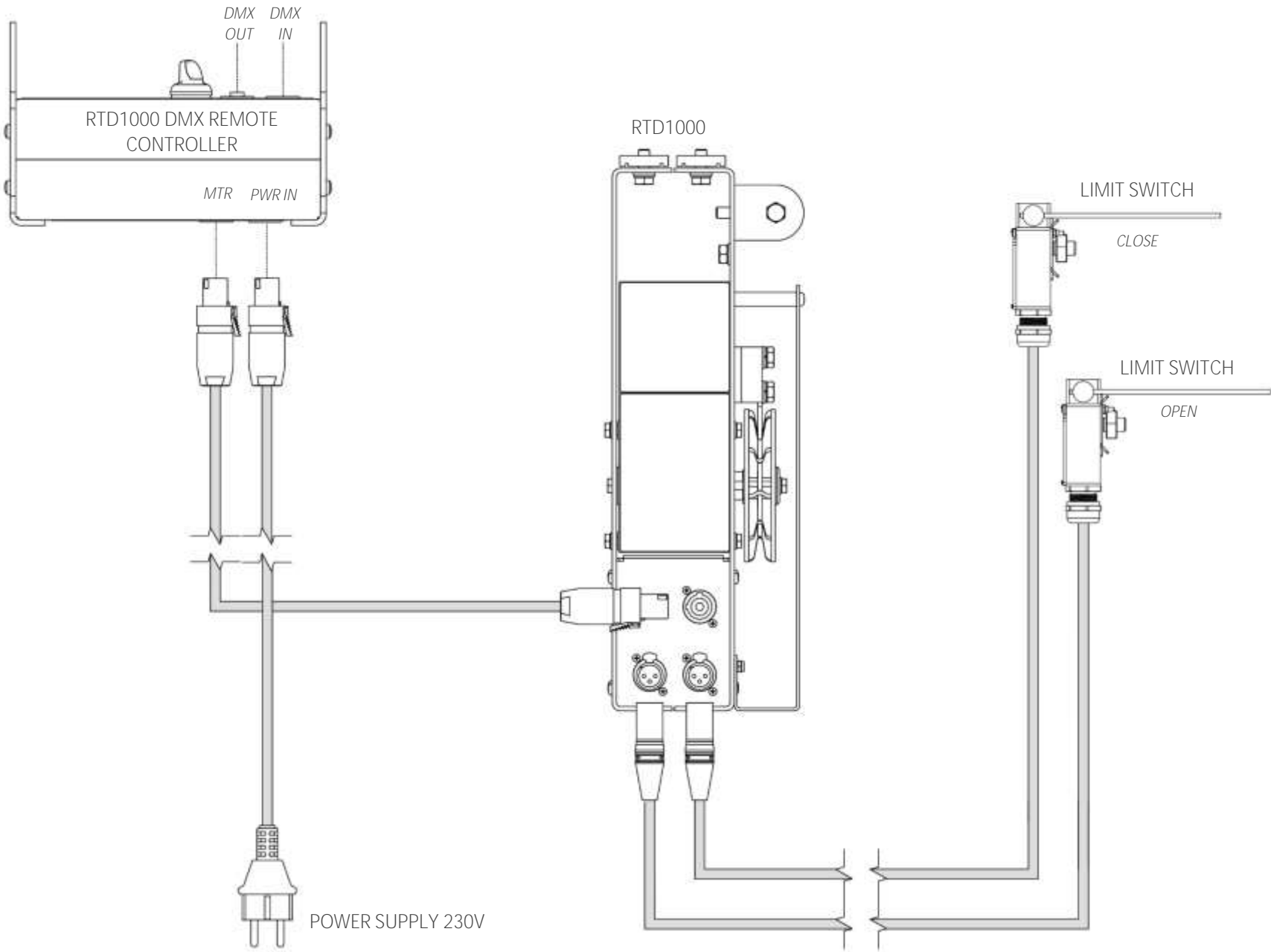
7: Use the 3rd clamp to attach the returning rope to the second (overlap) carrier.

8: Use the lower nut of the clamp to secure the rope to the clamp.



CONNECT THE LIMIT SWITCHES, RTD UNIT AND REMOTE CONTROL

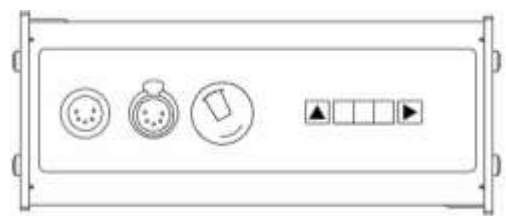


CONNECT THE LIMIT SWITCHES, RTD UNIT AND REMOTE CONTROL FOR DMX SETUP







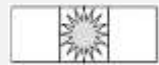



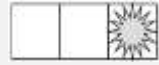




SET UP THE DMX MODULE




-  Scrolling thru the menu.
-  Changing the display.

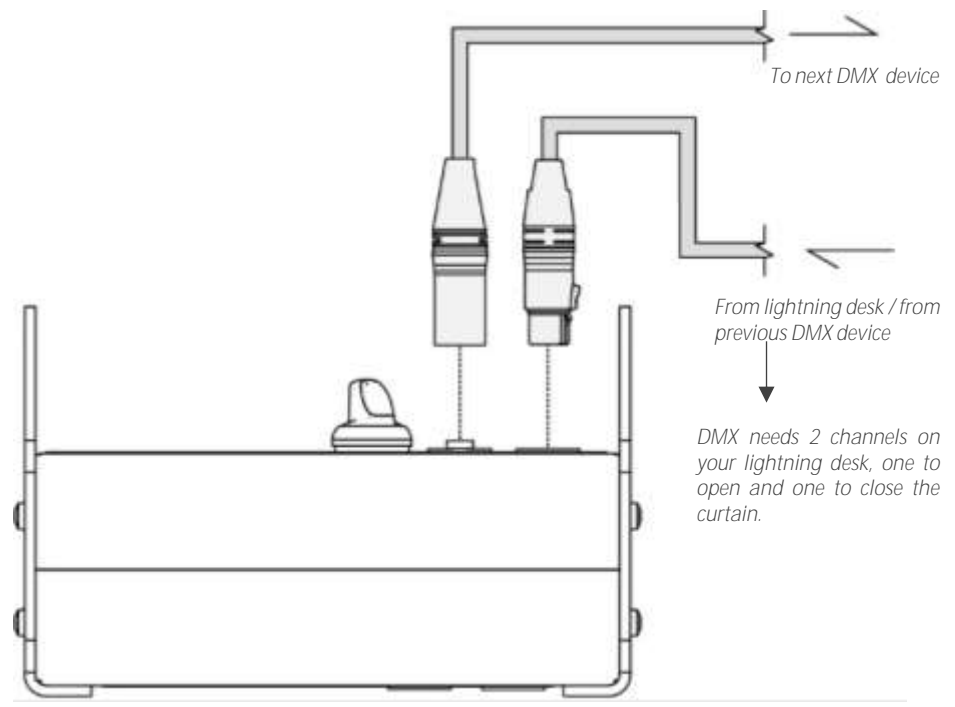


 DMX overrides manual control

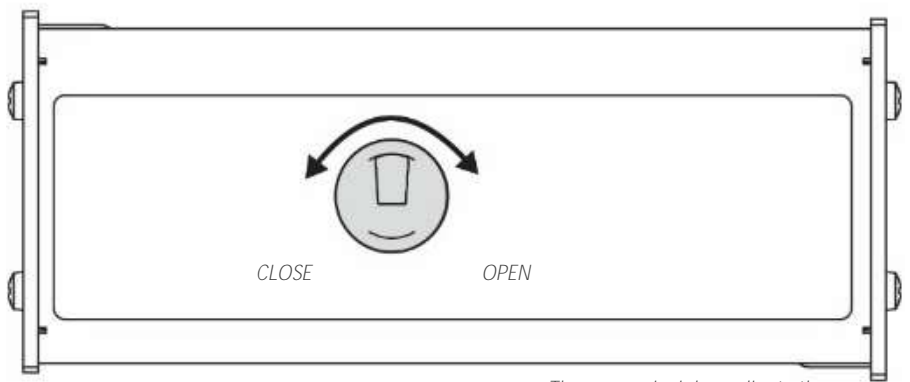
SETTING OF THE DMX VALUE		
Push 1x		On the display appears Adr (after 3 sec the display will turn off). Each DMX address has 3 values.
Push 1x		<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;">The first digit will start blinking (after 5 sec the display will turn off)</div> </div>
	Push on 	To change the value from 0 to 9 (jumps back to 0 after 9)
	Confirm with 	
Push 1x		<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;">The second digit will start blinking (after 5 sec the display will turn off)</div> </div>
	Push on 	To change the value from 0 to 9 (jumps back to 0 after 9)
	Confirm with 	
Push 1x		<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;">The third digit will start blinking (after 5 sec the display will turn off)</div> </div>
	Push on 	To change the value from 0 to 9 (jumps back to 0 after 9)
	Confirm with 	
Confirmation of the setting, wait until REC appears on the display.		
The second channel will automatically follow the start address.		

SCROLLING THRU THE MENU

Push on 	to scroll thru the menu
Adr >>>	setting of DMX address
S1	Not applicable, has to be set to OFF
S2	To change, push on  choose between ON and OFF) and confirm with 
S3	
S4	(the display will turn off after 5 sec and the last setting will be saved)
DIS	



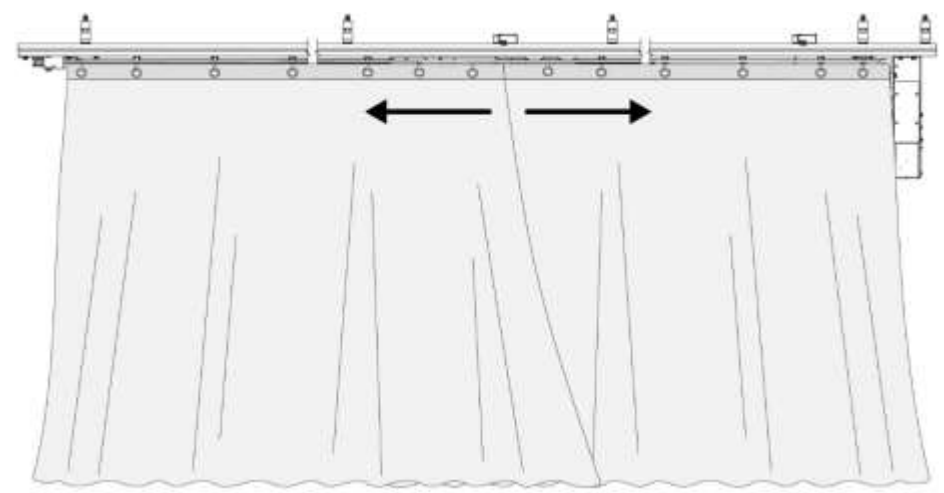
INSTALL CURTAIN



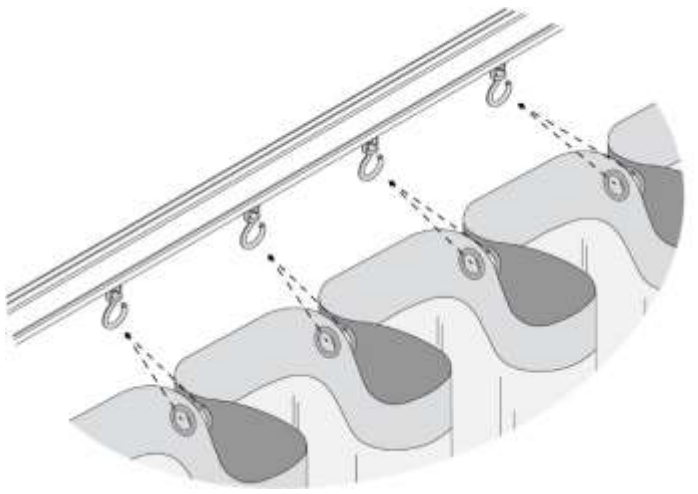
RTD 1000 remote controller

The same principle applies to the RTD 1000 DMX BASIC remote controller

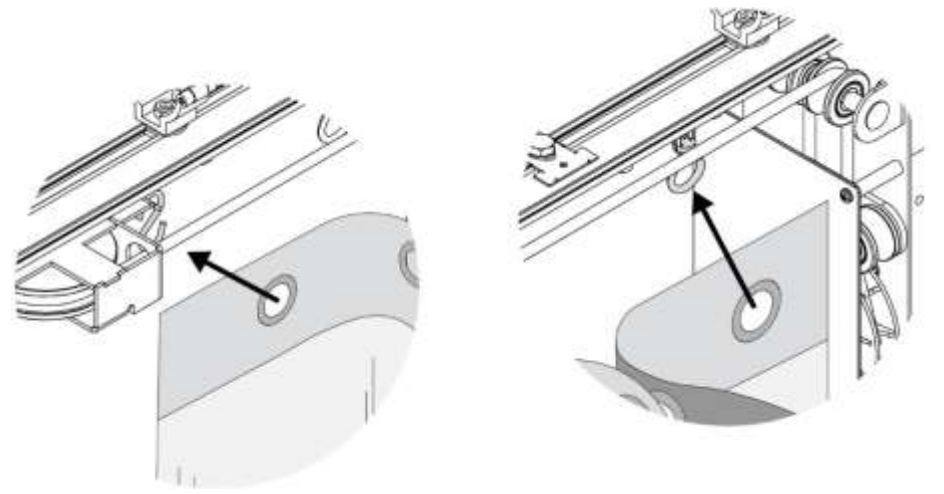
1: Check if the limit switches are plugged into the correct input (trail and error) & if the (overlap) carriers are in line with the centre of the rail or stage. Then use the remote control to open and close the system, if the (overlap) carriers end up at the same point as they started, your system is properly installed.



3: Hang the curtain and do a final check-up of the rail system and curtain width, perform the test using the same method as described in the first step of this chapter.



2: In order to create a pleated curtain you must take two grommets together and attach them to the same swivel hook. When you ordered a flat curtain, simply attach each grommet to a separate swivel hook.



4: Attach one curtain end to the return pulley using an S-hook and attach the other end to the runner between the end stops. This will keep your curtain in place.

CARE AND MAINTENANCE



Periodic, regularly scheduled maintenance inspections are necessary for any mechanical system. A theatrical curtain track system is no different. It has components that must be inspected, adjusted, maintained and replaced. In order to keep your system safe and in good working order, a regular inspection and maintenance program must be implemented.

Follow the schedule outlined below as a minimum maintenance programme. Once the operating personnel has had an opportunity to work with the system during the **first year, certain measures may be added or adjusted depending on your facility's requirements.**

ITEM	w	m
Operate curtain tracks	x	
Listen for unusual carrier noise	x	
Check if curtain tracks are operating smoothly		x
Inspect conditions of operating line		x
Inspect operating line tension		x
Listen for unusual pulley noise		x
Inspect master carriers and cord clamps		x
Inspect curtain to carrier attachment		x
Inspect track joints for alignment		x
Inspect track channel for debris		x
Inspect attachment of track to building structure		x

*W = every week

*M = every 6 months

Within 24hours of using a recently installed system, confirm if the rope is tensioned correctly for curtain movement

The best way to maintain your theatrical curtain track system, including the RTD motor unit, is by using it regularly. This will keep the grease properly distributed and allow the inspector to regularly check for unusual noise or drag in the system. Above-average use or operating the curtain track at locations subject to high humidity, dust, extreme temperature changes, etc. may require shorter intervals than indicated in the scheduled programme outlined above.

TROUBLE SHOOTING

Please perform the following steps if:

THE CURTAIN STOPS MOVING SMOOTHLY

1. Check if objects are obstructing the track.
2. Check for damage to the track, repair if this is the case.
3. Check for debris on the track or runners, if found, remove carefully.
4. Check for damaged runners, replace if applicable.
5. Check that all couplers are aligned without gaps, if not, align them.
6. The joints between tracks should not be too loose nor too tight to avoid a bent track.
7. If the curtain slides out of the track, check if the end stops are loose or missing. If necessary, tighten or replace.
8. If your track has a switching point, check that all parts are correctly aligned. If not, adjust alignment.
9. If the curtain blocks after triggering the limit switch, disconnect the XLR plugs from the motor and reconnect to the other outlet.

CONTACT & SUPPORT

For more technical assistance, please contact your local ShowTex branch, the address and contact information can be found on our website: www.showtex.com

Have a great show!