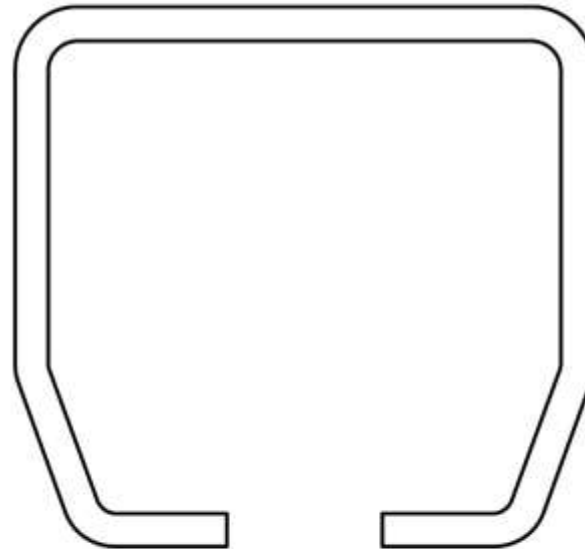


RAIL H100

MANUAL MOVEMENT



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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 H100 rail 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

The H100 is an all-round, multifunctional and budget-friendly rail system for medium-heavy to heavy curtains which can be controlled manually, by rope or electrically. The system is compatible with our RTD motor range and can be controlled by the DMX communication protocol. It is the ideal track for television studios and medium-sized venues or theatres.



Beware, this manual only covers the manually controlled H100 rail system.

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 1,5 m. Allow for extra points in the curtain storage area to support the extra weight of the curtain when gathered together. Be sure to read the technical specifications chapter for more detailed information.

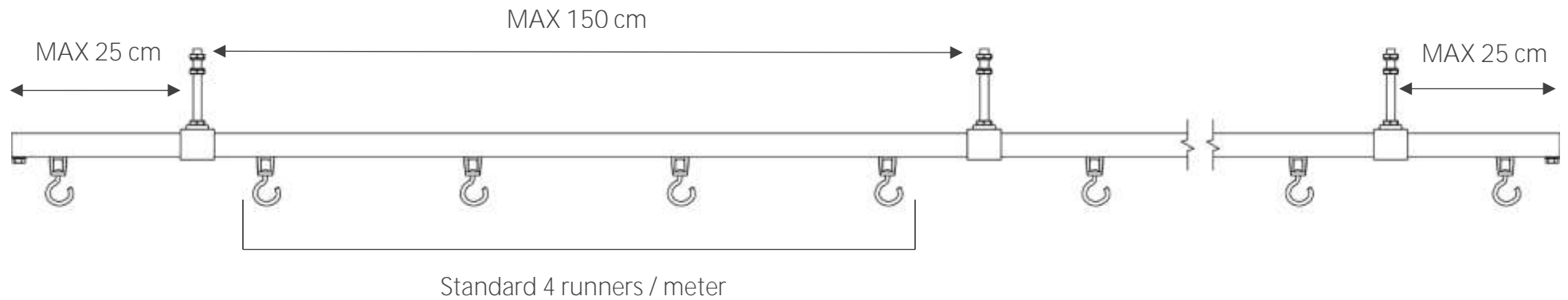
Do not allow any item to be operated or used when in doubt about the safety or good working order to avoid accidents and injuries. Most accidents are the result of lack of training, carelessness and overconfidence, do not assume anything.

Do not use this rail system for any other purpose than hanging and moving stage curtains or decorative elements provided to you by a trained ShowTex sales member.

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

MAX. LOAD & DISTANCE

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



Allow for extra suspension points in the curtain storage area to support the extra weight of the curtain when gathered together!

Art. No.	Description	SWL	Point load between 1.5 m suspension points	Uniformly distributed load between 1.5 m suspension points
8050 0001 6007	Track section	x	61 kg	112 kg
8050 0205 0087	Ball-raced runner	8 kg	x	x
8050 0221 0167	Master carrier	15 kg	x	x

TECHNICAL SPECIFICATIONS

The following components are part of the manually controlled H100 rail system.


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

For more technical information please refer to the technical datasheet.

COMPONENTS

LEGEND

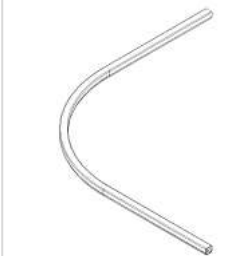
/m	Weight per meter
/p	Weight per piece
/s	Weight per set



1. TRACK

Art. No.	Colour	Weight	Length
8050 0001 6001	Galvanized	1.34 kg/p	600 cm
8050 0001 6007	Black	1.34 kg/p	600 cm

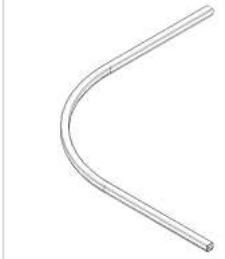
Custom colour on demand



2. CURVED TRACK 45°

Art. No.	Colour	Weight	Radius
8050 0004 0657	Black	1.85 kg/p	65 cm
8050 0004 1007	Black	2.66 kg/p	100 cm

Custom radius & colour on demand



3. CURVED TRACK 90°

Art. No.	Colour	Weight	Radius
8050 0007 0507	Black	1.95 kg/s	50 cm
8050 0007 1007	Black	4.88 kg/s	100 cm
8050 0007 2007	Black	4.276 kg/s	200 cm

Custom radius & colour on demand



4. COUPLING

Art. No.	Colour	Weight	Info
8050 0040 0801	Galvanized	0.24 kg/p	
8050 0040 0807	Black	0.24 kg/p	
8050 0040 0811	Galvanized	0.24 kg/p	For use in combination with ceiling bracket
8050 0040 0817	Black	0.24 kg/p	



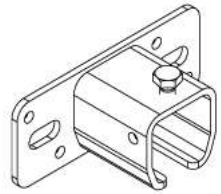
5. CEILING BRACKET

Art. No.	Colour	Weight
8050 0110 0001	Galvanized	0.18 kg/p
8050 0110 0007	Black	0.18 kg/p




6. WALL BRACKET

Art. No.	Colour	Weight
8050 0100 0001	Galvanized	0.14 kg/p
8050 0100 0007	Black	0.14 kg/p



7. HORIZONTAL WALL BRACKET

Art. No.	Colour	Weight
8050 0100 0037	Black	0.14 kg/p




11. BALL-RACED RUNNER

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



8. VERTICAL WALL BRACKET

Art. No.	Colour	Weight
8050 0100 0057	Black	0.14 kg/p



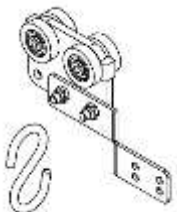
12. BALL-RACED MASTER CARRIER

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



9. BRACKET + M10 STUDDING

Art. No.	Colour	Weight	Height
8050 0130 0101	Galvanized	0.18 kg/p	10 cm
8050 0130 0107	Black	0.18 kg/p	10 cm




13. SHORT OVERLAP CARRIER

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



10. END STOP

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



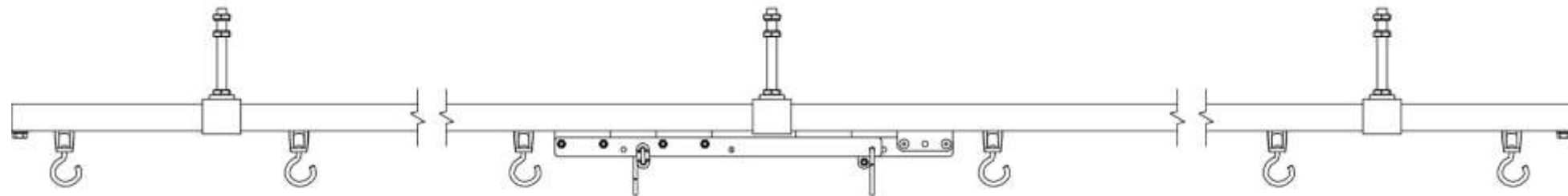
14. OVERLAP CARRIER SET

Art. No.	Colour	Weight	Quantity
8050 0246 0167	Black	0.82 kg/p	2 pieces

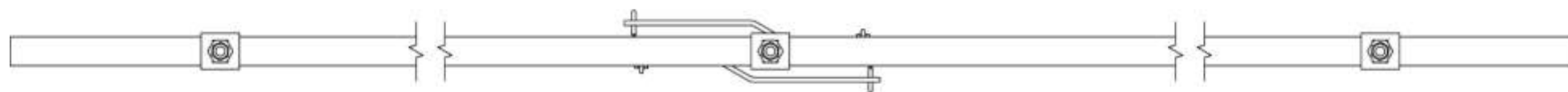
ASSEMBLED SINGLE TRACK CENTRAL OVERLAP

FRONT, TOP AND BOTTOM PLAN VIEW

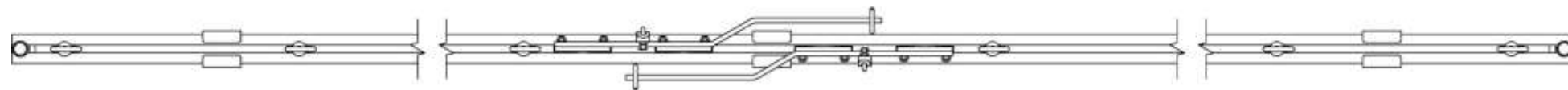
1. Front view



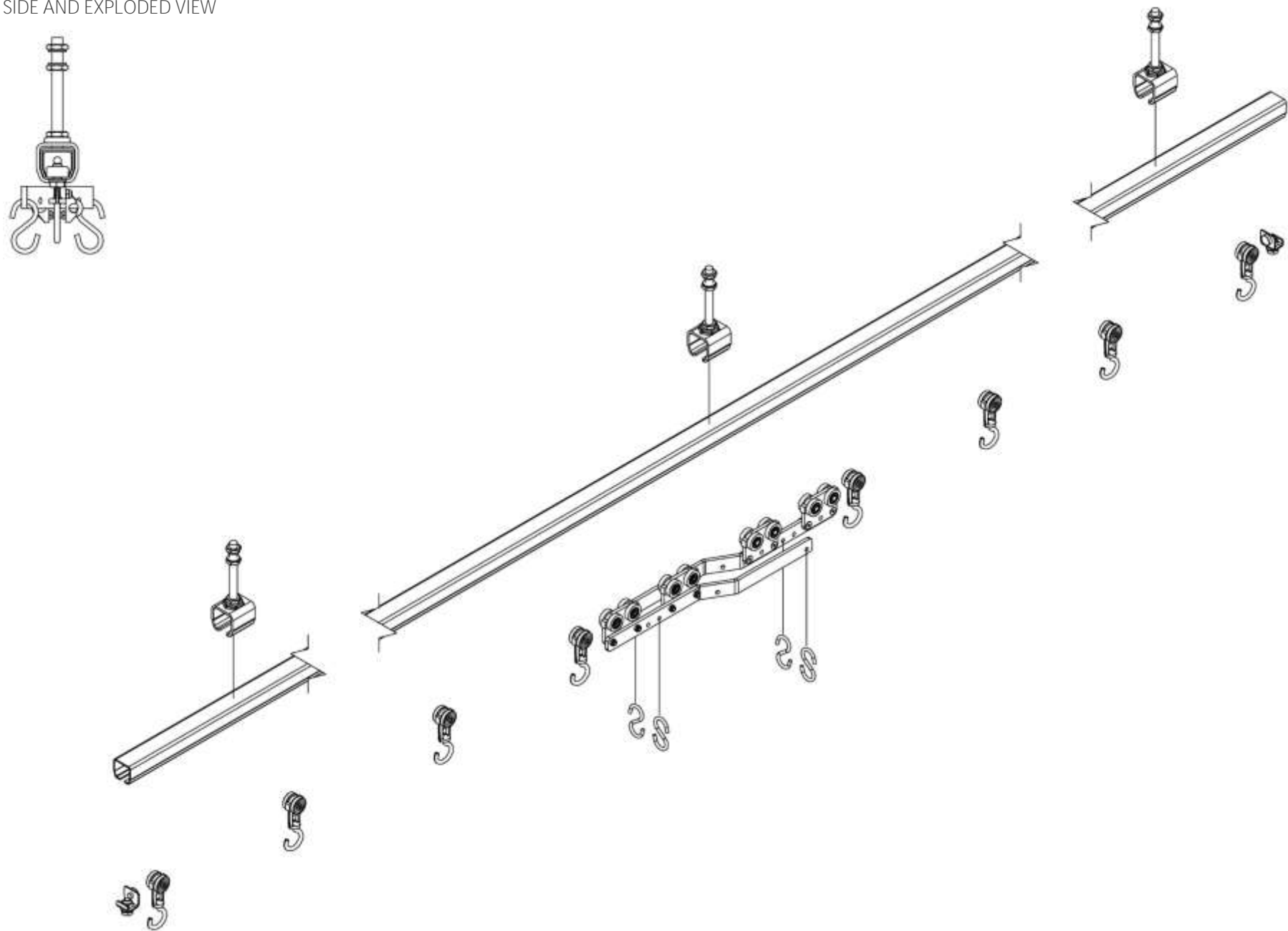
2. Top view



3. Bottom plan view



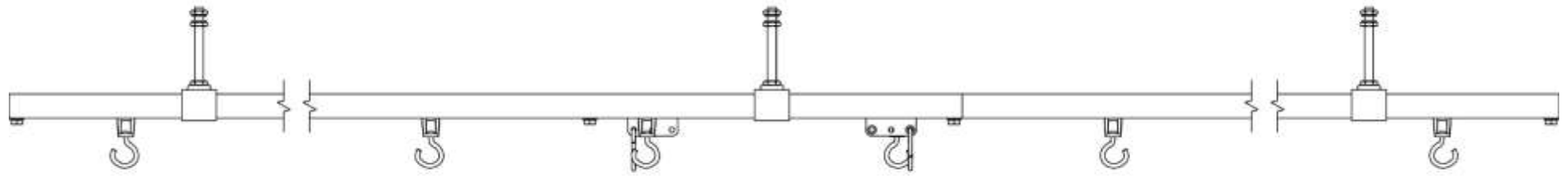
SIDE AND EXPLODED VIEW



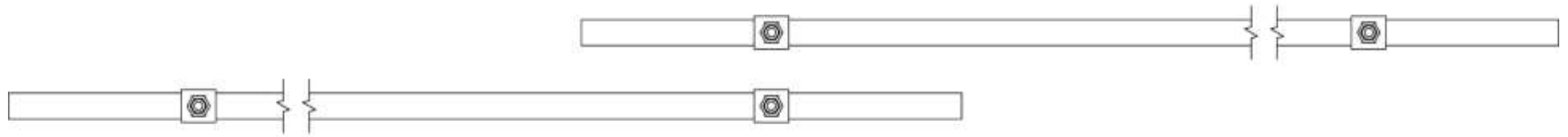
ASSEMBLED DOUBLE TRACK CENTRAL OVERLAP

FRONT, TOP AND BOTTOM PLAN VIEW

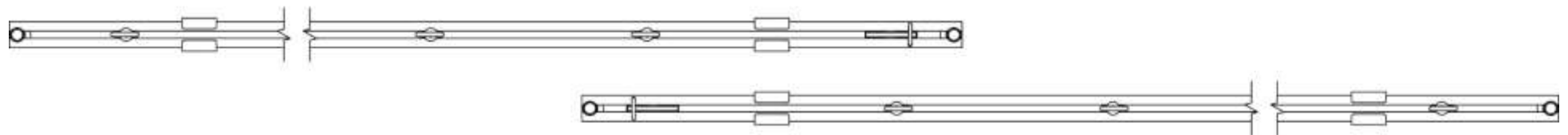
1. Front view



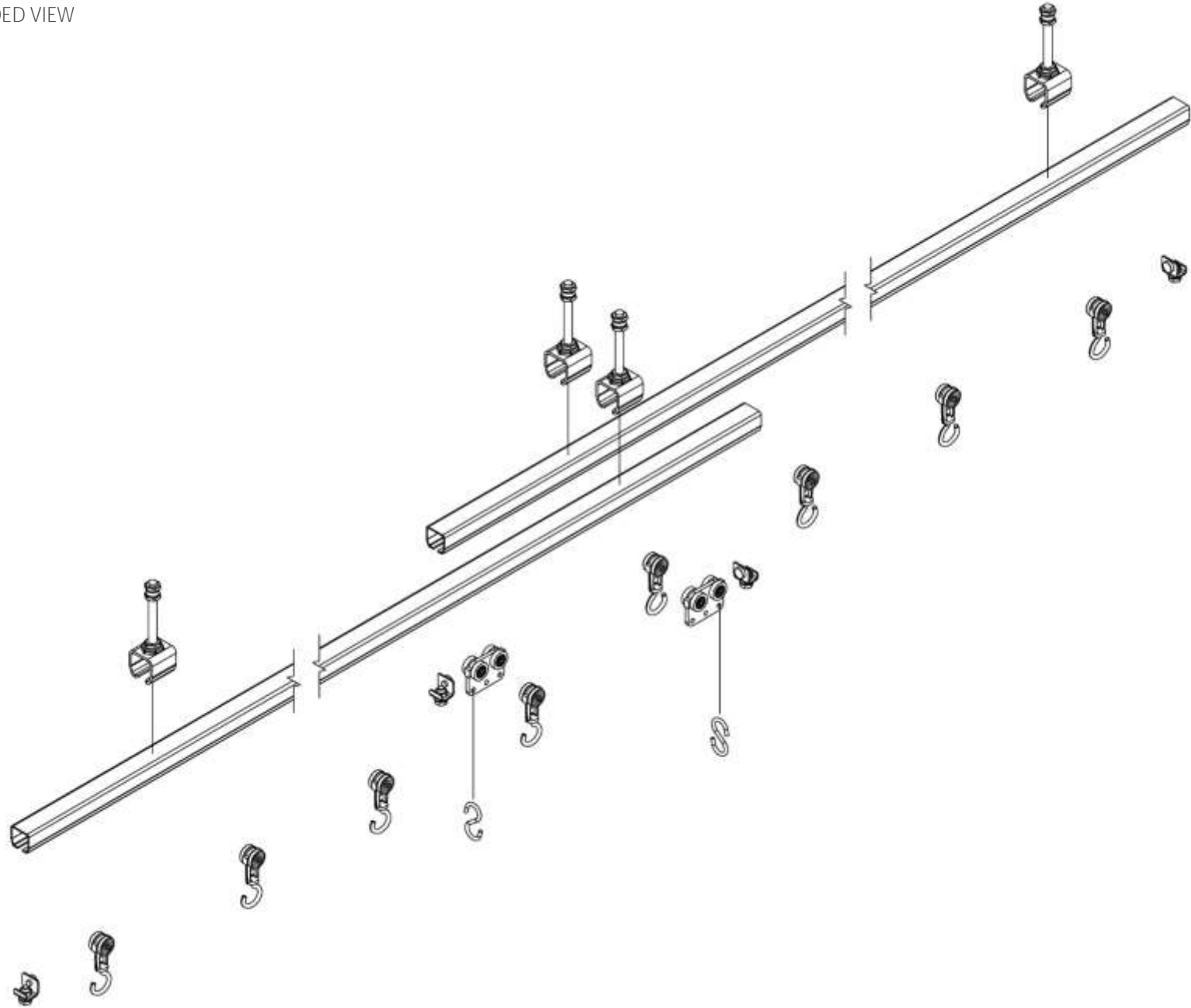
2. Top view



3. Bottom plan view



SIDE AND EXPLODED VIEW



INSTALLATION

Please follow the steps below to install your theatrical rail system correctly, additional info is given on the following pages.

NECESSARY STEPS

1. Determine attachment points & distance between them.
2. Place brackets on rail(s), secure them by hand.
3. Place coupler at end of each rail, secure them by hand.
4. Mount first rail section in supporting structure & secure brackets to rail.
When installing a rail between 2 walls, insert runners & (overlap) carriers before mounting the rail sections.
5. Mount second rail section in supporting structure & secure coupler.
6. Repeat step 5 for all other rail sections.
7. Insert runners and / or master carriers.
8. Insert end stops.
9. Hang curtain.



BE SURE TO CHECK THE “HOW TO ...” CHAPTER IN ORDER TO INSTALL CORRECTLY

NECESSARY TOOLS



Wrench 17



Wrench 13



Wrench 10

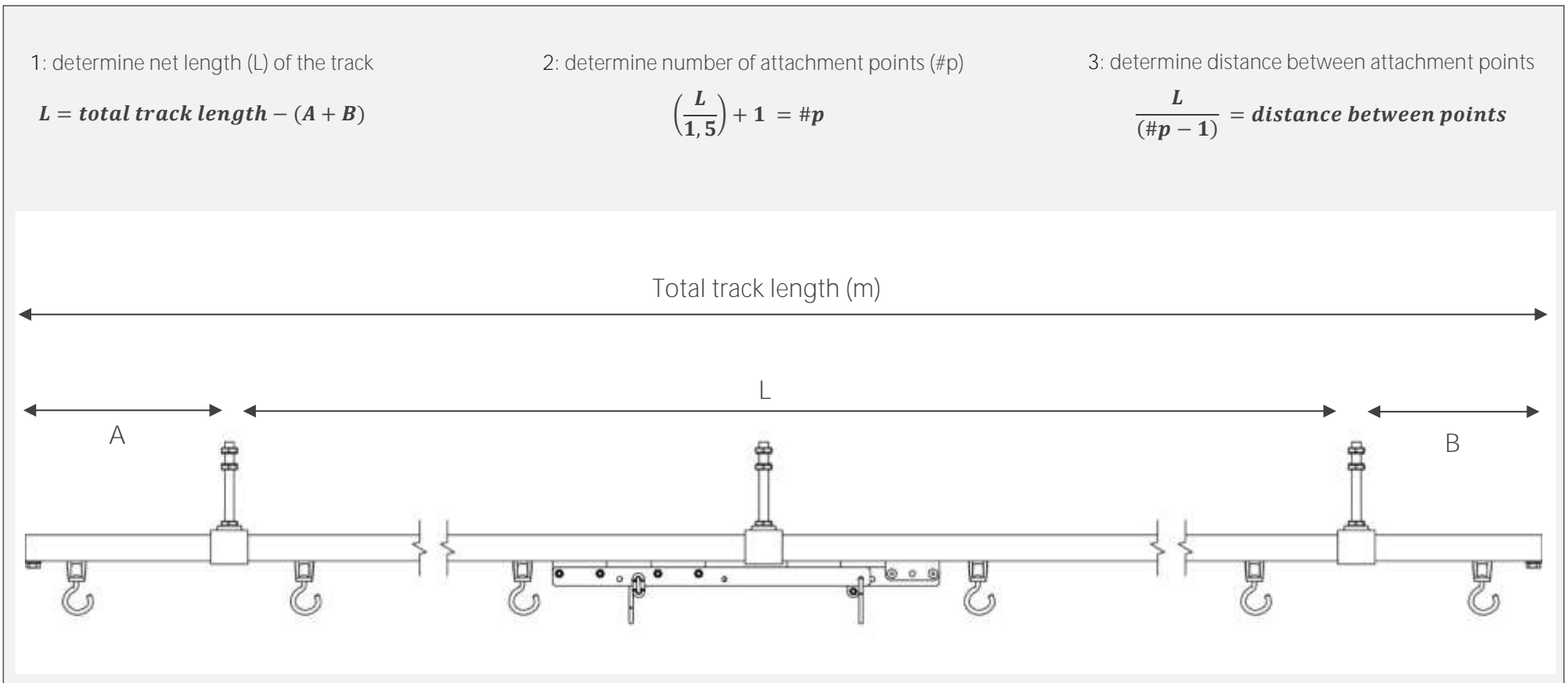


Allen key n°

HOW TO ...

DETERMINE NUMBER OF ATTACHMENT POINTS & DISTANCE BETWEEN THEM

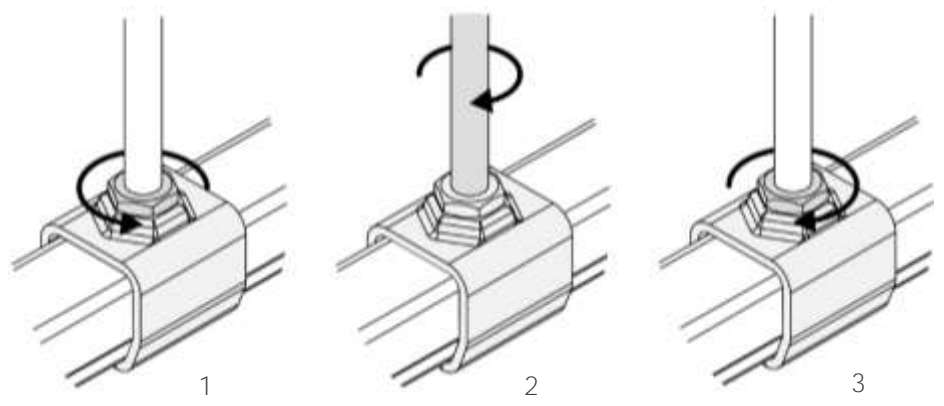
Determine the amount of attachment points you need and calculate the distance between them by following the steps outlined below. Never exceed the maximum distance of 150 cm between each point!



 When connecting two rails with a coupler, always place an extra suspension point within 5 cm of the coupler!

 When installing a curved track, remember to use extra suspension points at the ends and in the middle of the curve.

SECURE MOUNTING BRACKETS

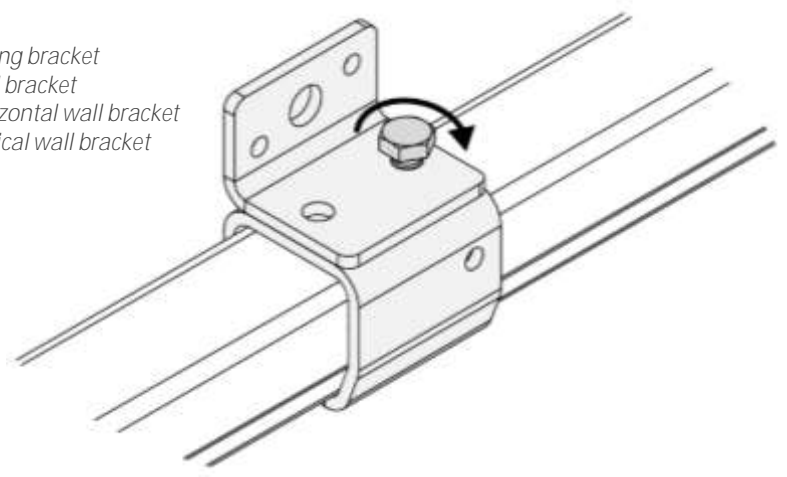


- 1: Loosen nut (M10).
- 2: Fasten threaded rod (M10) hand tight.
- 3: Secure nut (M10).

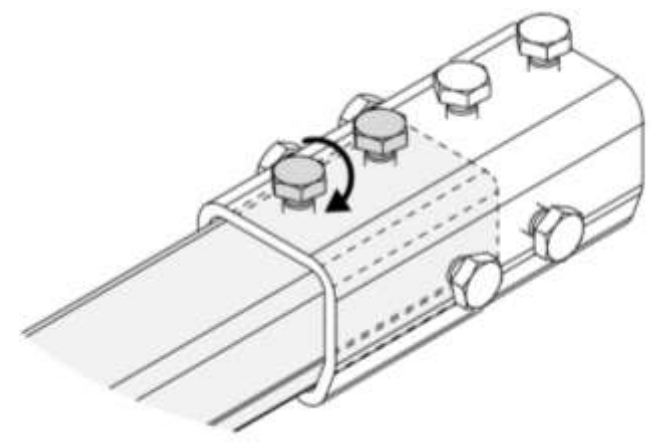
➤ Fasten the bolt (M6) hand tight in case you are using another type of bracket.

Applies for:

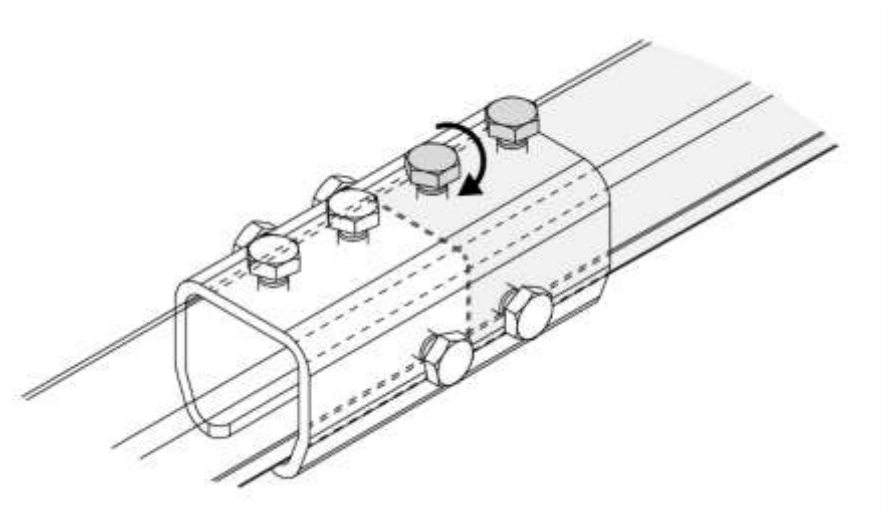
- 1. Ceiling bracket
- 2. Wall bracket
- 3. Horizontal wall bracket
- 4. Vertical wall bracket



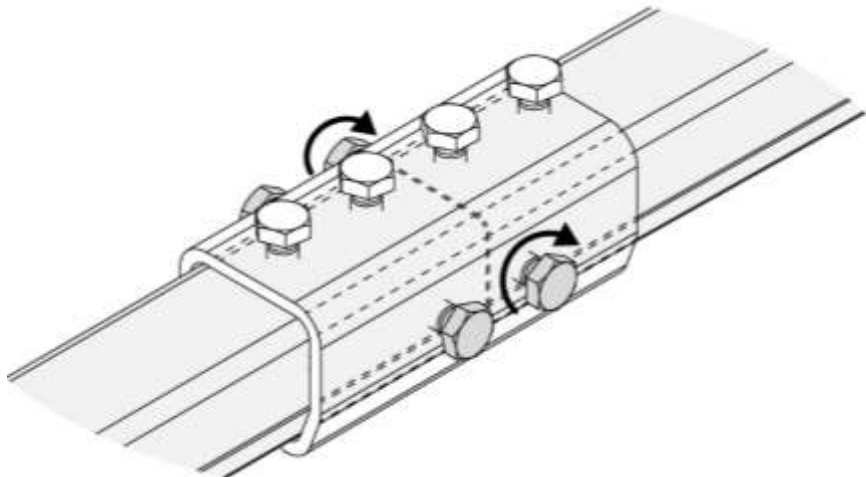
SECURE COUPLER



- 1: Align the rail end in the middle of the coupler.
- 2: Fasten the bolts (M6) on the top side hand tight, give an extra ½ turn to secure.



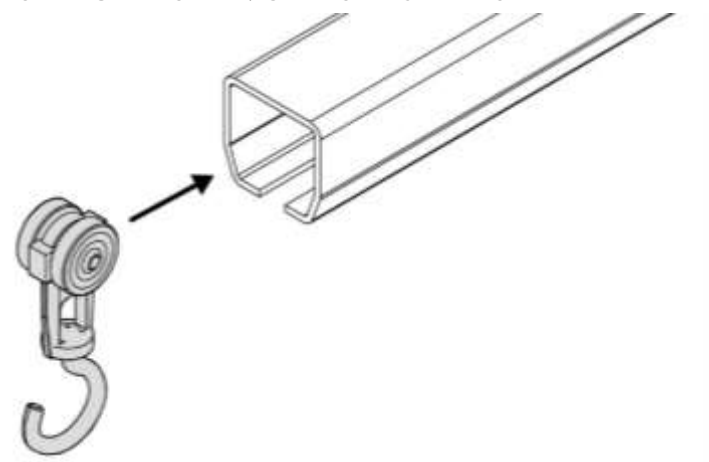
- 3: Align the rail end of the second section in the middle of the coupler.
- 4: Fasten the bolts (M6) on the top side hand tight, give an extra ½ turn to secure. Realign if you feel a height difference!



5: Fasten the bolts (M6) on the left and right sides hand tight, give an extra ½ turn to secure, even if the rails are already aligned! Do one side at a time.

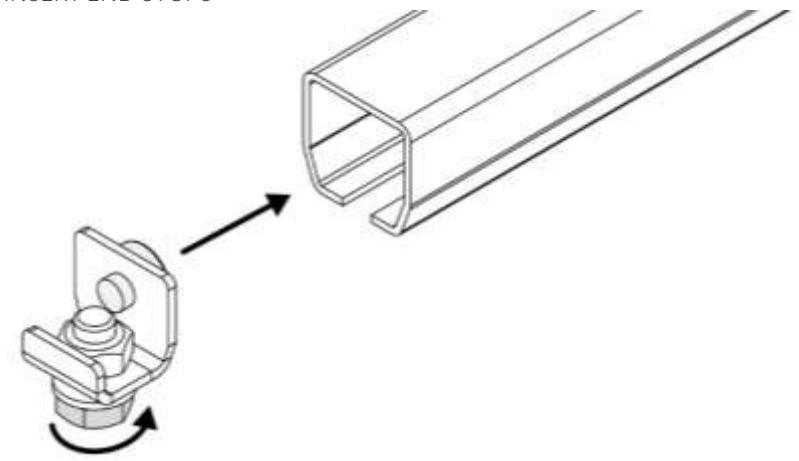
6: Trace the inside of the rail with a finger. Realign the rail if you feel a gap or height difference.

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.

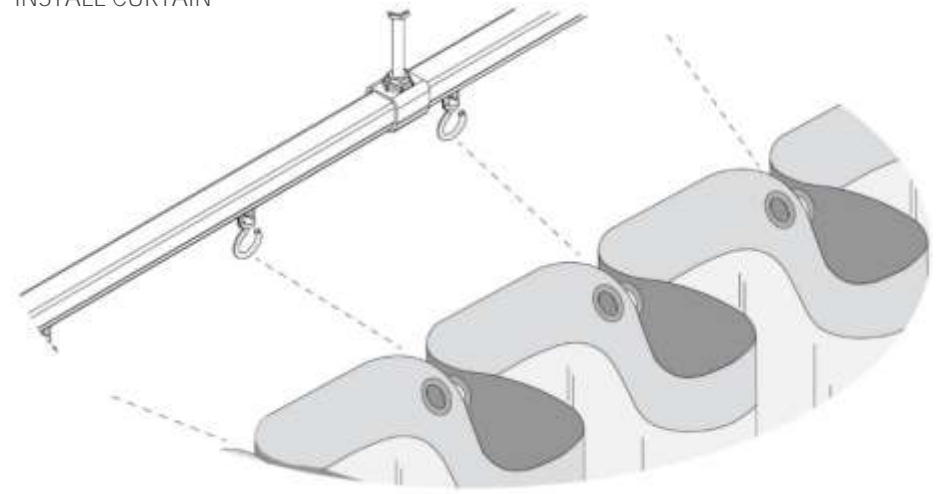
INSERT END STOPS



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

2: Fasten the bolt (M8) hand tight, give an extra ½ turn to secure.

INSTALL CURTAIN



1: 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.

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 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

The best way to maintain your theatrical curtain track system is by using it regularly. This will 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 undertake 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. Joints between tracks should not be too loose or 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. Check that all couplings are in line without gaps. If necessary realign.

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!