

**E** **Operation Manual**

**ASS Track System**



## 1 Introduction

## 2 System Installation

## 3 System Operation

## 4 Safety Instructions

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## 1.1 General Instructions

ASS is a track system for lightweight curtains up to 4 m high.  
For permanent installations only.

Walk-along track (no cable-pull operation).  
Side cord operation: for straight track configurations up to 12 m long only.

ASS is not suitable for motor operation.

## Operation Manual

This operation manual is included in the delivery of the ASS track system. It includes all necessary instructions to assemble and to operate the system safely and to prevent accidents or damage.

## 1.2 Approved Use of System

ASS is approved for moving textile curtains up to 4 m high within the maximum load capacity of the track and associated components.

Do not exceed load rating of track and runners.

## 1.3 Unapproved Use of System

Do not attach solid objects, such as scenery or decorative objects to the track. If the system is overloaded, objects can fall and risk hurting individuals or damaging material.

## 1.4 Technical Data

Track weight:	340 g/m
Track section length	6,00 m
Max. distance between hanging points:	1 m
Minimal curve radius:	250 mm

### Load Capacity (Table + Diagram)

ASS track sections are available in two versions:

- Predrilled: predrilled holes (20 cm increments) in top of the track allow for bolting directly into the ceiling.
- Solid track sections: track is mounted to ceiling/structure with ceiling mounting plates (article number **3100 8021/8022**).

#### Maximum Load Capacity in Correlation to Track Span Width:

Span width:	1,00 m
Point load:	12 kg/m
Uniform distributed load	25 kg/m

#### Attention!

If using ceiling mounting plates, the ceiling mounting plate will be considered the Point Load point.

Verify that the ceiling/structure and all attachment accessories are stable and in a proper condition.



## 1.5 Further Information

You can find further information, such as load capacity, dimensions and weight of all track system components in chapter 2.3 „Track Mounting“, in the Gerriets TECHNIC manual and on our website [www.gerriets.com](http://www.gerriets.com).

### 2.1 Installation

Installation of the ASS system must be done by qualified technicians only. All installers must follow the operation instructions.

Not following the operation instructions can damage the system. Gerriets GmbH is not liable for these damages.

## 2.2 Preparation

### 2.2.1 Delivery of System

Please check immediately that the delivery slip matches the received parts and compare to images in chapter „2.3 Track Mounting“ to verify that the shipment is complete.

### 2.2.2 System Design

For designing your custom track system, please note following points.

For the track system length you must include the curtain stacking space (length of each runner and master runner) and length of the required components such as end stops, return pulley and head pulley at the ends of the tracks.

Stacking space calculation for each side of the curtain:

Number of runners (5 – 7 each m) x length of each runner

+ length of master runners

+ head of head and return pulleys

+ length of end stop

Calculate the curtain weight.

Define the track mounting style and the number of hanging points.

The maximum load as defined in table 1.4 must not be exceeded.

**Note:**

Please only use the system for its approved use of moving curtains up to 4 m high.

Ensure that the ceiling/structure the track is mounted to is stable.

Secure the working area during installation as there is the risk of falling objects.

Make sure that you/your employees follow fall protection regulations during the installation.

Follow the mounting instructions for each track system component in the following chapter.



## 2.3 Track Mounting / ASS: Walk-Along Track / Overview

The following pages include drawings and descriptions of the ASS track system as well as mounting instructions and useful tips.

### Walk-Along Track

Walk-along tracks are systems without motor operation. The curtains are opened and closed manually.

Walk-along is the basic system to open or close curtains or to move scenery along a track (unapproved use for ASS track system).

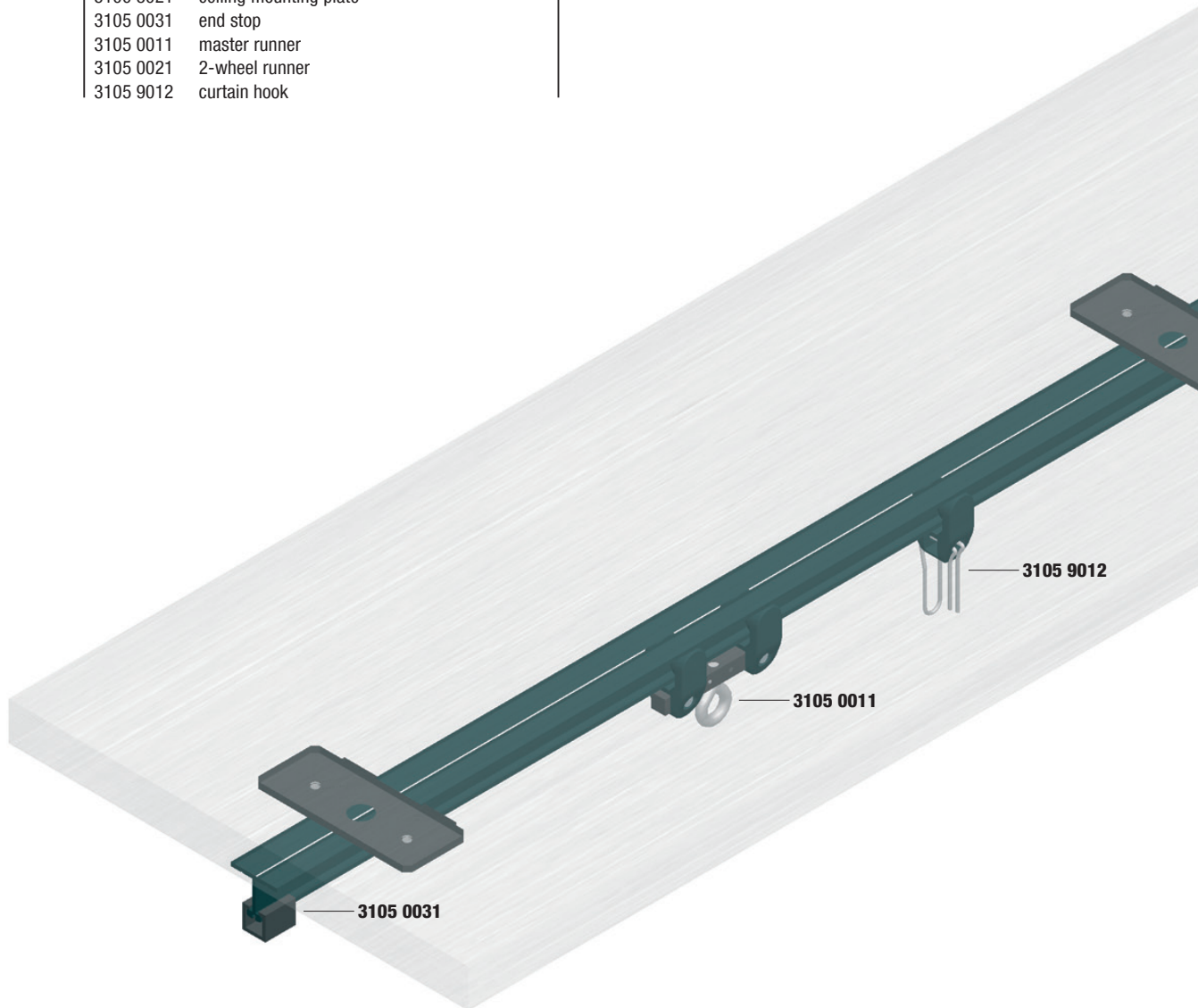
### Mounting Considerations

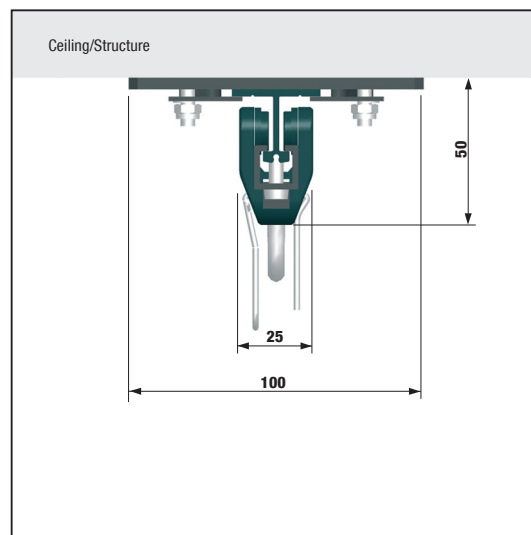
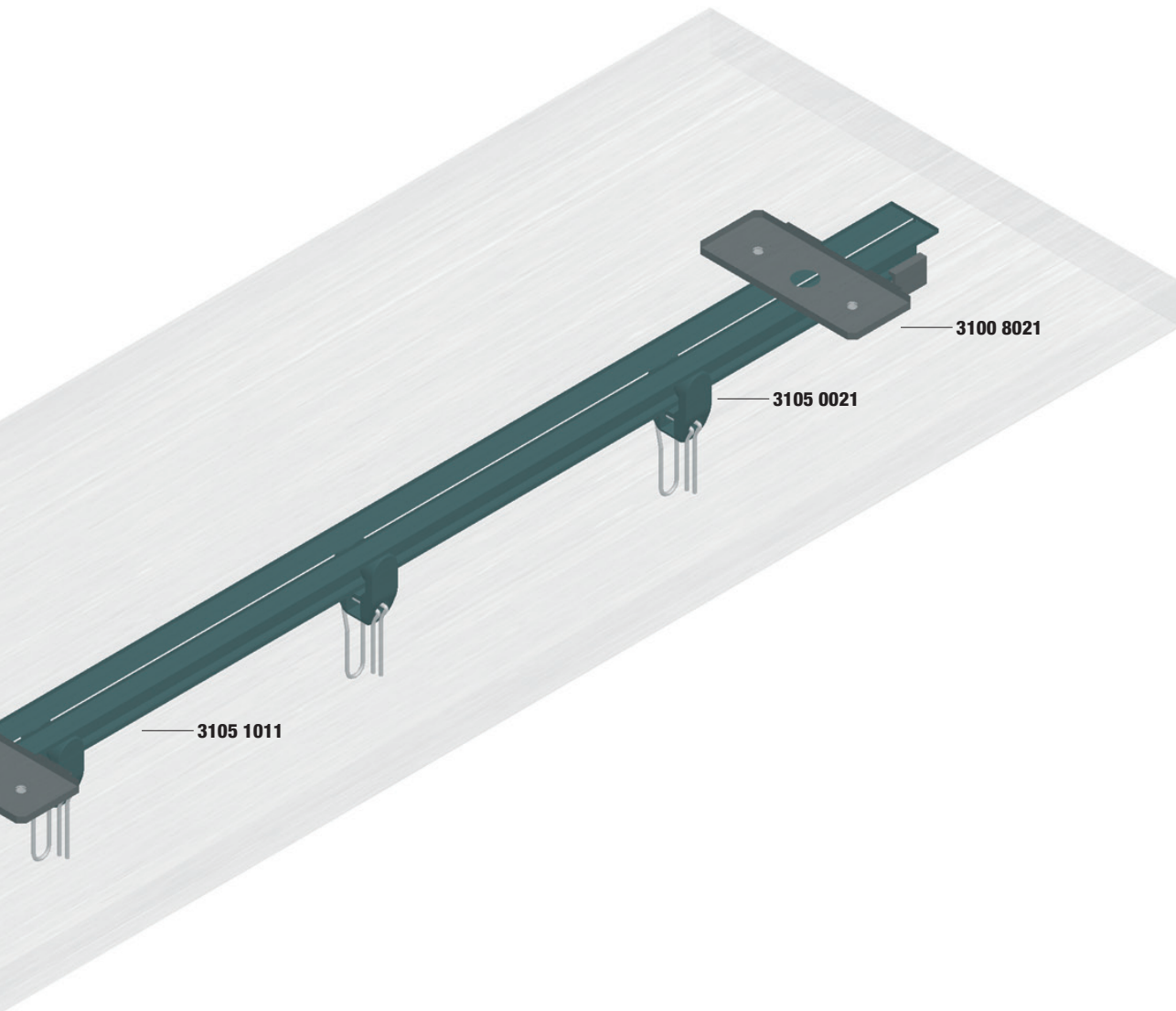
For design and installation consider overall height of track system components.

Please calculate length of each runner and master runner for stacking space.

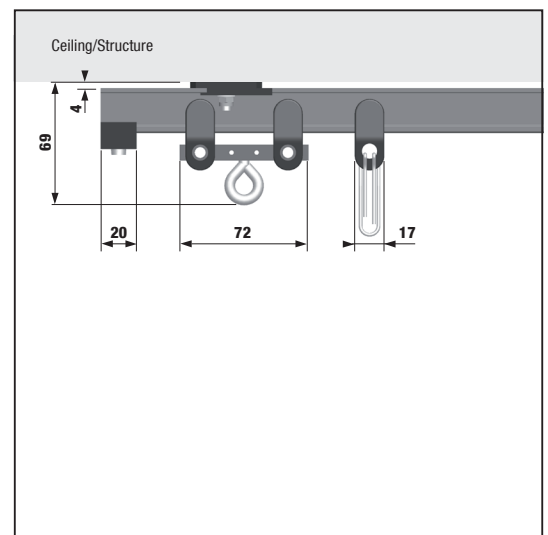
### List of Parts for Sample System Below

Art.-No.	Article
3105 1011	track, straight, black anodized
3100 8021	ceiling mounting plate
3105 0031	end stop
3105 0011	master runner
3105 0021	2-wheel runner
3105 9012	curtain hook



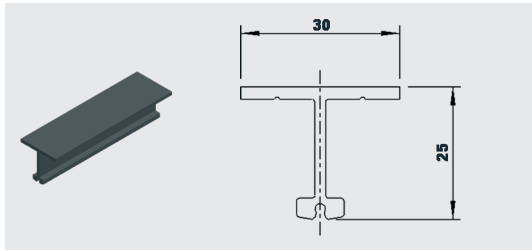


End View



Side View

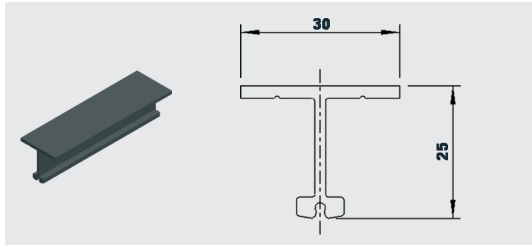
### 2.3.1 ASS: Walk-Along Track / System Parts Mounting



#### Track, Straight

- Extruded aluminum profile ALMgSi 0,5 F22.
- Steel pin connection.

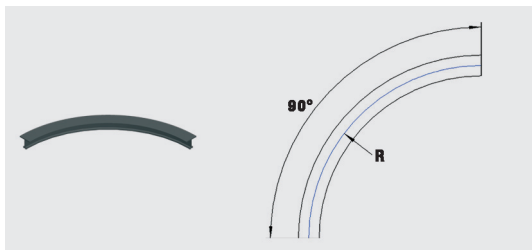
Art.-No.	Colour	Length cm	Weight g/m
3105 1011	black	600	340
3105 1012	aluminum	600	340
3105 1021	black	up to 600	340
3105 1022	aluminum	up to 600	340



#### Track, Straight, Predrilled

- Technical details: see track straight.
- Predrilled holes in top of track in 20 cm increments.

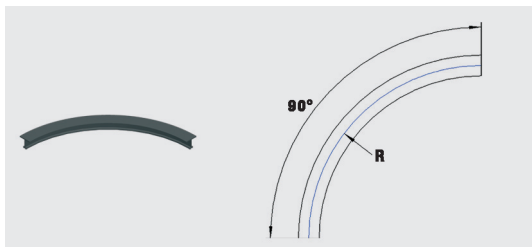
Art.-No.	Colour	Length cm	Weight g/m
3105 1013	black	600	340
3105 1014	aluminum	600	340
3105 1023	black	up to 600	340
3105 1024	aluminum	up to 600	340



#### Track, Curved - without Splice

- Technical details: see track straight.
- 1/4 circle, 90° curve.

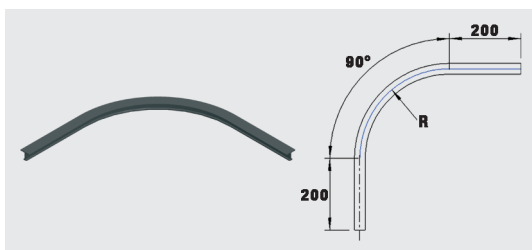
Art.-No.	Colour	Radius cm	Weight g/m
3105 1031	black	25	134
3105 1032	aluminum	25	134
3105 1051	black	50	267
3105 1052	aluminum	50	267
3105 1071	black	100	534
3105 1072	aluminum	100	534
3105 1091	black	custom curve	-
3105 1092	aluminum	custom curve	-



#### Track, Curved - without Splice, Predrilled

- Predrilled holes in top of track in 20 cm increments..
- 1/4 circle, 90° curve.

Art.-No.	Colour	Radius cm	Weight g/m
3105 1033	black	25	134
3105 1034	aluminum	25	134
3105 1053	black	50	267
3105 1054	aluminum	50	267
3105 1073	black	100	534
3105 1074	aluminum	100	534
3105 1093	black	custom curve	-
3105 1094	aluminum	custom curve	-



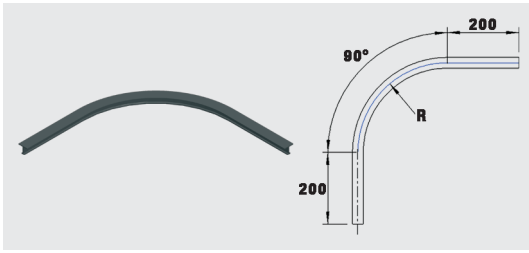
#### Track, Curved - with Splice

- Technical details: see track straight..
- 1/4 circle, 90° curve.

Art.-No.	Colour	Radius cm	Weight g/m
3105 1041	black	25	270
3105 1042	aluminum	25	270
3105 1061	black	50	403
3105 1062	aluminum	50	403
3105 1081	black	100	670
3105 1082	aluminum	100	670
3105 1101	black	custom curve	-
3105 1102	aluminum	custom curve	-



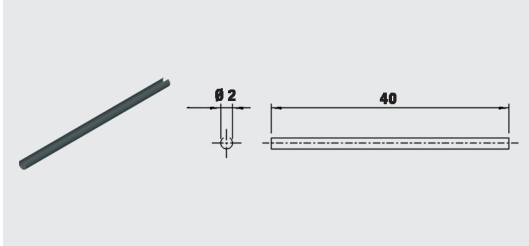
### 2.3.1 ASS: Walk-Along Track / System Parts Mounting



#### Track, Curved - with Splice, Predrilled

- Predrilled holes in top of the track in 20 cm increments.
- 1/4 circle, 90° curve.

Art.-No.	Colour	Radius cm	Weight g/m
3105 1043	black	25	270
3105 1044	Aluminum	25	270
3105 1063	black	50	403
3105 1064	Aluminum	50	403
3105 1083	black	100	670
3105 1084	Aluminum	100	670
3105 1103	black	custom curve	-
3105 1104	Aluminum	custom curve	-



#### Joint Pin, Set of 10 pieces

- Steel pin  $\varnothing$  2 mm x 40 mm.
- For precise track connection..

Art.- Nr. 3105 9115

#### Track Mounting

Track sections can be bolted directly to ceiling or to wood substructure.

There are two track mounting options.

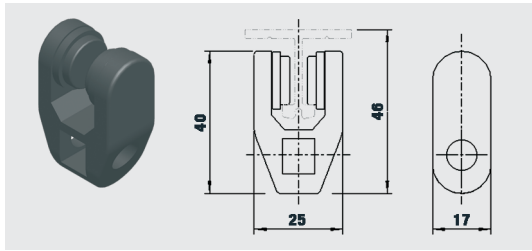
1. Predrilled track sections: Predrilled holes for bolting the track section directly to the ceiling/structure.
2. Ceiling mounting plate (**3100 8021 / 8022**). Please follow the following mounting instructions.

For seamless, precise track section connection please note:

If you shorten a track section, the cut must be straight and at a right angle. Deburr the cut edge to ensure a precise joint connection of the track sections.

Joint pins help to connect track sections seamlessly and keep in aligned.

### 2.3.1 ASS: Walk-Along Track / System Parts Mounting



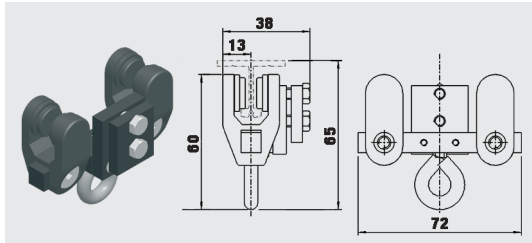
Art.- Nr. 3105 9115

#### 2-Wheel Runner

For straight and curved sections.

In combination with curtain hook tape (**4104 0151 / 0152**) and curtain hooks (**3105 9012**): runner distance approx. 15 – 20 cm.

- Load capacity: 2 kg.
- Weight: 10 g.



Art.- Nr. 3105 0011

#### Carrier

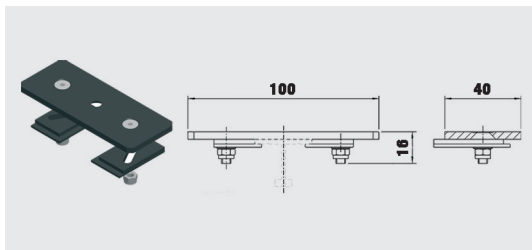
**With 4 load bearing wheels.**

Eyelet for curtain attachment.

With rope attachment bracket.

- Load capacity: 4 kg.
- Weight: 160 g.

Works as the first curtain carrier (rope attachment bracket not used for walk-along systems).



Art.- Nr. 3100 8021 black / 3100 8022 Aluminum

#### Ceiling Mounting Plate

For direct ceiling/structure mounting.

With hole to accept M6 bolt (bolts and anchors not included).

- Load capacity: 1.000 N.
- Weight: 185 g.

**1** Distance: maximum 1 m, depending on curtain weight. Use diagram in chapter 1.4 to define the distance between ceiling mounting plates!

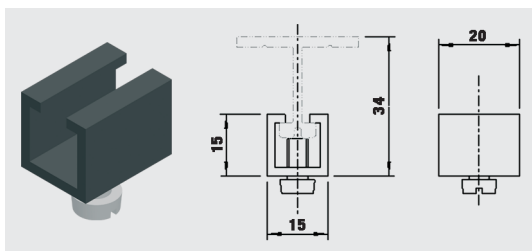
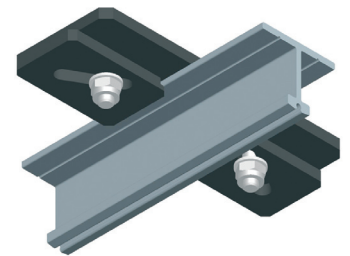
**2** Verify that ceiling/structure and all attachment accessories (bolts, anchors) are stable and in a proper condition.

Recommendation:

Helde HKD-M6 x 30 screw M6 x 25 DIN 779.

**3** Bolt ceiling mounting plate to ceiling/wood substructure.

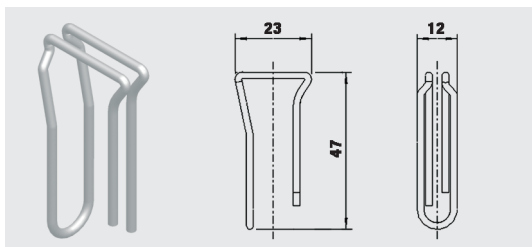
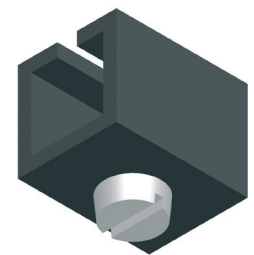
**4** Squeeze both plates to the track and tighten M4 nuts.



Art.- Nr. 3105 0031

#### End Stop

- With screw
- Weight: 10 g.



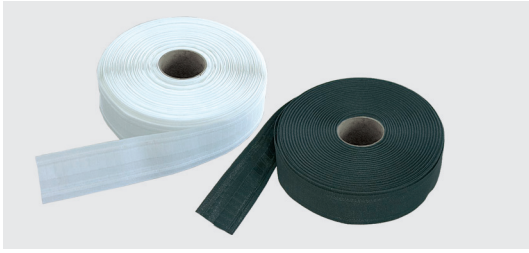
Art.- Nr. 3105 0031

#### Curtain Hook

- V4A steel.
- Corrosion-resistant even with impregnated textile curtains.
- Weight: 5 g.

Both ends of the hook are slid into the pockets of the curtain hook tape (see page 11).

### 2.3.1 ASS: Walk-Along Track / System Parts Mounting



#### **Curtain Hook Tape**

- With holes for curtain hooks.
- With 2 pull lines.
- For up to 100% fullness.
- Sold in complete roles only..
- Role length: 50 m.
- Height: 50 mm.

**Art.- Nr. 4104 0151 white / 4104 0152 black**

## 2.3.1 ASS: Side Cord Operation / Overview

### Side Cord Operation

The only cord operation system for ASS is side cord operation.

#### Important

Side cord operation is only for straight, single track systems up to 12 m long.

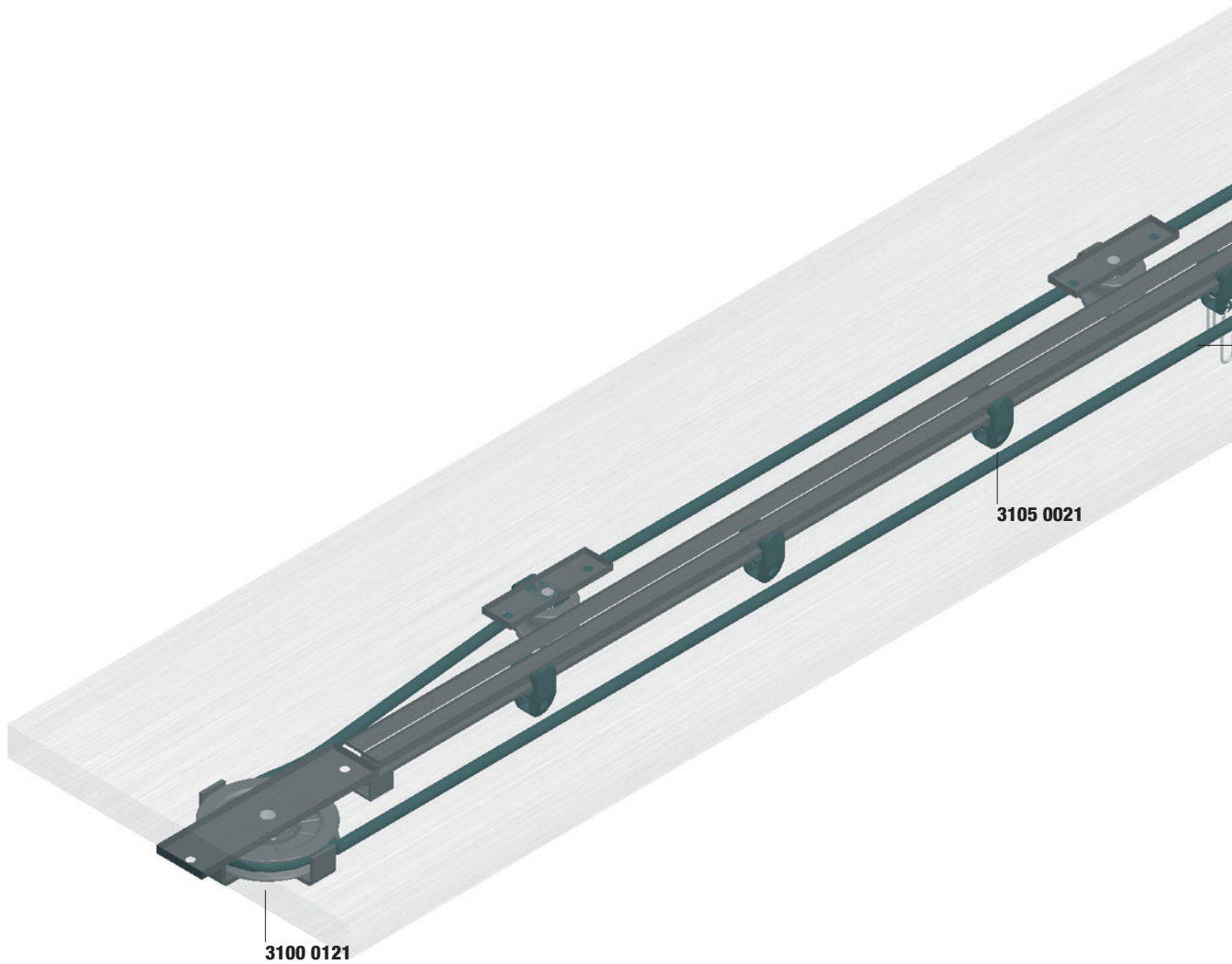
#### Mounting Considerations

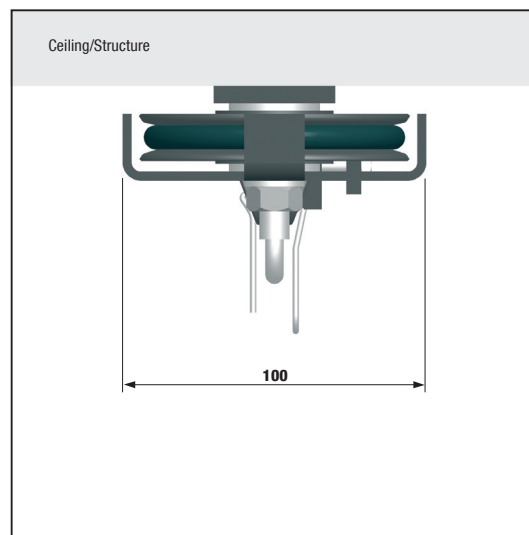
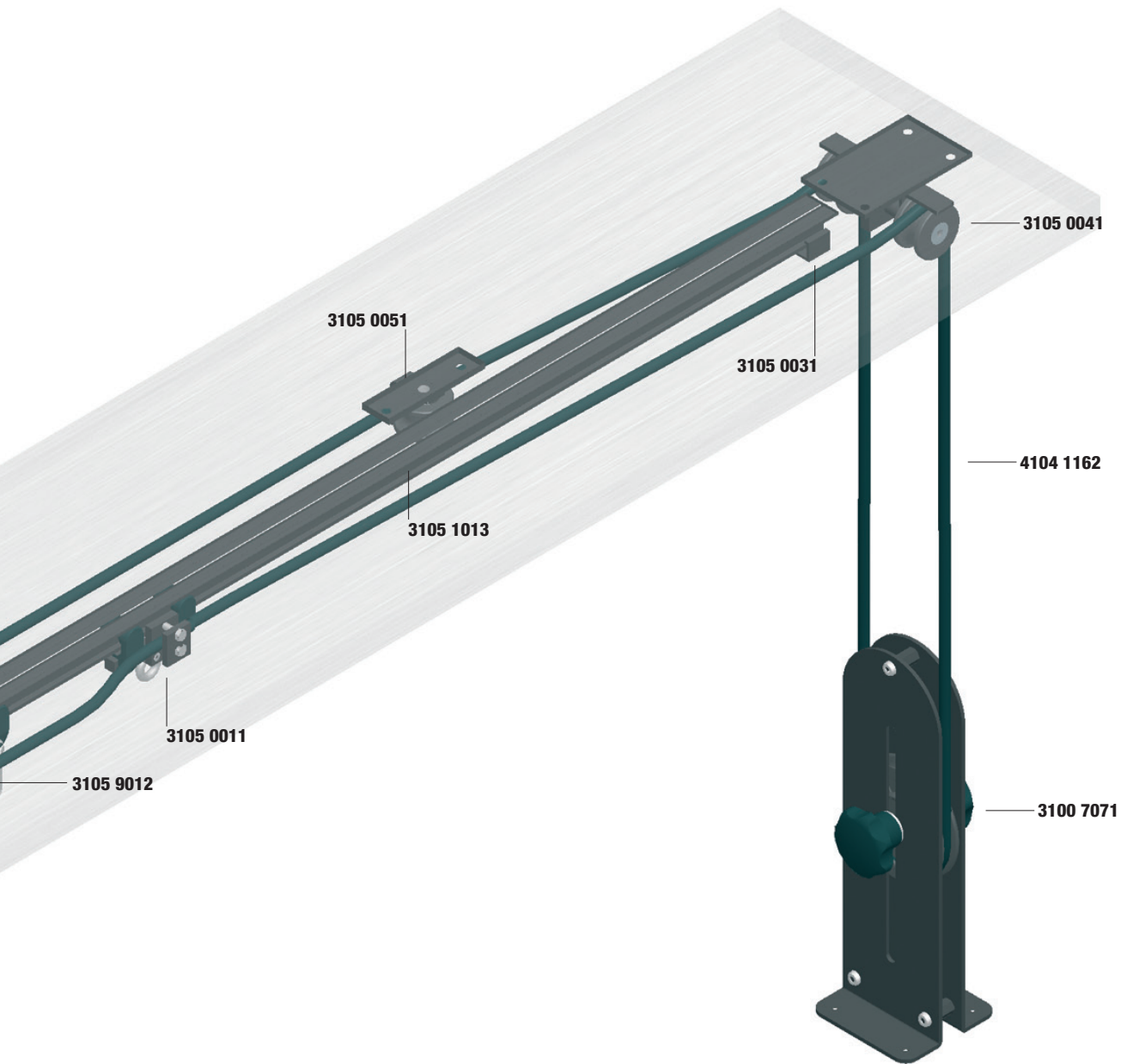
For design and installation please note height measurements of all components.

Please include length of head and return pulleys for stacking space calculation.

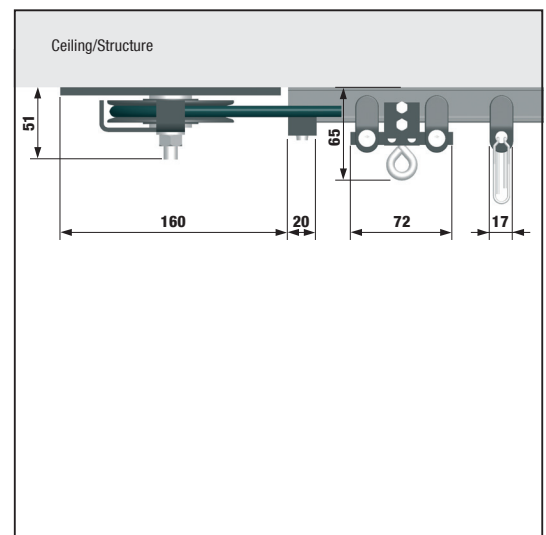
#### List of Parts for Sample System Below

Art.-No.	Article
3105 1013	track, straight, predrilled, black anodized
3105 0041	head pulley
3100 0121	single return pulley
3105 0051	rope guide pulley
3105 0031	end stop
3105 0011	master runner
3105 0021	2-wheel runner
4104 1162	polyester rope Ø 6 mm
3100 7071	adjustable floor pulley 180
3105 9012	curtain hook





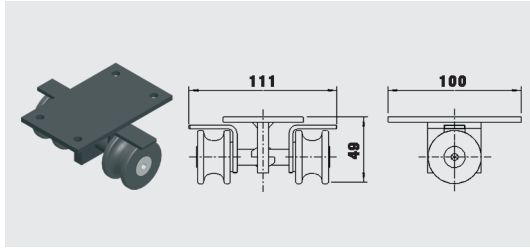
End View



Side View

### 2.3.1 ASS: Side Cord Operation / System Parts Mounting

The following parts are available for ASS track.

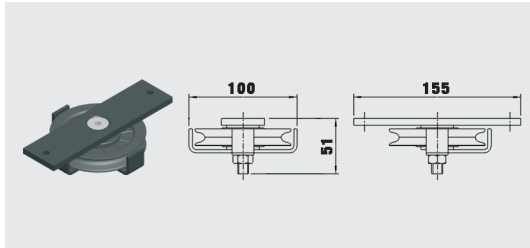


Art.- Nr. 3105 0041

#### Head Pulley

- Diverts operation rope to floor.
- For single and double track systems.
- Ball bearing..
- Groove base: 25 mm.
- Fo use with rope up to  $\varnothing$  8 mm.
- Weight: 445 g.

With mounting plate 100 x 60 mm with 4 holes ( $\varnothing$  6,5 mm) for bolting directly to ceiling /structure.

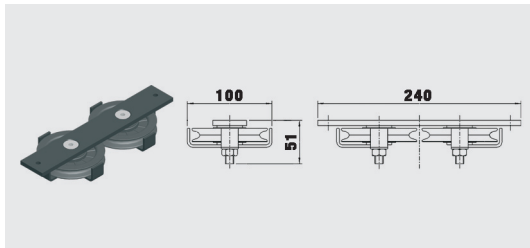


Art.- Nr. 3100 0121

#### Single Return Pulley

- Returns operating rope at the end of the track.
- Groove base: 70 mm.
- For rope up to  $\varnothing$  8 mm.
- Weight: 530 g.

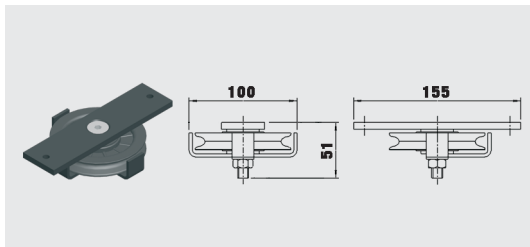
With mounting plate with 4 holes for bolting directly to ceiling/structure.



Art.- Nr. 3100 0131

#### Cross-Over Pulley

- For double track systems.
- Rope diversion: approx. 160 mm.
- Ball bearing.
- Groove base:  $\varnothing$  70 mm.
- Bis max.  $\varnothing$  8 mm Seil.
- Weight: 935 g.



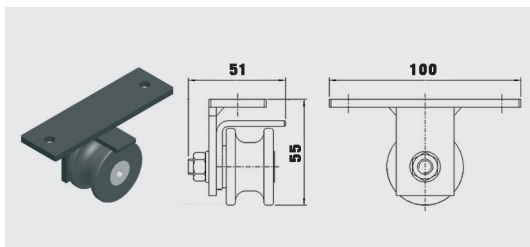
Art.- Nr. 3100 0111

#### Tensioned Return Pulley

- Adjustable rope tensioning.
- Can replace return pulley.
- Tension distance: 150 mm.
- Ball bearing.
- Groove base:  $\varnothing$  70 mm.
- Weight: 975 g.

With mounting plate with 4 holes for bolting directly to the ceiling/structure.

Head pulley, return pulley and tensioned return pulley are bolted to the ceiling/structure aligned to the track. (see overview above)



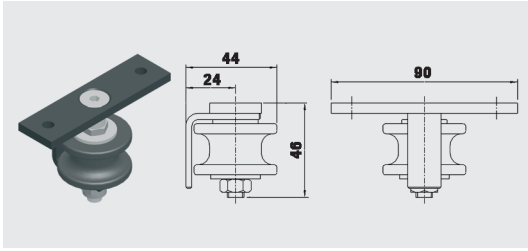
Art.- Nr. 3105 0051

#### Rope Guide Pulley

- No sag of the returning rope.
- Ball bearing..
- Groove base:  $\varnothing$  25 mm.
- For use with rope up to  $\varnothing$  8 mm.
- Weight: 190 g.

With mounting plate with 2 holes for bolting directly to the ceiling/structure.

### 2.3.1 ASS: Side Cord Operation / System Parts Mounting



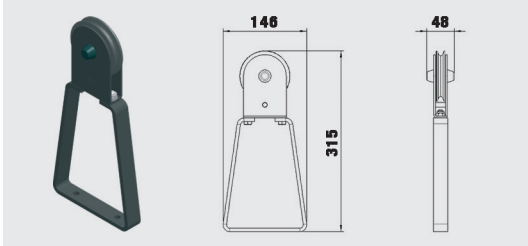
Art.- Nr. 3100 0141

#### Rope Guide Pulley

- Guides returning rope.
- Ball bearing.
- Groove base:  $\varnothing$  25 mm.
- Weight: 165 g.
- For use with rope up to  $\varnothing$  8 mm.

With mounting plate with 2 holes ( $\varnothing$  6.5 mm) for bolting directly to ceiling/structure.

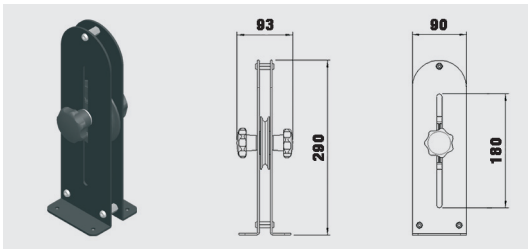
Rope guide pulleys are mounted to the ceiling/structure next to the track to align the returning rope parallel to the track. A rope guide pulley can also align the rope along the wall.



Art.- Nr. 3100 7061

#### Stirrup Floor Pulley

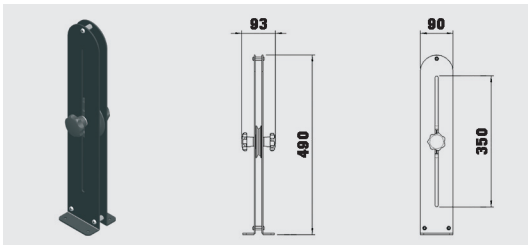
- With foot stirrup and two 10 mm holes for bolting to the floor.
- Rope tensioning by foot pressure.
- For rope up to  $\varnothing$  8 mm.
- Weight: 1.205 g.



Art.- Nr. 3100 7071

#### Adjustable Floor Pulley 180

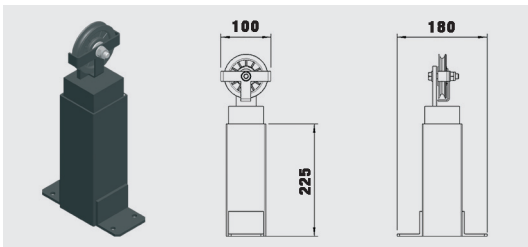
- Cord tensioning by height adjustment.
- With four  $\varnothing$  10 mm holes for bolting to floor.
- For use with rope up to  $\varnothing$  8 mm.
- Tension distance: 180 mm.
- Weight: 1395 g.



Art.- Nr. 3110 7081

#### Adjustable Floor Pulley 350

- Wie 3110 7071, but tension distance: 350 mm.
- Weight: 3.600 g.



Art.- Nr. 3110 7011

#### Self Tensioning Floor Pulley

- Mit 4 holes for bolting to floor.
- For use with rope up to  $\varnothing$  8 mm.
- Weight: 12.445 g.



Art.- Nr. 4104 1162

#### Polyester Rope

- $\varnothing$  6 mm.
- Colour: black (also available in white).
- Tensile strength approx. 575 daN.
- Max. length: 200 m.
- Non-stretch (ca. 4 %).

### 2.3.2 Rope Attachment

After assembling all parts, the side cord operation cord (standard Ø 6 mm) can be attached.

- 1 Attach one end of the rope to a master runner.
- 2 Guide the other end of the rope over the head pulley to the floor pulley back up to the head pulley, to the return pulley and back to starting point (master runner).  
Loosen the rope at the starting point (master runner), pull the rope tight and clamp it to the master runner.
- 3 After the installation, cut off the remaining ends of the rope to ensure a smooth operation.
- 4 Check the rope tension latest four weeks after installation. If necessary, adjust the tension.

The different cord guide systems are shown in chapter 2.3 "Track Mounting"

### 2.3.3 Rope Operation Test

Before attaching the curtain, the track system operation must be checked.

Please pay attention to the following:

Does the rope run smoothly, or does it rub against system components or other objects?

If yes: change the rope alignment or add additional rope guides.

Do you notice any unusual or loud operation noise?

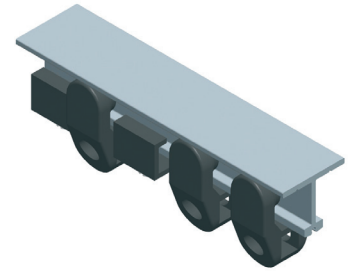
If yes: Find out the cause and replace defective parts where required.

### 2.3.4 Curtain Attachment

You can attach a curtain via curtain hook tape (**3105 9012**) and curtain hooks (**4104 0151/2**). You can also use tie line.

Do not exceed the maximum load capacity of the track system (see chapter 1.4) and its components (chapter 2.3.1)!

Attach the movable part of the curtain to the master runner's lead eyelet and to the other runner's attachment holes. To prevent the curtain from overtraveling the end position, attach the other end of the curtain between two end stops (see image)  
The distance between the bottom edge of the curtain and the floor should be 1-3 cm to prevent the curtain from brushing over the floor.



### 2.3.5 Curtain Operation Test

Double-check after curtain attachment

- Does the curtain move smoothly and easily?
- Is there a danger of collision with other objects in the curtain area?

If yes:

Enlarge the safety distance between curtain and other objects or remove the obstacles. Repeat the test after removing the cause of the collision.

### 2.3.6 System Operation

Before operating the system ensure that all safety regulations are followed. System operators must be instructed about the system. The operator must have a clear view of the entire curtain area.



### 3.1 Operator Instructions

To operate the system safely, operators must have a basic knowledge of design and function of the system. It is the owner's responsibility to instruct operators accordingly .

### 3.2 Instruction of Untrained People in the Working Area

Untrained people who work in the system area must be informed about possible safety risks and proper procedures.

### 3.3 Maintenance

During operation be aware of unknown or unusual noises. This will help prevent major damage in the future.

The following should be checked as indicated:

	each use	bi-annually	annually
Unusual noise	X		
Rope: condition			X
Rope: Tension		X	
Master runner+runner: smooth operation			X
Master runner+ runner: silent operation			X
Master runner + runner: sight check of wheels deformation of casing or attachment accessories.			X
Runner curtain attachment			X
Master runner: rope attachment			X
Rope guides: smooth operation			X
Suspension points: sight check and screw connections			X
Track connections			X
Staining			X

For heavy duty applications shorter maintenance cycles are recommended. Damaged and defective parts must be replaced.  
For product details please see our Technic Manual, go to [www.gerriets.com](http://www.gerriets.com) or contact our customer support team.

### 3.4 System Modifications

System modification is not allowed without the written consent of Gerriets GmbH.

Only genuine Gerriets spare parts should be used.

Unapproved modifications will result in voided warranty and liability.

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## 4.1 Safety Risks

Even with approved operation and regular maintenance, safety risks can not be totally excluded. Please note following risks:

Risk	Cause	Action
Break during Operation	Overload, wearing	Do not exceed load capacity, regular maintenance
Objects falling down	Unsecured screw connections are loose, collision with other structures	Proper screw connections and regular checks; keep safety distance

Business hours	Monday - Thursday	8:00 a.m. - 12:00 p.m. 1:00 p.m. - 5:00 p.m.	Commercial register, Freiburg Tax number  Managing Directors  DTHG and ITI member
	Friday	8:00 a.m. - 12:00 p.m. 1:00 p.m. - 3:30 p.m.	
	You can reach our telephone switchboard on weekdays from		
	8:00 a.m. - 6:00 p.m.		
	Outside normal business hours, please leave a message and we will get back to you the next business day.		
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