



ADMIRAL
STAGING

Original user manual

L&XL

CABLE GUIDES



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www.admiralstaging.com

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1. INTRODUCTION

The ADMIRAL L & XL CABLE GUIDES are used as a guide for cabling during the lifting operation of trusses or truss structures. It is intended for trusses with a main chord diameter of maximum 51 mm and a centre-to-centre distance of 236 mm to 242 mm or with an adapter for 339 mm to 350 mm.

ADMIRAL has endeavoured to deliver the highest degree of accuracy possible. However continuous improvement of our products is ADMIRAL policy. Therefore product specifications are subject to change without notice.

Readers and users are encouraged to notify ADMIRAL of errors and send in suggestions for improvements. All communications will be carefully considered for future printings of this manual and changes to our products.

2. SAFETY INSTRUCTIONS

This user manual must be read and understood prior to assembly, setup and servicing. All people using and servicing the L & XL CABLE GUIDES must familiarise themselves with the safety instructions and user guidelines written in this manual. This manual needs to be accessible for all users at all times.

LEGEND



DANGER

DANGER: Indicates a hazardous situation which, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations.



WARNING

WARNING: Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

CAUTION: Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE: Addresses practices not related to personal injury.

SAFETY INSTRUCTIONS

SAFETY INSTRUCTIONS: Is used for lists of steps, procedures or instructions that might otherwise substitute a DANGER, WARNING or CAUTION notification. Note that equivalent phrases, such as SAFE OPERATION PROCEDURES or SAFE SHUT DOWN PROCEDURE, can be used in place of the words “SAFETY INSTRUCTION”.



CAUTION

DO NOT lift or load above people without the following precautions:

- L & XL CABLE GUIDES must be taken out of service immediately if, during use, repair or maintenance damages are discovered.
- Remove people from the area during installation.
- Use solely instructed and/or trained personnel.
- Wear appropriate Personal Protective Equipment (PPE) such as hard hats and gloves during installation.
- Make sure there is adequate amount of working light during the installation of the product.

3. SCOPE

The intended use of the L & XL CABLE GUIDES is to guide power and signal cables safely and securely during a vertical lift of the trusses on which the guides are mounted. The L & XL CABLE GUIDES can be installed on 30 and 40 truss. The total maximum load supported is 430 kg, including the guide's own weight. Always make sure each cable has its own suspension point at the ceiling.

Any other way of use is considered to be a case of misuse. Solely the user is liable for any damage or injury resulting from such cases.



WARNING

Always consult the structural engineer of the building to ensure its structural integrity, before mounting a cable guide onto the ceiling.

4. LIMITATIONS OF USE



WARNING

Exceeding the limitations of use can severely endanger the audience and users.



WARNING

The cable guides can be used for lifting operations with a max speed of 8 m/min.



WARNING

The structural integrity of the connection to the ceiling and of the trusses is the sole responsibility of the user.

- The L & XL CABLE GUIDES can be mounted on 30 and 40 trusses with a main chord diameter of maximum 51 mm and a centre-to-centre distance of 236 mm to 242 mm or with an adapter for 339 mm to 350 mm.
- The L & XL CABLE GUIDES can be operated from -20° up to 60° Celsius.
- Ensure the ceiling construction can withstand the resulting self weight of both the cable guide and the installed cables, and always consult a constructor before mounting the cable guide onto the ceiling.
- Do not exceed the allowable maximum load of the cabling.
- To prevent lateral movement of the truss during operation, two cable guides can be used, positioned in opposite directions.
- The L & XL CABLE GUIDES must be inspected by a competent person as often as required but with a minimum of 1 x per year. Records of these inspections must be kept.
- Inspect equipment before every use. Damaged L & XL CABLE GUIDES shall be taken out of service.
- The L & XL CABLE GUIDES cannot be used outdoors.
- It is also imperative to observe the local accident prevention regulations and/or occupational health and safety regulations.

- Make sure that each cable in the cable guide has an independent secondary suspension to the ceiling.
- Use appropriate packaging to transport the products. e.g. a flightcase.
- The support structure, on which the L & XL CABLE GUIDES are used, might need to have electric potential bonding.
- Do not use the L & XL CABLE GUIDES to guide currents for electric potential bonding.
- Make sure the L & XL CABLE GUIDES, supporting structure and truss are dry and free of dirt.
- Solely use by ADMIRAL approved parts to replace damage or lost parts.
- Do not re-zinc steel components as they might be subject to hydrogen embrittlement.
- Tighten the U-bolts with a force of 10 Nm.



WARNING

Make sure the L & XL CABLE GUIDES are mounted level at the ceiling before attaching the cables.

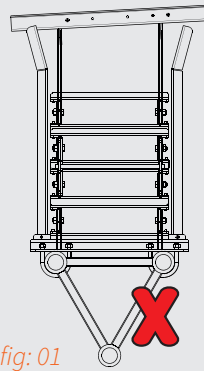


fig: 01

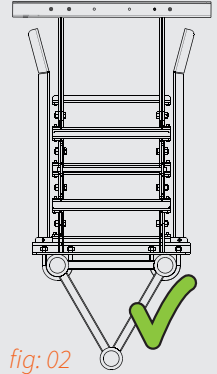


fig: 02



WARNING

Do not apply lateral loading (fig 01). It creates torsional forces and influences the stability of the supporting structure.

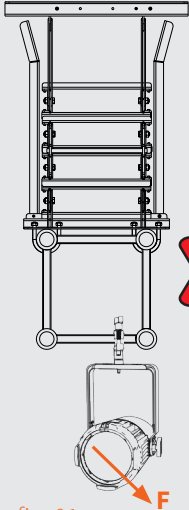


fig: 01

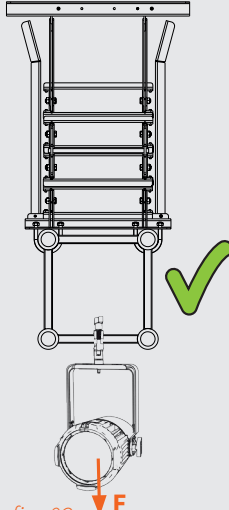
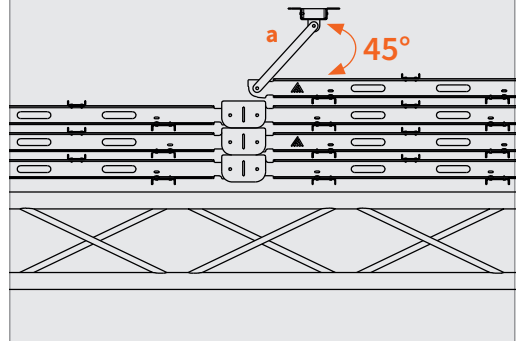


fig: 02



WARNING

Fix the upper hinge (a) of the cable guide with an angle of 45 dgr. This will provide the cable guide with free moving space and reduce lateral movement.



CAUTION

Do not throw the L & XL CABLE GUIDES, as it might damage the products.

5. TECHNICAL DATA

Top view

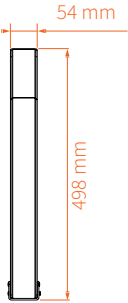
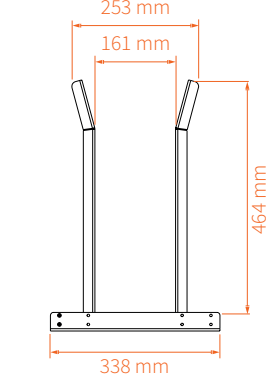
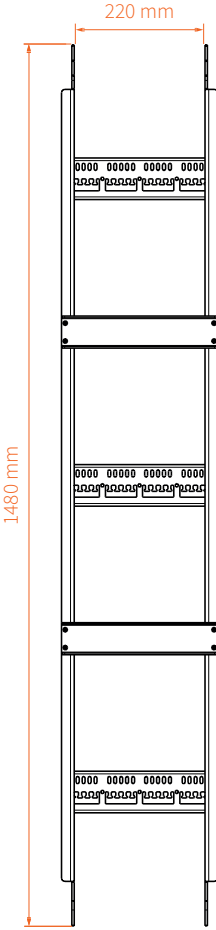
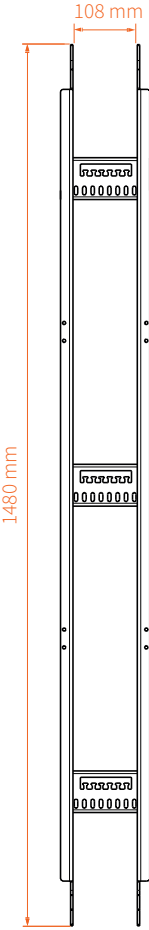
L guide catch arm

L length part

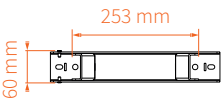
XL length part

Front view

Side view



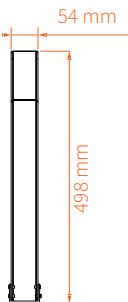
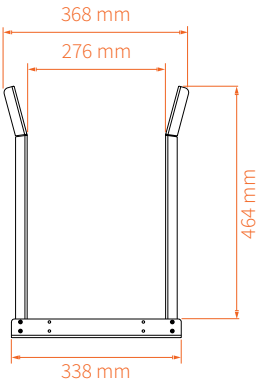
Top view



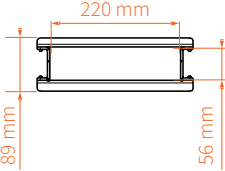
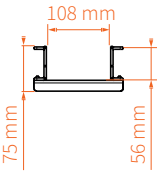
XL guide catch arm

Front view

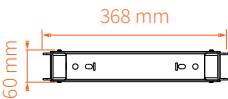
Side view



Front view

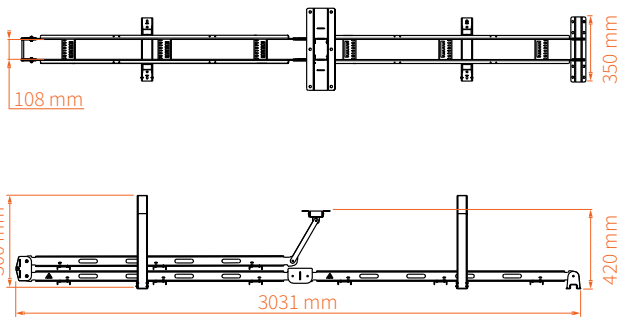


Top view



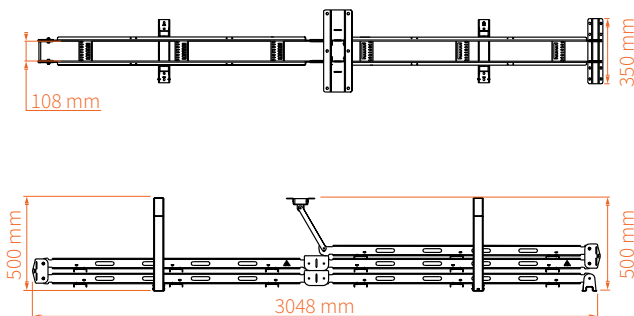
L cable guide base 3m - H 4.5m

Article code: RIKGL304B
EAN: 8720094420981
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 22.4 kg



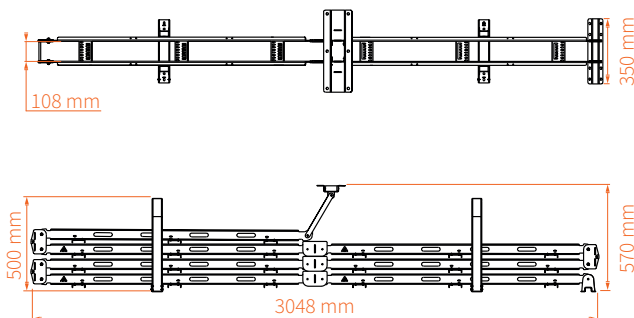
L cable guide base 3m - H 7.5m

Article code: RIKGL307B
EAN: 8720094420998
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 31.8 kg



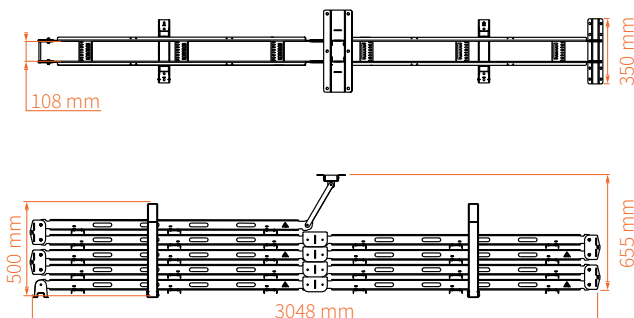
L cable guide base 3m - H 10.5m

Article code: RIKGL310B
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Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 41.9 kg



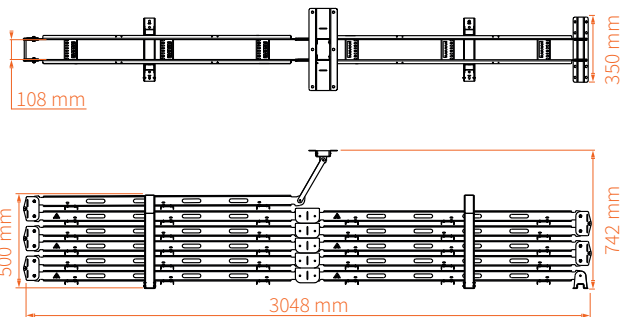
L cable guide base 3m - H 13.5m

Article code: RIKGL313B
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Material: hinges: steel
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Colour: black 30% gloss (RAL 9005)
Weight: 51.3 kg



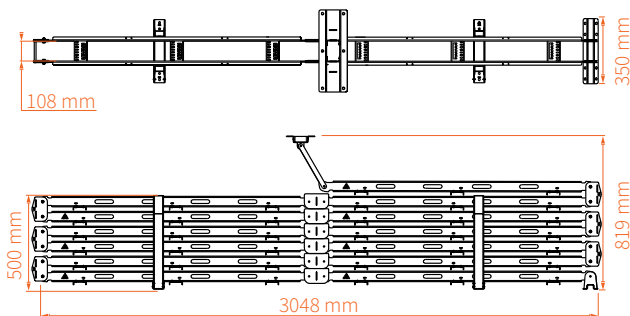
L cable guide base 3m - H 16.5m

Article code: RIKGL315B
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Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 61 kg



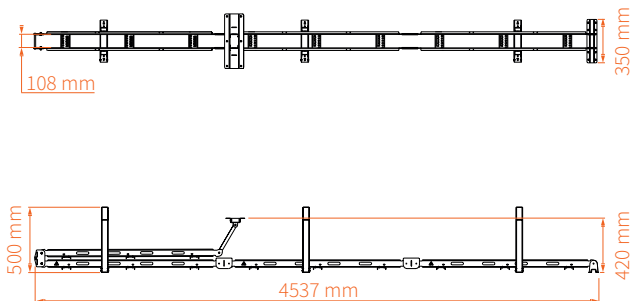
L cable guide base 3m - H 19.5m

Article code: RIKGL319B
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Weight: 70.7 kg



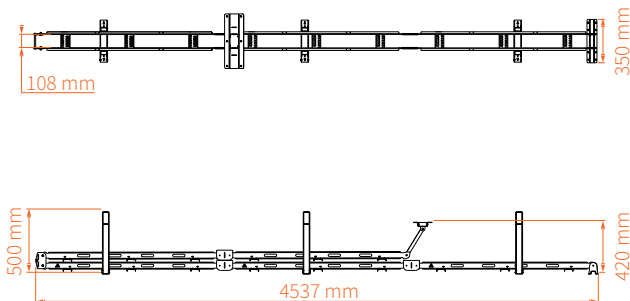
L cable guide base 4.5m - H 6m

Article code: RIKGL406B
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lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 28.3 kg



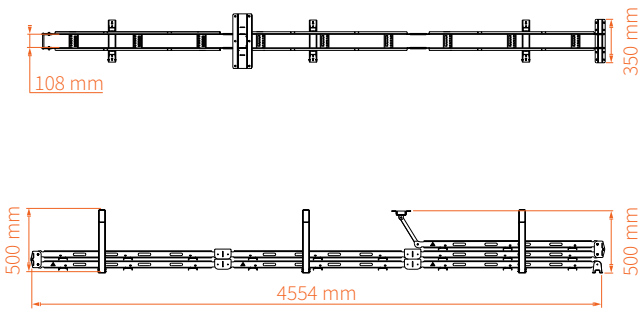
L cable guide base 4.5m - H 7.5m

Article code: RIKGL407B
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Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 32.6 kg



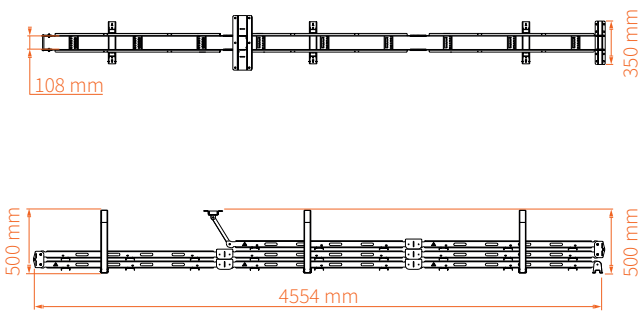
L cable guide base 4.5m - H 10.5m

Article code: RIKGL410B
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lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 42 kg



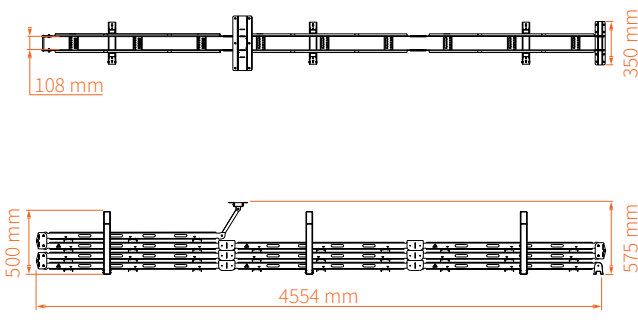
L cable guide base 4.5m - H 12m

Article code: RIKGL412B
EAN: 8720094421148
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Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 46.7 kg



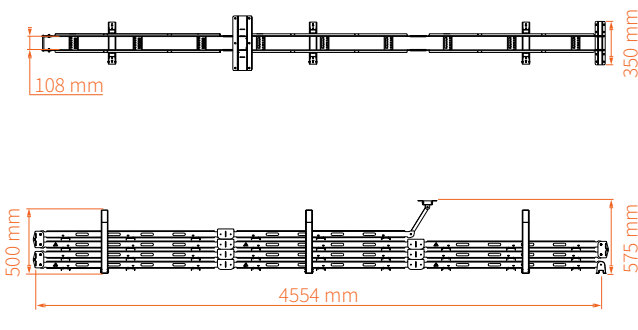
L cable guide base 4.5m - H 15m

Article code: RIKGL415B
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Colour: black 30% gloss (RAL 9005)
Weight: 56.4 kg



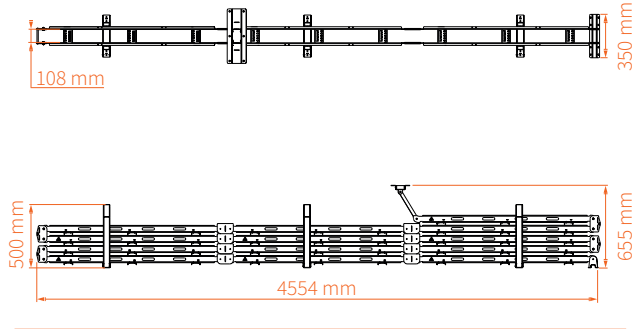
L cable guide base 4.5m - H 16.5m

Article code: RIKGL416B
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Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 60.7 kg



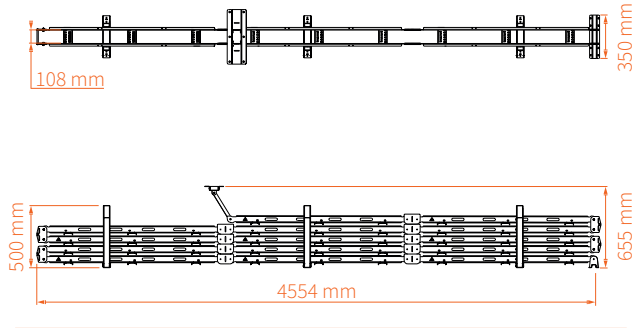
L cable guide base 4.5m - H 19.5mm

Article code: RIKGL419B
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Weight: 70.4 kg



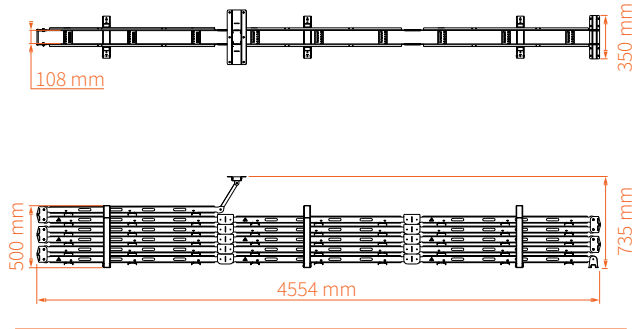
L cable guide base 4.5m - H 21mm

Article code: RIKGL421B
EAN: 8720094421209
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 74.8 kg



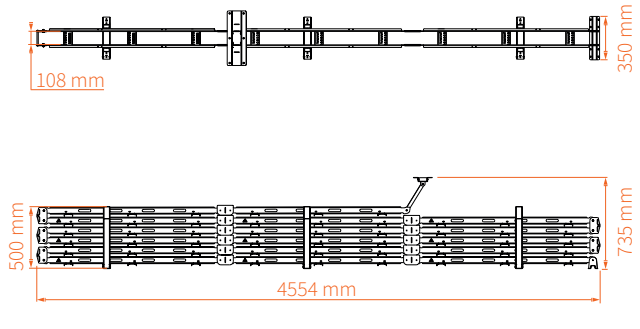
L cable guide base 4.5m - H 24mm

Article code: RIKGL424B
EAN: 8720094422282
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 83.5 kg



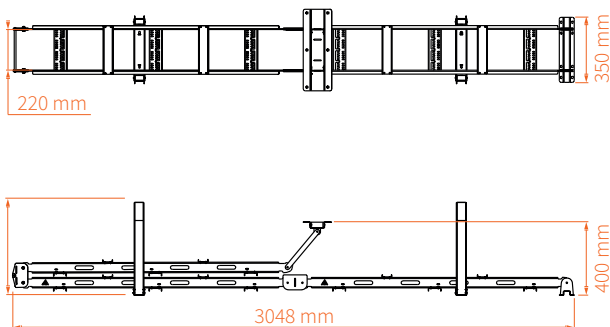
L cable guide base 4.5m - H 25.5mm

Article code: RIKGL425B
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Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 87.5 kg



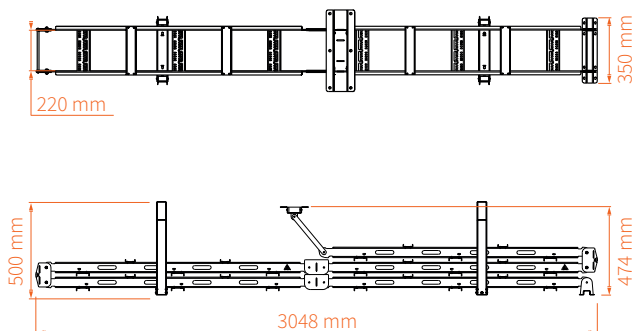
XL cable guide base 3m - H 4.5m

Article code: RIKGXL304B
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Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 24.3 kg



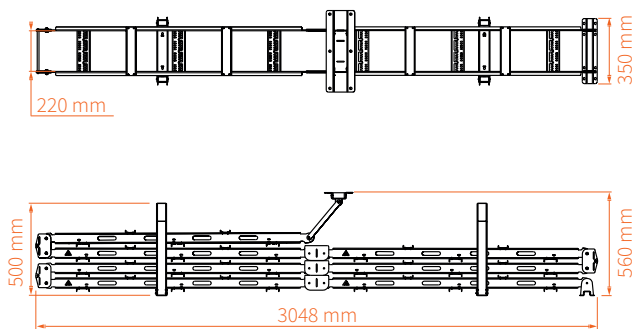
XL cable guide base 3m - H 7.5m

Article code: RIKGXL307B
EAN: 8720094421247
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 35 kg



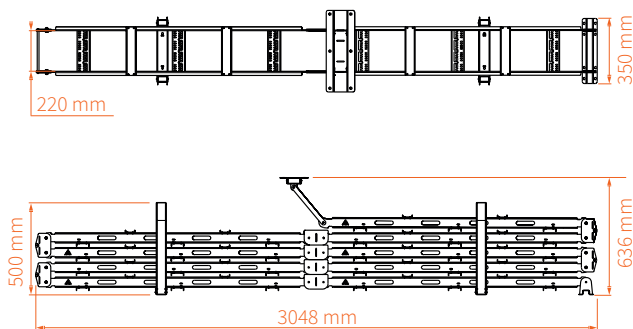
XL cable guide base 3m - H 10.5m

Article code: RIKGXL310B
EAN: 8720094421261
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 46.4 kg



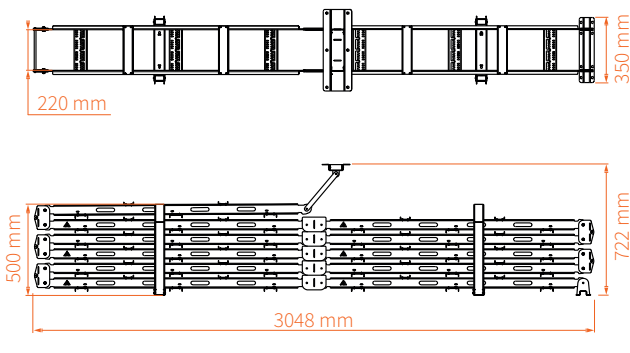
XL cable guide base 3m - H 13.5m

Article code: RIKGXL313B
EAN: 8720094421278
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 57 kg



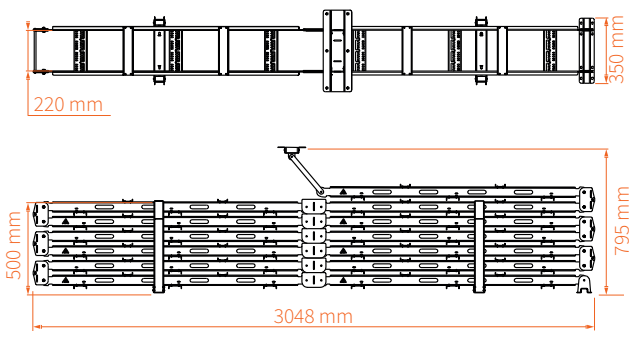
XL cable guide base 3m - H 16.5m

Article code: RIKGXL315B
EAN: 8720094421322
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 68 kg



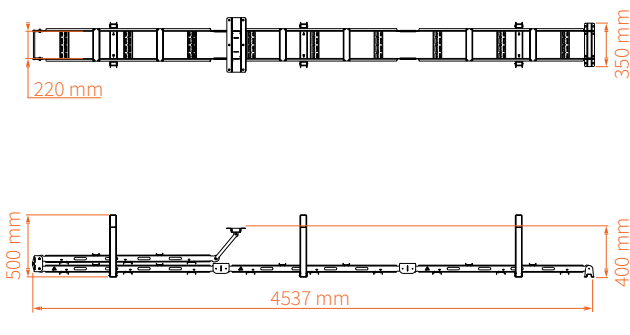
XL cable guide base 3m - H 19.5m

Article code: RIKGXL319B
EAN: 8720094421377
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 79.1 kg



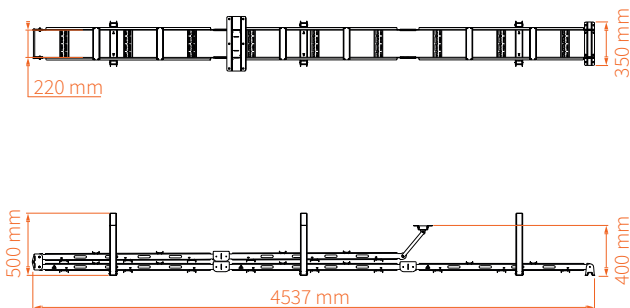
XL cable guide base 4.5m - H 6m

Article code: RIKGXL406B
EAN: 8720094421551
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 32 kg



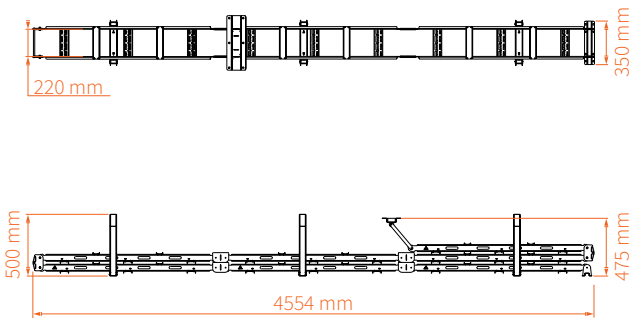
XL cable guide base 4.5m - H 7.5m

Article code: RIKGXL407B
EAN: 8720094421605
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 36.6 kg



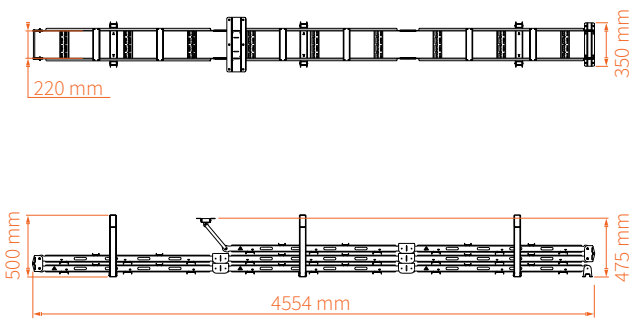
XL cable guide base 4.5m - H 10.5m

Article code: RIKGXL410B
EAN: 8720094421612
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 46.6 kg



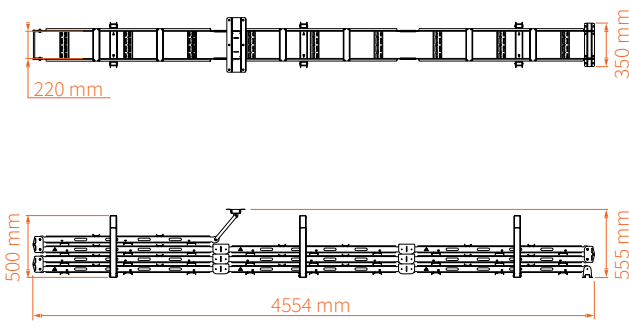
XL cable guide base 4.5m - H 12m

Article code: RIKGXL412B
EAN: 8720094421629
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 51.2 kg



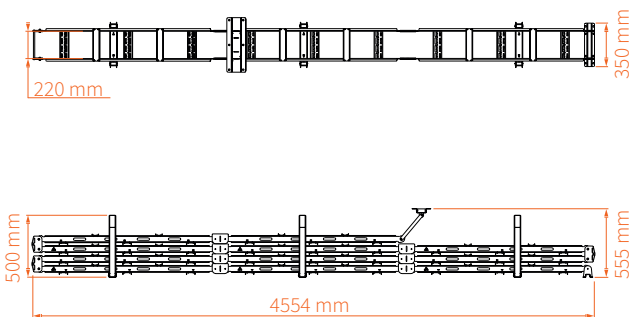
XL cable guide base 4.5m - H 15m

Article code: RIKGXL415B
EAN: 8720094421636
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 61.2 kg



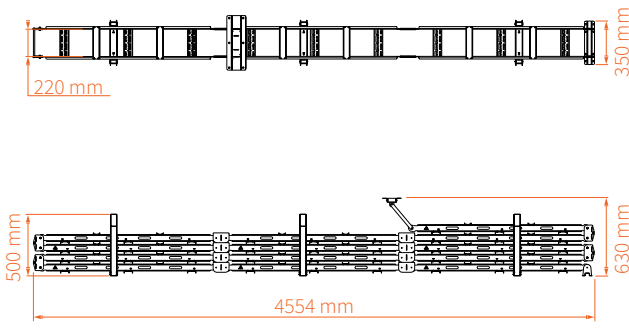
XL cable guide base 4.5m - H 16.5m

Article code: RIKGXL416B
EAN: 8720094421643
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 65.8 kg



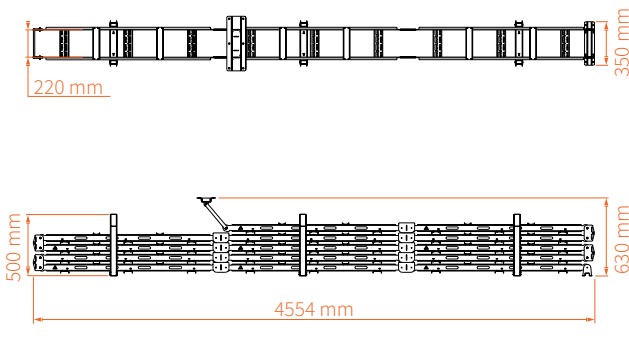
XL cable guide base 4.5m - H 19.5m

Article code: RIKGXL419B
EAN: 8720094421650
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 75.8 kg



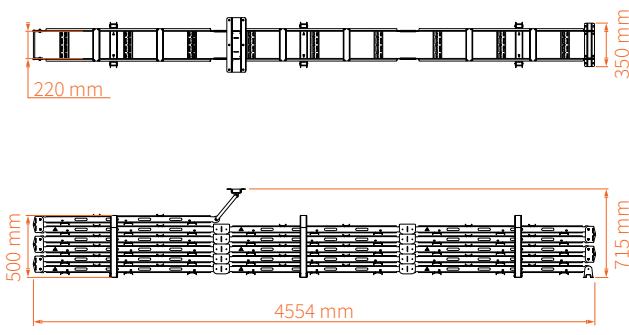
XL cable guide base 4.5m - H 21m

Article code: RIKGXL421B
EAN: 8720094421667
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 80.4 kg



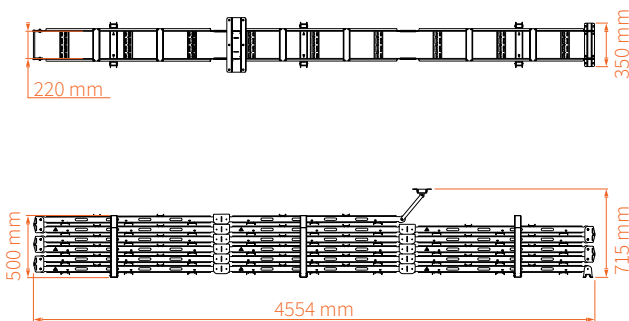
XL cable guide base 4.5m - H 24m

Article code: RIKGXL424B
EAN: 8720094422305
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 90.3 kg

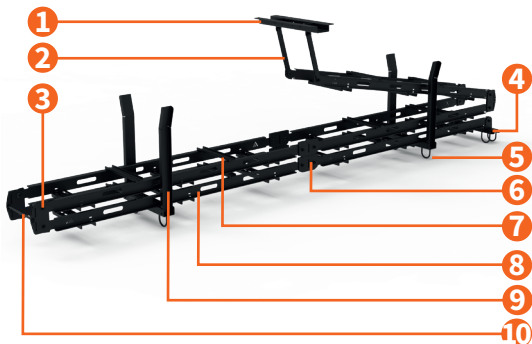


XL cable guide base 4.5m - H 25.5m

Article code: RIKGXL425B
EAN: 8720094422312
Material: hinges: steel
lengths parts: aluminium
Finish: powder coated
Colour: black 30% gloss (RAL 9005)
Weight: 94.9 kg



6. IDENTIFICATION



L & XL CABLE GUIDES

- | | |
|----------------------|------------------|
| 1 Upper hinge | 6 Centre hinge |
| 2 Hinge length strip | 7 Strength plate |
| 3 Corner hinge | 8 Length part |
| 4 Lower hinge | 9 Catch arm |
| 5 U-bolts | 10 Steel rod |

7. ASSEMBLY INSTRUCTIONS



WARNING

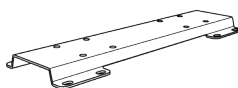
Inspect the L & XL CABLE GUIDES before use. Make sure all components are in place and in good order. If damaged, mark the item clearly and take out of service.

Make sure the L & XL CABLE GUIDES, supporting structure and truss are dry and free from dirt.

ASSEMBLY ADAPTER TRUSS 40

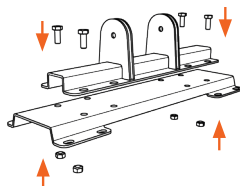
The L & XL CABLE GUIDES are designed to fit truss 30 as standard and can be mounted using the included U-bolts. If you are installing your L & XL CABLE GUIDE on truss 30, you can skip this section and continue to the “ASSEMBLY OF HINGES” subchapter.

To mount the L & XL CABLE GUIDES on truss 40, you will need a matching adapter. Follow the steps below to install the adapter on your cable guide.



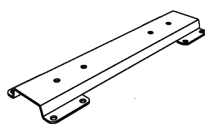
Step 1

Grab the adapter for the lower hinge. It has four holes on the top.



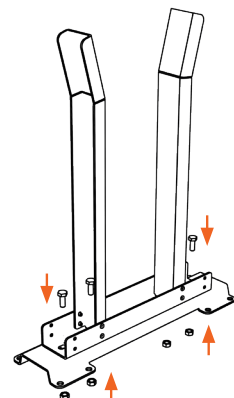
Step 2

Attach the adapter to the lower hinge using 4 M8 bolts and 4 M8 nyloc nuts, two on each side.



Step 3

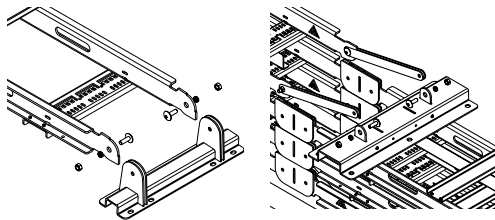
Next, get the adapter for the catch arms. It has two holes positioned next to each other.



Step 4

Secure the adapter on the catch arms using 4 M8 bolts and 4 M8 nyloc nuts, two on each side. Repeat the process for the other catch arms.

ASSEMBLY HINGES



Step 1

To mount the lower hinge onto the cable guide, first place the bearings in the holes of the length profile. Then slide the length profile in the lower hinge and secure the bolts through the hole from inside out.

Step 2

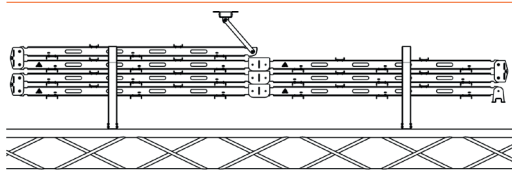
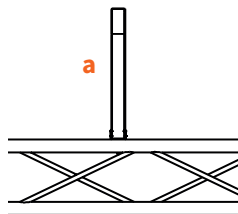
To mount the upper hinge onto the cable guide, start by placing the bearing in the upper hinge. Position the upper hinge on the cable guide with the lips facing upwards. Align the end of the hinge length strips (which are already mounted onto the cable guide) next to the upper hinge lips. Ensure the upper hinge lips are centered on both sides, then secure the bolts through the hole from the inside out.

ASSEMBLY CABLE GUIDE

Step 1

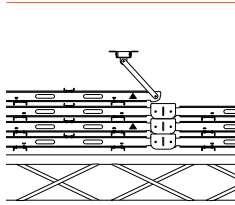
Place the 30 or 40 truss on the ground. Determine the position of the L & XL CABLE GUIDE on the truss.

Place the catch arms (a) on the truss so that they end up in the middle of the longitudinal sections each time. Do not fix the catch arms until Step 4 is completed.



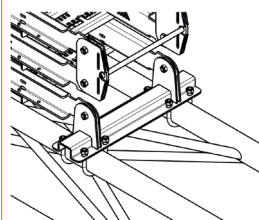
Step 2

Place the cable guide on top of the truss and ensure it is positioned correctly.



Step 3

Determine the location for the upper hinge on the ceiling, make sure it is mounted at a 45° angle. See section "INSTALLATION UPPER HINGE".

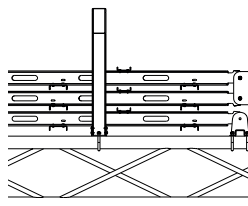


Step 4

Fix the lower hinge element on the truss with the supplied U-bolts and tighten them with a force of 10 Nm.

Step 5

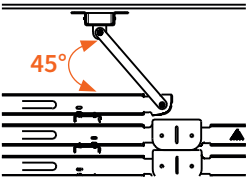
Position the catch arm elements on the beams of the truss and fix these with the supplied U-bolts. Tighten the U-bolts with a force of 10 Nm.



INSTALLATION UPPER HINGE

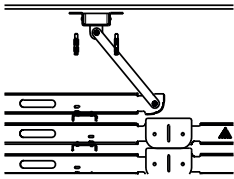
NOTICE

The position of the hinge strip is very important. Ensure that the top of the foundation always points in the direction of the hinge underneath. This alignment should create an angle of approximately 45 dgr.



Step 1

Pull the hinge in the direction of the ceiling and position the upper hinge at the determined position, ensuring the 45-degree angle is maintained.



Step 2

The upper hinge has 11 mm holes for mounting it to the ceiling. The correct means of connection to the upper structure has to be determined by the user.

NOTICE

To assemble an L & XL CABLE GUIDE with divider inserts, follow the setup instructions provided in the Divider Insert manual.

TIP

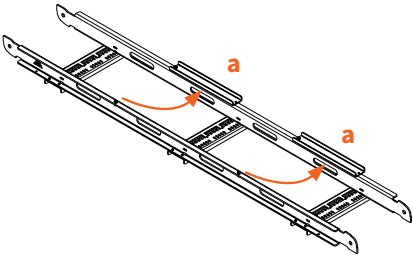
When it's time to route the cables, it's easier to stretch the L & XL CABLE GUIDE to its full length first.

The plates (a) on top of the length parts are held in place with a bolt and nut on each side. Remove the bolt and nut from one end and move the plate aside to make space for routing the cables.

After the cables are in place, push the plates back into place and secure them with the bolt and nut.

CAUTION

Do a test run after installing the L & XL CABLE GUIDES.



CAUTION

Ensure that each plate is secured back in place with its bolt and nut.

8. STORAGE

The L & XL CABLE GUIDES must be stored in a dry, non-aggressive environment.

- Make sure the parts cannot bend.
- Avoid vibrations. Rubbing parts can cause excessive wear and tear.

9. MAINTENANCE & REJECTION CRITERIA

SAFETY INSTRUCTIONS

The L & XL CABLE GUIDES hardly needs any maintenance under normal use and environmental circumstances. For safety reasons however, all parts must be checked regularly for dirt, damages, loss and corrosion.

The L & XL CABLE GUIDES shall be checked in compliance with the local law by a competent person. Maintenance should be done once a year. Maintenance consists of the necessary periodical checks and the lubrication of the system.

All hinge points are equipped with ball bearings to minimize wear. This also reduces wear on the hinge bolts. All bolts utilized for the cable guide system are self-locking.



CAUTION

Ensure that the bolts can have a slight degree of movement within the hinges; do not overtighten them.



WARNING

If damaged, mark the item clearly and take it out of service.



WARNING

Please inform your supplier immediately about any defects in the cable guide system.

- Check all components for damages like cracks, deformations, scratches and corrosion. Damaged and corroded parts shall be rejected and thrown away.
- In general, scratches > 10% of the wall thickness mean the products needs to be rejected from use.
- In general, deformations > 10% of a straight line from the outer surface mean the products needs to be rejected from use.
- Remove all sharp and rough feeling edges and surfaces by using sand paper or a file.
- Check welds for cracks. If cracked, replace.
- The hinges consist of moving metal parts with a small gap between them. These should be cleaned during periodic maintenance. It's advisable to apply a lubricating substance such as oil, silicon spray or graphite.

Periodical check

Periodical checks should be done at least every 6 months or after 200 hoisting / lowering movements of the system. Periodical checks shall be documented and filed.

Hinges: Check whether all hinge bolts are still fastened. Make sure that you never tighten the bolt-nut too much. The bolt-nut should always be able to rotate freely. Check whether the bolt-nut can be rotated easily with a wrench.

Cables: Inspect the cables for any signs of wear. If there are indications of wear, it could suggest internal damage or a similar issue.

SAFETY INSTRUCTIONS

Situations that require immediate intervention by the supplier:

- Deformation / distortion of one or more of the metal parts of the cable guide.
- Loose nuts.
- The missing of one or more nuts and/or bolts of the system.
- A distinct presence of wear grit around or close to one of the hinges.
- Worn cables.
- Strong deformation/distortion of one of the metal parts.

10. WARRANTY

- For a period of 24 months we will repair, free of charge, any damage attributable to faulty materials or workmanship under the condition that the equipment is forwarded, freight paid, to our warehouse or one of the ADMIRAL distributors' warehouses.
- The warranty-period begins with the day of the delivery, proven by a purchase receipt like an invoice or delivery note or their copies.
- The warranty does not cover damage due to transport, negligent handling, overloading the equipment or parts subject to normal wear and tear signs. Nor damages that originate from a case of misuse because of nonobservance of the safety regulations in this instruction manual.
- The warranty will be invalid when other parts than the original ADMIRAL parts have been used or modifications of our design have been made by third parties.
- Warranty repairs do not renew nor extend the warranty-period.
- In case of a claim that falls under the warranty , e.g. a malfunction or spare part requirements please contact your point of sale or ADMIRAL.
- The manufacturer is not liable for indirect consequential damage and financial loss.
- The manufacturer shall not be liable for any changes made to the L & XL CABLE GUIDES parts nor for any damage resulting from such changes.

