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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.

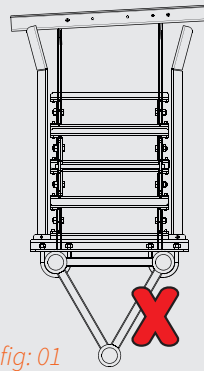


fig: 01

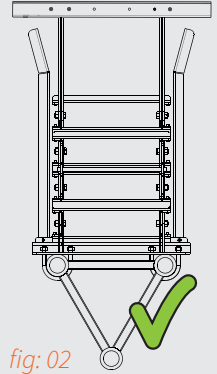


fig: 02



WARNING

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

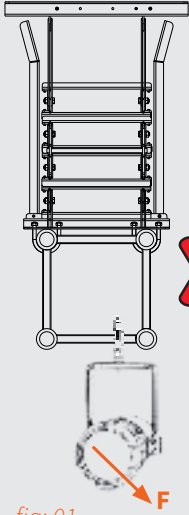


fig: 01

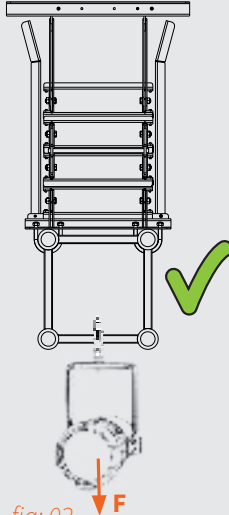
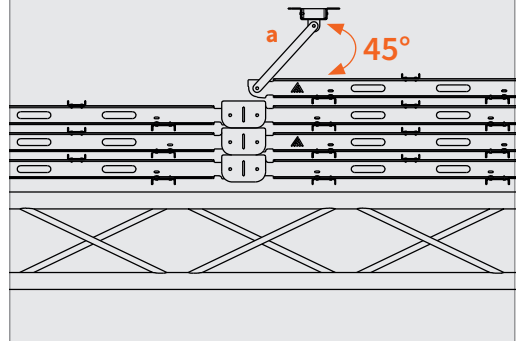


fig: 02



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.