



RAFA L
Instructions for Use

RAFA L (Rope Access Fast Anchor - L)

Tested in Accordance to:
EN795:2012 TYPE B
CEN/TS 16415:2013 TYPE B

**WARNING!
EXPERT USE
ONLY**

These instructions DO NOT inform you of every possible hazard and every conceivable risk relating to the use of this equipment.

The environment where this equipment can be used may be inherently dangerous. Activities performed within these environments carry a high risk of injury and death. Although proper training and experience may reduce this risk, ultimately the risk cannot be eliminated.

Do not use this equipment unless you fully understand and assume all risks and responsibilities for all damage / injury / death that may result from use of this equipment or the activities undertaken with it.

This equipment is intended for use by medically fit, specifically trained and experienced users.

All users of this equipment must obtain and thoroughly understand the user instructions and refer to them before each use.

Any time a person is suspended by a rope based system, a secondary system should be in place in case of a component failure. You must always have a backup and never trust a life to a single tool or component.

The user must have a rescue plan and the means to implement it. Inert suspension in a harness can quickly result in death!

Do not use around electrical hazards, moving machinery, or near sharp edges or abrasive surfaces.

Do not exceed the working load limit of the equipment.

Verify compatibility with other components of your system. Incompatible connections can cause detachment, breakage, etc.

Highnovate is not responsible for any direct, indirect or accidental consequences or damage resulting from the use or misuse of this product.

The user must stay up to date! Regularly access the Rock Exotica website and read the latest advice and user instructions.

Manufacturer information:
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info@highnovate.com

(EN) ENGLISH

The RAFA L is a portable and fast anchor device. It was designed to be used in an urban environment and can be rapidly placed on a variety of structural elements you can find in a building or on a roof. It adjusts easily to fit different beams, edges, walls etc. The device can be used as a rope access anchor, or work placement connection point as part of a PPE system. Afterwards it can be easily removed or placed in a different spot.

Limitations On Use:
The RAFA L is designed to be part of a PPE system that will protect the user against falls from height during work activities when used in conjunction with a full body harness and a device that limits the load transmitted to the user to 6 kN. It is impossible to imagine all the ways this equipment can be misused. It must be used only for the specific purpose it was designed for; it must not be used for any other. Only the loading in the "OK" box is allowed. Each user is responsible for making a risk assessment prior to using this product. The product was designed to work in a temperature range of -20 to +50 degrees celsius (-4 to 122 degrees fahrenheit).

Lifetime:
Unlimited for metal products, but will often be much less depending on conditions and frequency of use; it could even be a single use in some cases.

Environmental Factors:
Moisture, ice, salt, sand, snow, chemicals and other factors can prevent proper operation or can greatly accelerate wear.

Medical:
It is intended for use by medically fit, specifically trained and experienced users. Never use this device if you are feeling tired, drowsy or under the effect of alcohol, drugs or any other substance that may affect your judgement or limits your physical ability.

Compatibility:
Any equipment used with the RAFA L must be certified for use as Personal Protective Equipment (PPE). An incompatible connection can cause accidental disconnection, breakage, or affect the safety function of another piece of equipment. You must verify the suitability of this equipment for use in your application with regard to applicable governmental regulations and other standards on occupational safety.

Re-Sale:
If re-sold outside the original country of destination, CE guidelines require the re-seller of the RAFA L to provide instructions for use, maintenance, periodic examination and for repair in the language of the country in which this product is to be used.

Principal Material Aluminum alloy, anodized.

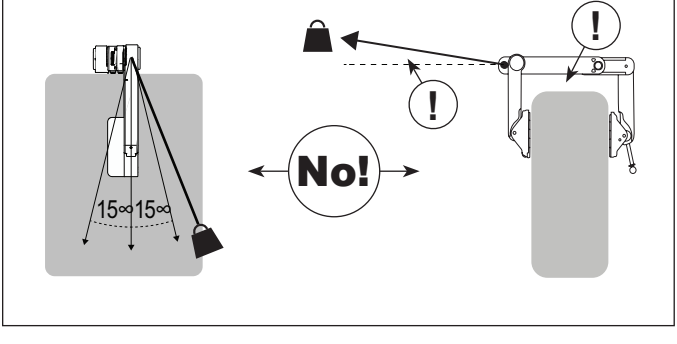
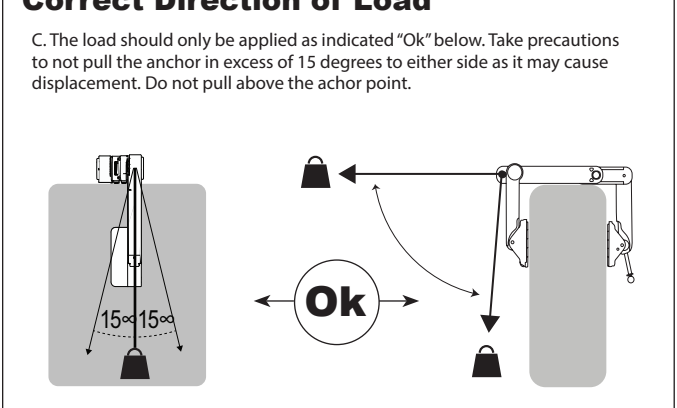
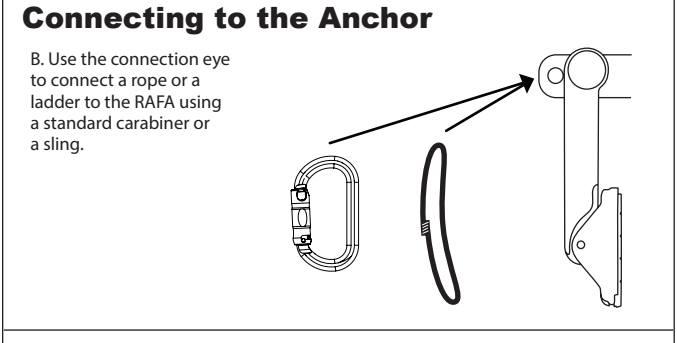
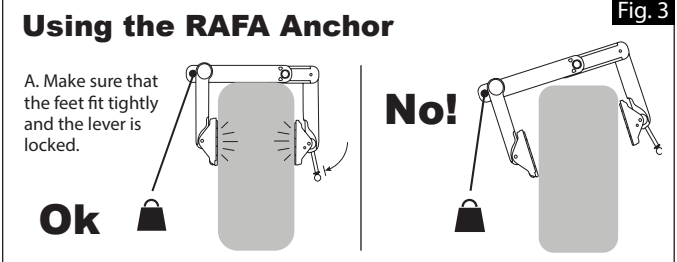
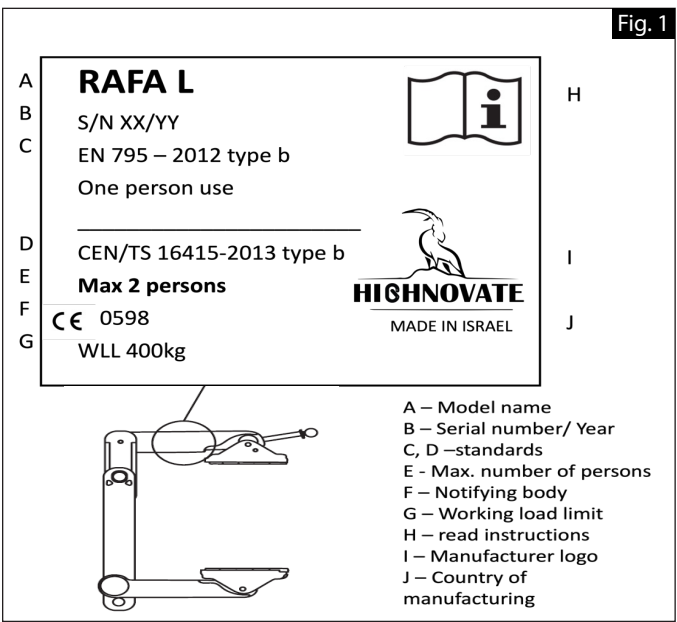
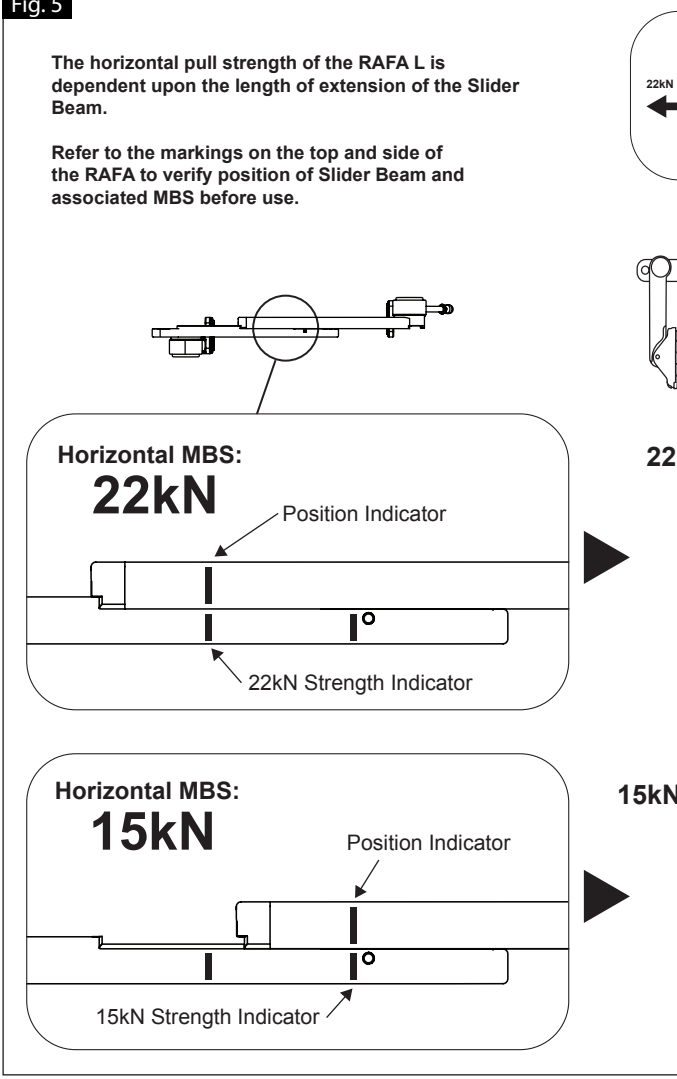
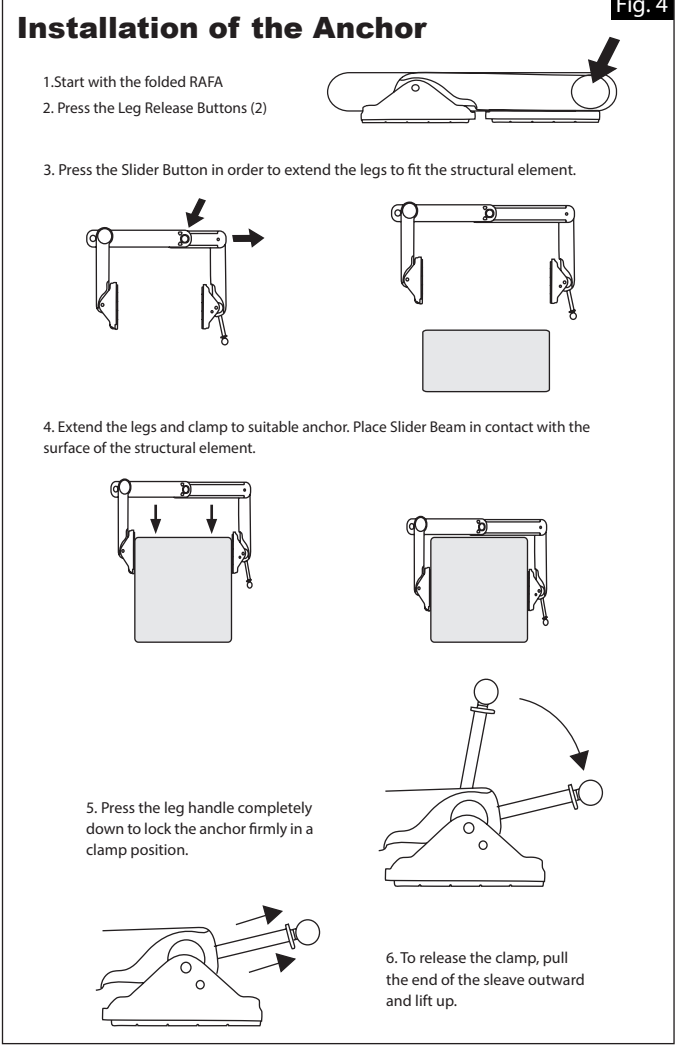
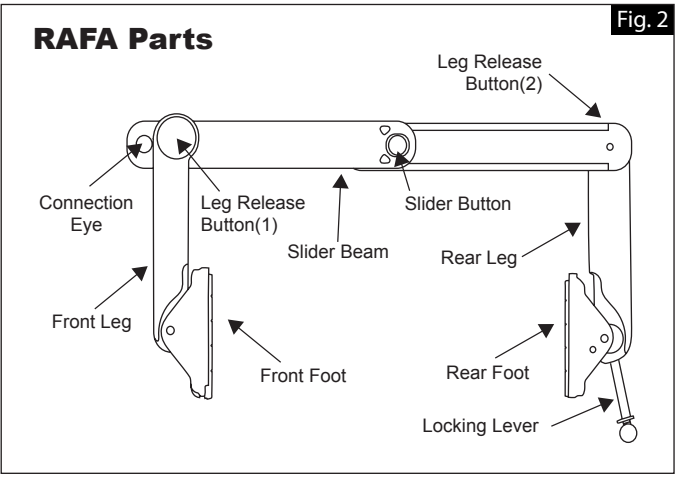
Inspection Before & After Each Use:
In addition to the detailed periodic inspection, the RAFA L must be inspected before and after each use. Check all parts for cracks, deformation, corrosion, wear, etc. Verify sliding beam, leg joints and lever all move and rotate freely. Verify the security of the Lock Lever when in locked position. Verify that the legs rotate freely when the Leg Release Button(s) is pushed, and that the legs lock securely when the button is released. The function of these parts must not be impaired by foreign matter such as dirt, ice, corrosion, etc.

If any signs of significant wear appear on the rubber foot pads, replace them before using the anchor again. A replacement kit is available from an authorized distributor.

Inspection During Use:
Regularly inspect and monitor your system, confirming the correct positioning of the RAFA L and tension against the supporting anchor. Prevent any contact between the RAFA L anchor and any other objects that can interfere with the ability to arrest a fall, or move it from its original placement. If during usage the RAFA L starts to move from its placement, stop using it immediately. Do not continue until you can establish a suitable placement.

Detailed Inspection:
In addition to inspection before, during and after each use, a detailed inspection by a competent inspector must be done at least every 12 months or more frequently depending on amount and type of use, government regulations, and environmental conditions. Check all parts for:
• Sharp edges
• Nicks, gouges, dings, wear, scratches or indentations deeper than 1mm
• Permanent deformation

SPECS	RAFA L
MBS Horizontal Pull	15 kN, 22 kN
MBS Vertical Pull	22 kN
Wall / Beam Thickness	≤ 41 cm
Weight	4.5 kg
Dimensions Folded	35 x 11 x 8 cm (13.7" x 4.3" x 3.1")
Certification	EN795:2012 Type b, CEN/TS 16415 - 2013 type b



• Misalignment of joining parts
• Bent, twisted, distorted, stretched, elongated, cracked, or broken components
• Unauthorized replacement components
• Legibility of the product markings
• Evidence of:
a. Being dropped
b. Excessive loading
c. Corrosion
d. Exposure to heat, including weld spatter, arc strikes, or discoloration of the surface
e. Unauthorized modification or repair

Retire from service immediately if the RAFA:
1. Arrests a fall or is significantly loaded.
2. Does not pass inspection or there is any doubt about its safety.
3. Is misused, altered, damaged, exposed to harmful chemicals, etc.

Do not return to service until the unit in question has been inspected and approved for use in writing by a competent person that is authorized to do so. Contact the manufacturer if you have any doubts or concerns.

Inspections should be performed by a competent person whose training meets the applicable standards and/or laws for the inspection of life safety equipment. An inspection log including the date, inspector's name, and result of the inspection should be kept as a permanent record. It is best to issue new equipment to each user so they know its entire history. Repairs or modifications to the equipment are only allowed by the manufacturer or those authorized in writing by the manufacturer.

Make a copy of these instructions and use one as the permanent inspection record and keep the other with the equipment. It is recommended that a similar record is kept for all components used in a system.

It is best to issue new gear to each user so they know its entire history. Periodic detailed inspection shall use the same criteria as inspection before and after each use. Additionally, periodic inspection will verify legibility of product markings. User safety depends upon the durability and correct function of the equipment.

Maintenance & Storage:
Clean if necessary with fresh water, then allow to dry naturally completely before storing. If there is still dirt in the moving parts, use air pressure to remove it. Light surface corrosion may be removed with a wire brush (no power tools). Retire if corrosion is heavy. Store or transport in a dry place away from extremes of heat and cold and avoid exposure to chemicals.

With the exception of the rubber feet, repairs or modifications to equipment are only allowed by the manufacturer or those authorized in writing by the manufacturer.

The RAFA anchor should be placed only on solid parts in a structure that are strong enough to hold the force that may be applied during usage. It can be placed on doorways, concrete beams,

window edges and walls that are strong and stable. Consult an engineer or a person qualified to assess the strength of the anchor.

Make sure that the anchor is stable before using. Try to move it to the sides and to the direction in which it should be loaded. Check that it is not moving or tilting.

The anchor should normally be above the user's position and conform to the applicable standard. The placement should take into consideration the possibility of a fall and should minimize the potential fall distance or hitting an obstacle. You are responsible to verify the suitability of this equipment and your anchor and other gear with regard to governmental, and all other other, applicable standards. The clearance under the user must be sufficient to prevent him from striking an obstacle in case of a fall (the length of the connector can influence the height of a fall).

For Fall Arrest:
The user shall be equipped with a means of limiting the maximum dynamic forces exerted on the user during the arrest of a fall to a maximum of 6 kN

The full magnitude of force from the load is transmitted through the RAFA L to the anchors attached to the structure. The maximum load that can be transmitted is 9kN.

When the RAFA L is used in accordance with EN 795 as a personal fall protection anchor, the RAFA L shall not be used for lifting equipment.

For further reading of the regulation:
<https://www.cen.eu/Pages/default.aspx>
EU declaration of conformity can be found in www.Highnovate.com

Conformity assessment
Conformity assessment was done and controlling of manufacturing is done by notified body No.0598
SGS FINLAND OY, Takomotie 8, Helsinki, 00380, Finland

To comply with ANSI, follow these requirements:
ANCHORAGE STRENGTH:
The Anchorage strength required depends on the application type. Following are the requirements of ANSI 359.1 for these application types:

Anchorage & anchorage strength:
Anchorage and anchorage strength requirements are dependent on the full body harness application. In accordance with ANSI Z359.1, anchorages selected for fall arrest systems must meet the anchorage strength requirements defined below.

Anchorage Strength Requirements
Fall Arrest
Non-Certified Anchorage: 5000 lbs. (23 kN)
Certified Anchorage: 2 Times the Maximum Arresting Force for Certified Anchorage

Restraint
Non-Certified Anchorage: 1,000 (4.5 kN)
Certified Anchorage: 2 times the foreseeable force for certified anchorages.

Work Positioning
Non-Certified Anchorages: 3,000 lbs (13.3 kN)
Certified Anchorage: 2 times the foreseeable force for certified anchorage.

Rescue
Non-Certified Anchorage: 3,000 lbs (13.3 kN)
Certified Anchorage: 5 times the foreseeable force for certified anchorage.

Climbing
The structure which a climbing system is attached must sustain the loads required by that particular system. See the instructions for the climbing system for requirements.

DATE	CONDITION	INSPECTOR

DOCUMENTATION	
Model	
Complete Batch #	
Year of Manufacture	
Purchase Date	
Date of 1st Use	
User	