

ALSIPERCHA MOBILE BASE UNIT

Technical sheet and installation process



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Description

The engineered MOBILE BASE UNIT designed for the Alsipercha, protect workers from the risk of falling from heights, providing portability and high versatility of location with no need to anchor the system.

The system has been designed to provide overhead fall protection to users when there is no possibility to install permanent fall protection systems, or there is the need to provide fall protection in different places and areas frequently.

It consists of a main **Alsipercha body**, fastened to a **MOBILE BASE UNIT** set, that provides the stability of the whole system thanks to a set of counterweights (1000-1200 kg).

Certified according to CE (EN 795:2012 type E) (Notified body DEKRA 0158)

Engineered according to ANSI/ASSE Z359. 18-2017 (Notified body DEKRA 0158)

Safety warnings

The **Alsipercha MOBILE BASE UNIT** has been designed to protect workers when there is a risk to fall from heights.

- Under no circumstances shall the product be used as a makeshift crane or lifting/lowering device.
- Under no circumstances shall any items, other than those provided with the system be used either in replacement or through preference as this may affect the performance of the product.
- Care should be taken in the transportation of the product between uses and locations. If any damage occurs or is detected in any part, the item should be withdrawn from use, inspected by a trained person and replaced if required.
- Care should be taken in the installation of the product and if any damage occurs or is detected in any part, the item should be withdrawn from use, inspected by a trained person and replaced if required.
- The location where the **Alsipercha MOBILE BASE UNIT** is being used should have a rescue plan in place, in the event of a fall incident.

- The device is only intended for use by one person at a time. **Under no circumstances shall multiple persons be attached to the device.**
- When a crane is lifting the Alsipercha unit, be aware of the movements made by the crane and keep workers at a safe distance.
- The **Alsipercha MOBILE BASE UNIT** is intended to be used within a zero factor fall arrest system. Make sure that the anchorage is always overhead and the lifeline is taut between the anchorage point and the worker.
- In case that this product is re-sold outside the original country of destination, it is essential that the reseller provides user instructions in the language of the country in which the system is to be used.
- Under no circumstances shall any item other than those provided with the system be used either in replacement or through preference as this may affect the performance of the product.
- The equipment must be inspected before each use.
- Do not use damaged or rusty materials, as this may affect product performance.

Always remember:

- Plan fall prevention at an early stage, this will benefit everyone.
- Use only safety-checked products.
- Restrict access below and around installation and working area to prevent injury to others from any fall hazard.
- Use tools designed for the type of work to be carried out.
- Keep the installation area in order.
- A safe workplace is a good workplace.
- Many fall accidents occur from a low height.
- Parts might be slippery when wet, be cautious when handling.

Check list prior to usage

Checking of the system shall be performed before each use, if any of the listed statements below are not satisfied make sure to correct any issue before using the product.

Checking includes the following steps (made by a qualified person):

- Ensure that there is no weld damage or deformation to any part of the system.
- Ensure that no corrosion that can affect the strength of the system has occurred.
- Ensure that the Feet are fully adjustable.
- Ensure that the base unit is level (uneaven not higher than 10°)
- Ensure there are no loose parts e.g. gravel, dirt, concrete etc. in any sleeves or tubes where another part shall be inserted.
- Ensure the correct insertion of the Alsipercha unit, and it rotates freely 360°.

Components of the system

The system consists of a base, a post for housing the Alsipercha unit, and manual counterweights, that will provide the stability to the whole System in case of a fall.

The base is made by a circular steel plate with a 1320 mm diameter, with four star-shaped extensions to house the support levelling feet (maximum width 2240 mm).

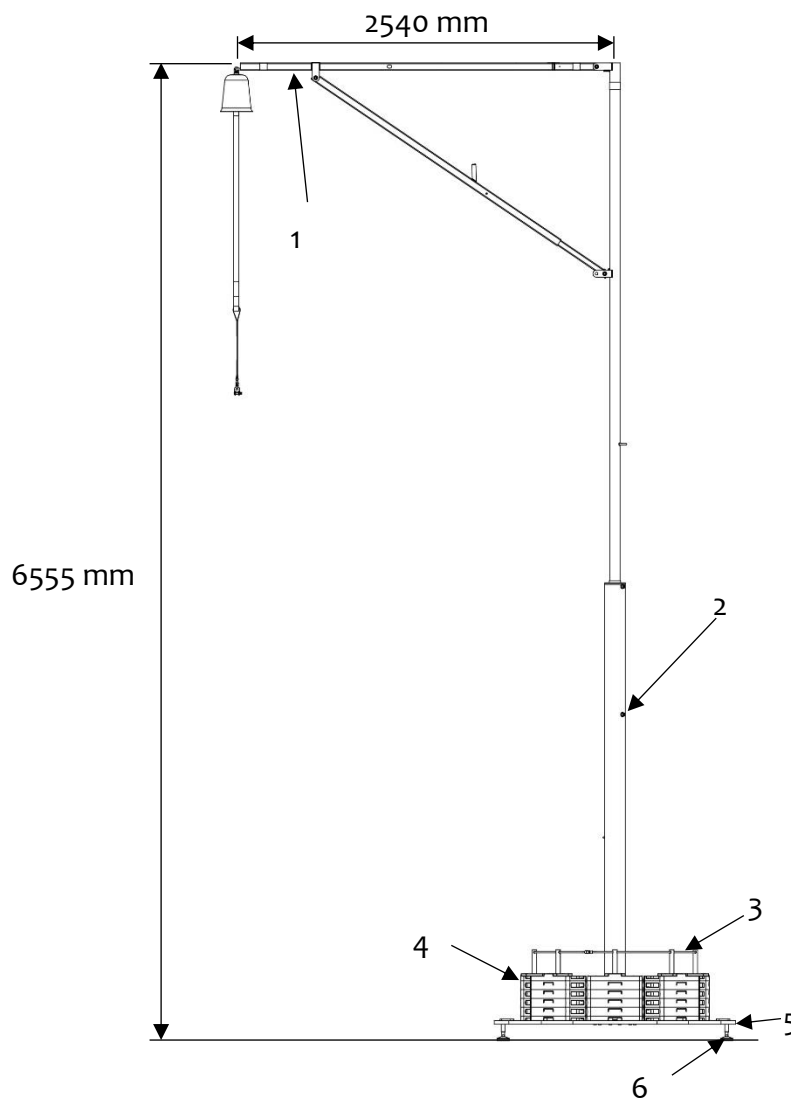
The base also includes a built-in level, rubber stickers for the location of the manual counterweights, 6 M20 bolts and bars to fit the counterweights.

In the center are the holes to install the main post that will House the Alsipercha, by using 6 M20 bolts.

The 40 rectangular counterweight blocks weighing 25 kg each (supplied with the System), must be placed over the base rods. This weight will provide the System stability in case of activation due to a fall of a user.



Dimensions



Reference	Units	Description
1	1	Alsipercha unit
2	1	Post
3	1	Safety lock
4	40	Manual counterweights (25kg)
5	1	Base (including level, rubber stickers, adhesives, M20 bolts and counterweight bars)
6	4	Leveling feet

Assembly process

The following sequence of steps must be taken in order to correctly assembly the anchoring system:

1. Position the base in the place chosen for its location. The leveling feet are capable of absorbing unevenness up to 10°.
2. Adjust the leveling feet using the level installed on the base, as a guide.

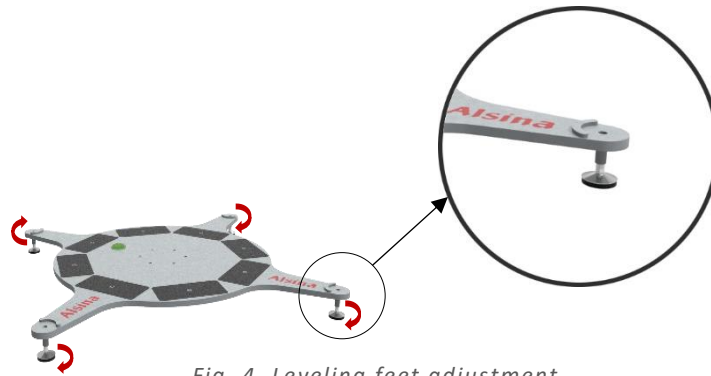


Fig. 4. Leveling feet adjustment

3. Position and fasten the post unit to the base, by using the M20 bolts provided.

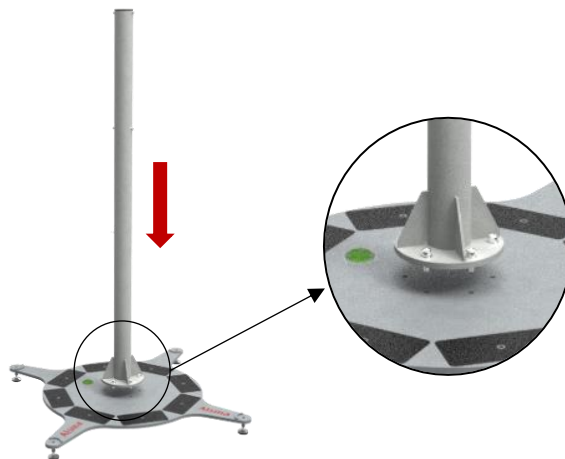


Fig. 5. Positioning and fastening of the post.

4. Position and fasten the **Alsipercha** to the **MOBILE BASE UNIT**, by using an auxiliar equipment.

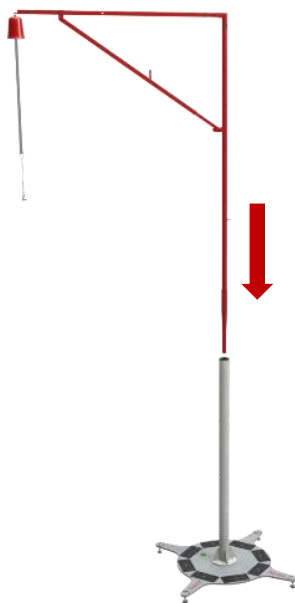


Fig. 6. Positioning and fastening the Alsipercha.

5. Thread the bars by using the specific wholes on the base, placing the upper holes so that the safety lock can pass through them correctly.

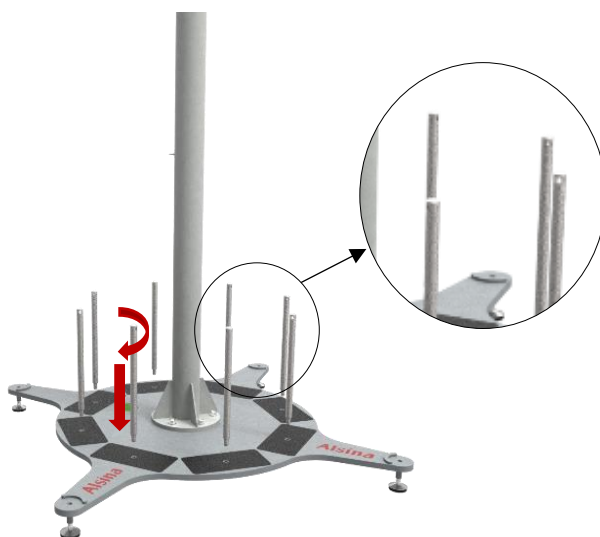


Fig. 7. Fastening the counterweight bars.

- Place the 40 manual counterweights in their positions (total 1000 kg.).



Fig. 8. Positioning the counterweights

- Fit the safety lock to prevent the counterweights from being handled.

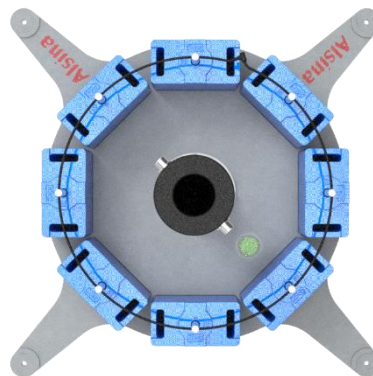


Fig. 9. Base with safety lock installed

- Finally, check the level of the base again and correct if necessary, and ensure the correct installation and free rotation of the **Alsipercha** (360°).

Assembly material

- No other material apart from that supplied is required.

Tools

- 17 mm. fixed wrench.
- 17 mm. hexagonal wrench (Allen).

Lifting methods

Crane truck or according lifting equipment.