

Instructions manual for positioning belts type C1, C11, V1, V11, V15 PLASMA, KOALA certified according to EN 358

Dear customer,

Thank you for purchasing a VERTIQUAL® product!

You have just purchased a high quality product that will reliably protect you and will be your companion for a long time when working at heights and depths. For your safety, please refer to the operating instructions below. We wish you all the best with your new PPE!

Product overview

C1 / C11



* C1 - without positioning lanyard
C11 - with positioning lanyard

V1 / V11



* V1 - without positioning lanyard
V11 - with positioning lanyard

KOALA PLUS



* KOALA - without positioning lanyard
KOALA PLUS - with positioning lanyard

V15 PLASMA WEB



* V15 PLASMA - without positioning lanyard
V15 PLASMA (WEB/PLUS) - with positioning lanyard

ATTENTION!

This manual must be read and understood before using the product! Keep the instructions close to the product so you can consult it whenever is needed.

For work with a risk of falling in heights and depths, a hazard assessment must be made on the basis of the DIN/EN, the respective valid regulations and the resulting stipulations of protective measures.

A safety harness may only be used by persons with special instructions when working at heights. Before the initial use, users of the PPEaF (Personal Protective Equipment against Fall) must be instructed in the correct and safe use! The performer of the work must be aware of the dangers and risks and be in a position to align his actions and decisions accordingly. The user must know the properties and limitations of this product, he must know and accept the risks associated with the use of this product. These operating instructions must be available to all users of this PPEaF. Beginners must be under the constant observation of experienced users of this PPE! Each user is responsible for the execution of his tasks as well as for his security. If he is unable to do so, if he does not have the appropriate knowledge, skills and powers, he cannot use this PPEaF!

Before use, the integrity and compatibility of the equipment must be checked. In case of defects, broken or worn seams, abrasion, cuts, discoloration, burns, hardened straps, rusty and/or deformed parts, buckles with closing problems and any other abnormalities, the belt should be withdrawn from use immediately! If there is any uncertainty/doubts, the belt must be withdrawn from use immediately and the advice of the dealer or manufacturer must be obtained! We recommend using this product with other components of the VERTIQUAL® series, thus having guaranteed 100% compatibility of the parts!

Field of use

A component of the work positioning system, where the belt provides permanent support of the user's waist thus allowing him to carry out his work using both hands. For using the belt in a work positioning system a connecting lanyard (with or without length adjusting device) certified according to EN 358 has to be passed around the working structure (or pole) and attached to the waist's belt lateral attachment rings (*some of the presented models are available with and without a built-in positioning lanyard).

A component of the restraint system, used on surfaces with very low inclination or horizontal surfaces with the purpose of preventing the user to reach the areas where a risk of falling from the heights exists. The attachment has to be made using a connecting lanyard (with or without length adjusting device) which will be connected to the dorsal attachment ring or lateral rings of the waist belt to a fixed anchorage point. The length of the lanyard must be shorter than the distance to the area with risk of falling from height.

Use of the product is forbidden in environments which presents risk of explosion, where it can have contact with acids, concentrated alkalis, solvents, splash of incandescent metal or places where it can be subjected to electric arcs or severe mechanical shocks. Except V15 PLASMA (and all V15 PLASMA variations) the belts must NOT come in contact with fire or hot objects and have a working temperature range of -30°C and +50°C! V15 PLASMA is made out of fire retardant materials and it is suitable for environments where it can have brief contact with fire or hot objects! (e.g. firefighting).

DESCRIPTION

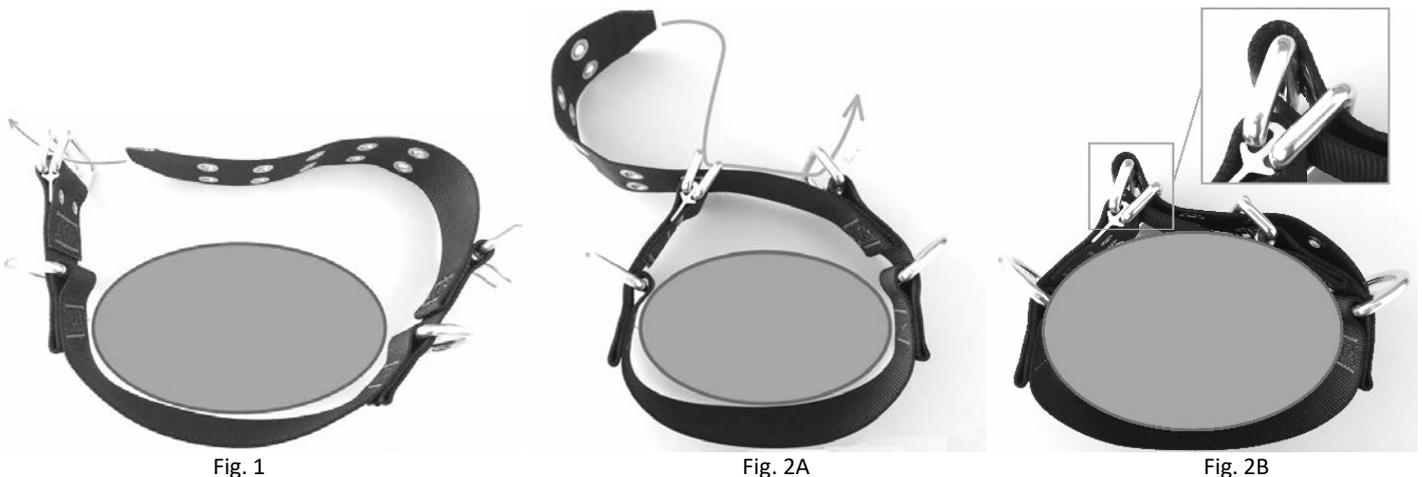
All VERTIQUAL® positioning belts are made out of special high-tech webbings of different widths (45mm or 85mm). All positioning belts presented except the V15 PLASMA (and its variants) have a lumbar padding which ensures a high level of comfort during use. V15 PLASMA is made without a lumbar padding and any other elements that could burn or support burning giving its special designation that allows brief contact with flames, sparks or hot objects. The belts are fitted with suitable buckles for opening/closing and adjusting which are made out of high tensile steel (zinc plated and EDC painted) or high strength aluminum alloys. Several plastic or metallic small elements are sewn on the belts allowing the user to park his tools while moving or when they are not needed anymore. The lateral rings of the belt (allowed for positioning and restraint acc. to EN 358) are made of high tensile steel or high strength aluminum alloys. Some models (e.g. C11, V11, KOALA PLUS etc.) have an integrated positioning lanyard (non-detachable) sewn at one of the lateral rings. These models have been tested and certified with the lanyard included. The length of the integrated lanyard is adjustable using the aluminum buckle provided on the lanyard or they can have fixed length (ex. V15 PLASMA WEB). For the V15 PLASMA WEB the lanyard is made also from fire retardant materials to prevent heat damage.

All positioning belts presented are allowed for users up to 140 kg (fully equipped). The lateral rings of these belts are tested and certified for work positioning and restraint according to EN 358. Any other uses are prohibited!

Equipping!

Prior to first use, the user must adjust the belt to his own body size, but not too tight to impair normal breathing or freedom of movement.

- **For the positioning belts C1, C11, V1, V11 (45 mm webbing)** place the belt around your waist and close the front buckle making sure it is fully locked. Adjust to your body size holding the buckle with one hand and pulling the free end of the webbing with the other hand. Ensure a good tightening of the belt! Check by pushing two fingers in between the belt and your body. The fingers must be slide in with not too much effort! Hold the free end of the webbing resulted after the adjusting with the textile or plastic ring fitted on the belt.
- **For positioning belts V15 PLASMA, KOALA (85 mm webbing)** insert the free end through both rings of the adjusting buckle, as shown in Figure 1. Return the end of the webbing between the two rings of the adjusting buckle as shown in Figures 2A and 2B and tighten to reach the level of adjustment that suits your body dimensions, then place the remaining end free through the second buckle and lock using its two pins! Hold the free end of the webbing resulted after the adjusting with the textile ring fitted on the belt.



Attention!

1. This equipment may not be modified or supplemented with manufacturer-independent parts!
2. This equipment is designed and manufactured only for use as personal protective equipment, all other operations are prohibited!
3. For safety reasons, each user shall use his own personal protective equipment against falls as well as his own equipment for holding and saving.
4. The user must be familiar with the function of the equipment. If in doubt, ask the manufacturer for advice.

The equipment must be taken out of use if:

1. The marking/label is missing or unreadable.
2. A strong wear and tear is present, damage is visible (cracks, incisions, worn seams, discoloration, hardening, rusted or deformed metal parts, defective buckles and other malfunctions).
3. Contact with paints or other, unknown chemicals has occurred or there are strong, irreversible impurities.
4. A fall or other heavy load of the equipment came about.
5. The integrity of the equipment is questioned, the use and application history has gaps.
6. The equipment was longer than 10 years in use.

In general, in the case of uncertainties and doubts, please sort the equipment and send it together with the test book to the manufacturer for inspection.

Period of use! The period of deployment of the safety harness is reached under normal conditions after **6-8 years**, but **maximum after 10 years*** from the date of the first use. The storage of new, unused products under optimal conditions (darkness, dryness, constant temperature) should not exceed 2 years. **The first use must be noted in the inspection log!**

* Harnesses belonging to a single user, subjected to periodic inspections by experts and recorded in the test book, carefully handled and maintained, properly stored, not in contact with oils, greases or aggressive chemicals, not overly much in use, can be used up to 10 years.

Intense use, severe and stressful working conditions, incorrect application, faulty maintenance and care can greatly shorten the service life of the equipment. Some events, such as case exposure, severe heat, contact with corrosive chemicals, may limit the use of your equipment to a single time. The duration of the equipment is terminated when one of the cases referred to in the previous chapter arrives, or if the assessor decides on the basis of other facts.

Storage, care and transport! The equipment should be stored in a dry, well-ventilated and cool place, if possible in the original packaging or in a special textile bag/box. The PPEaF is to protect against UV radiation, heat, solar radiation, sparks, metal drops, chemicals, sharp objects, heat sources, dust, cement, oils and greases and any kind of contaminants.

Metal parts can be blown clean with compressed air. If necessary, the textile parts can be washed with lukewarm water at 30° C and then rinsed thoroughly with clean water. The drying of wet equipment should be done in a closed, well-ventilated room, far from any direct heat source and suspended. The equipment is then loosely laid, packed in its storage bag. The transport of the equipment is best done in a transport bag or transport box.

Checks! The user must carefully check his equipment before each use. The equipment must also be observed during operation and checked after use!

The equipment must be inspected at least once every 12 months, by a competent person, in accordance with the manufacturer's instructions, and this operation must be documented. The frequency of the checks depends on the intensity and duration of the missions. Difficult working conditions and intensive use require more frequent checks. In addition, manufacturer-specific specifications may apply.

For your safety, we recommend checking every 6 months. It is also recommended to have this equipment checked in the VERTIQUAL® service center or a VERTIQUAL® partner. Your equipment is thus included in our database and you will get a detailed checklist after each test of your equipment. The test result is also entered in your inspection log.

Marking! All PPEaF manufactured by VERTIQUAL® is marked with a label. The label includes: the name of the manufacturer, the model of the product, the month and year of manufacture, the standard after which the product has been certified, the size of the product, the CE marking with the identification No. of the Notified body that issued the certificate, the requirement to read and observe the operating instructions and the individual serial number of the product. **The label must be present and always readable!**

Inspection log! Each equipment has its own test book, which must always be kept together with it and sent to the inspection department. The inspection log contains important data from the PPEaF and has to be filled in and signed by the examiner. The user must complete the test book before the first use and document the date of the first assignment.

Repair! Repairs, modifications, additions to the equipment may only be carried out by the manufacturer!

Warranty and liability! The manufacturer generally grants a guarantee of 12 months from the first use on his products. This must be noted in the test book. The guarantee is given for hidden material defects and production defects. Damage resulting from normal wear and tear, rust, improper maintenance, care and use, accident, fall and manipulation of the equipment are not covered by the guarantee. Warranty claims apply only to the product. Claims of third parties and consequential damages arising directly or indirectly from the use are excluded from guarantee and liability claims.

The user must be informed about the dangers of work at heights and depths. He personally assumes the risks and responsibility for possible damage, accidents or even death which may result from the use of this equipment. If the user is not able to do so, or if he cannot do so, he is not allowed to use this PPE. VERTIQUAL® assumes no liability for direct, indirect, accidental or any kind of consequential damages arising from the use of the PPEaF or from its use.

