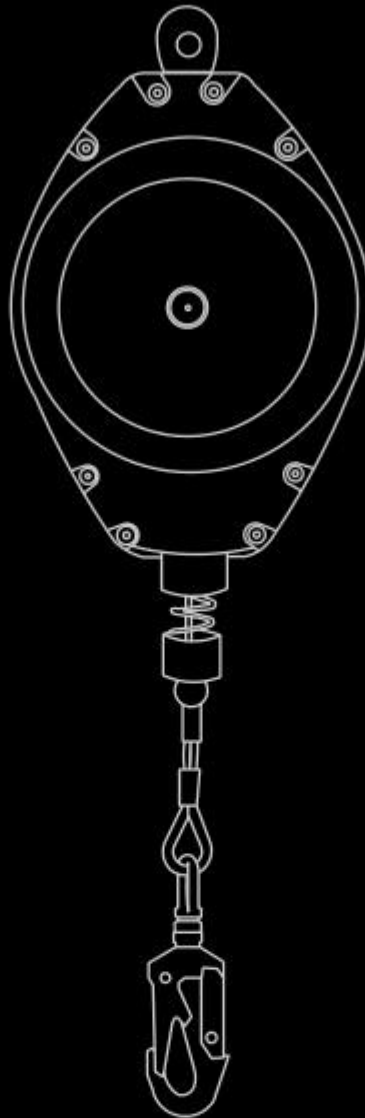


vertiqual®



Instructions manual

WIZZARD 6
WIZZARD 10
WIZZARD 15
WIZZARD 20

EN 360:2002

CE 2777

UNIT QUALITY CONTROL CHART

Retractable fall arrester, type **WIZZARD** certified according to **EN 360:2002**

Item	Result
Model (length)	WIZZARD 10
Serial N°	000000
Manufactured	mm.yyyy
Brake setting [Nm]	... Nm
Peak force at 35 kg test [kN]	... kN
Fall height at 35 kg test [cm]	... cm
Cable diameter [mm]	4,7 mm
Visual inspection of the unit	OK
Cable retraction	OK
Pawl function	OK
Connector functionality	OK
Label	OK

Thank you for choosing VERTIQUAL®! You have 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. This manual must be read and understood before using the product! This product will be used with other equipment (components) thus forming a system for working at heights. Please refer to the instruction manual of each component in your system for compatibility and correct use! Following these instructions accordingly is essential for your safety. Failure to do so can result in serious or even fatal accidents! Keep these instructions together with the product, accessible to all users, so they can consult them whenever is needed!

WARNING! These instructions are a basic comprehensive guide to the safe use of the purchased equipment. They contain general information about the product, intended to help the user, but cannot cover all the situations that may occur in the daily activities and cannot in any case replace the specialized training courses for safety at heights. This PPE against falls from heights can only be used by well-trained users, who are familiar with the relevant legislation and who have successfully completed a special safety training course for working at heights.

WARNING! For works with risk of falling from heights or in depths, a risk assessment must be carried out in advance in accordance with current regulations and legal provisions (EN standards or specific national rules) that will provide adequate measures for safety and rescue!

WARNING! Instructions for use are updated when technical or legislative changes occur. The latest version of the instructions overwrites previous versions and is the only valid version. Please make sure you follow the instructions of the most recent version. You can download the most recent instructions from our website www.vertiqualsafety.com by accessing the section of each product. For help or additional questions, please contact us at office@vertiqualsafety.com or Tel. (+40) 0365/882143.

WARNING! The user must be medically fit and capable to ensure his own safety and act accordingly in possible emergency situations! Seek medical approval according to the national legislation in force!

WARNING! If the product is re-sold outside the original country of destination, the reseller must provide these instructions manual in the language of the country where the product will be used.

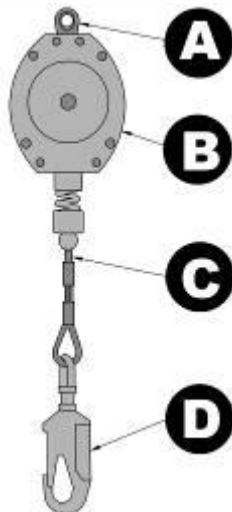
FIELD OF USE: Along with other tested and certified components the **WIZZARD** Self-Retractable Lifelines (SRLs) are used in fall arrest systems. The purpose of these systems is to stop the free fall of the user, absorbing most of the shock and distributing the remaining force evenly, while holding the users body in a proper position until he or she is rescued. The SRL will be used in **vertical applications** only as a connection element between an EN 361 full body harness and an anchor structure / anchor point which meets the requirements of EN 795. In case of fall, its energy absorber will dissipate the energy efficiently, keeping the arising forces below 6 kN. The product must be used exclusively as a PPEaF (Personal Protective Equipment against Fall), in usual environments with temperatures between -30°C and +50°C, without potentially explosive atmospheres, far away from flames, sparks, hot metal splash, dust, cement, sugar or any other fine powders. Avoid contact with sharp edges, abrasive surfaces, electricity, chemicals, corrosive solutions and substances, excessive heat, oils, oil vapors, paints or any other contaminants. The structures used for anchoring have to meet the requirements of EN 795-2012, must have NO sharp edges and must be capable to withstand a load of minimum 12 kN. The anchor point must be located as high as possible above the user and as close as possible to the vertical axis of the user's position, thus reducing the fall distance and prevent dangerous swing falls. The minimum free space below the user (fall clearance) must be ensured to prevent hitting the ground or any obstacles while the fall is arrested.

DESCRIPTION: WIZZARD is a Self Retractable Lifeline including a high tensile steel cable. In case of fall, the fall arrest block provides almost instant locking, thus minimising the fall distance. WIZZARD is comprised of the following elements: top swivel, fall arrest block, retractable line (cable), end connector. It is meant to be used mostly for stationary works / applications, where the user is protected until he arrives at his workplace, and then, by connecting the SRL accordingly, the user can carry out his work, being protected against falls. In the event of a fall, impressive forces occur depending on the falling distance and weight of the falling person! The integrated energy absorbing system is able to reduce these forces below 6kN thus keeping the load on the body to a tolerable level. Vertiqua® Self-Retractable Lifelines are manufactured using: high tensile steel cable, aluminium or steel connectors and various components of aluminium, plastics and galvanised steel.

COMPONENTS

A – top swivel

(for attaching to a suitable anchor point using an EN 362 connector)



B – fall arrest block

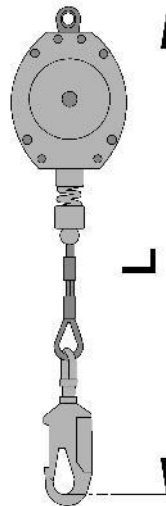
C – retractable line (cable)

E – end connector (for attaching to the full body harness)

LENGTH

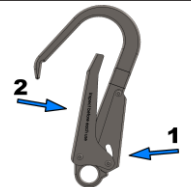
L - maximum length (cable fully extended);

WARNING! It is strictly forbidden to add additional elements to your SRL in order to extend its length! (e.g. by connecting additional ropes, lanyards, slings etc.)

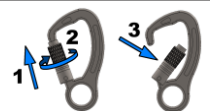


CONNECTORS (OPEN / CLOSE)

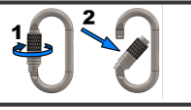
Auto-Lock



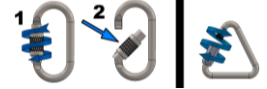
Tri-Lock



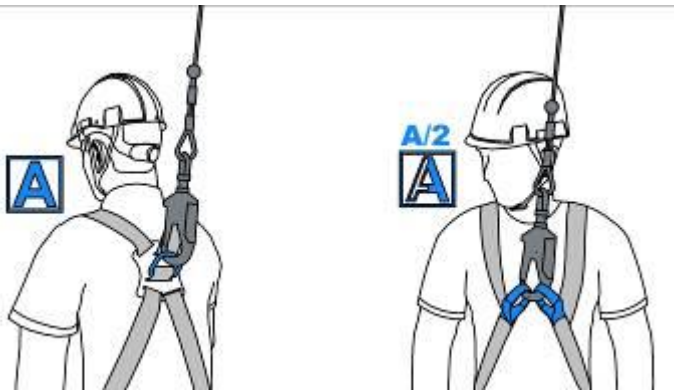
Twist-Lock



Screw



CONNECTING TO THE HARNESS

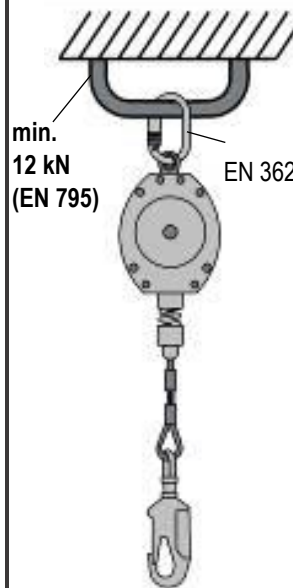


Attach and secure the end connector of your SRL to an attachment point of your harness that is marked with "A" or „A/2". These are the only points approved for fall arrest! The points are usually metal rings or textile loops and in case of A/2 marking, the two points need to be connected together!

(!) Use only certified full body harnesses (EN 361)!

(!) Refer to your full body harness manual for complete attachment instructions!

ANCHOR POINTS



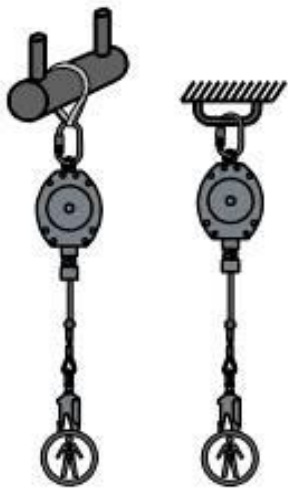
The anchor points used must meet (or exceed) the requirements of EN 795! A suitable connector (EN 362) must be used for attachment!

If a structural anchor point is used (e.g. beam, pipe) make sure that:

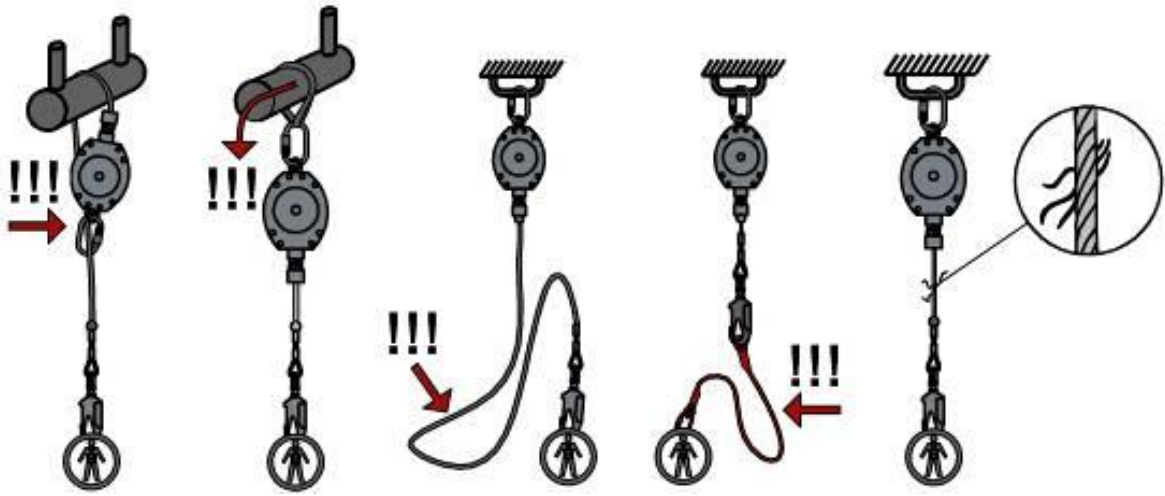
- has a proven breaking strength of minimum 12 kN;
- has closed ends which do NOT allow the connector to slide out;
- has NO sharp edges;
- its shape and size cannot cause incorrect loading of the connector or can put pressure on the connector's gate;

Below some examples of **correct** / **incorrect** use of connectors and Self-Retractable Lifelines are presented. Note that these are the most encountered situations in use, but a full list of all possible incorrect uses cannot be covered by this manual. Use only certified components (carabiners, lanyards, etc.) and read/follow their instructions carefully!

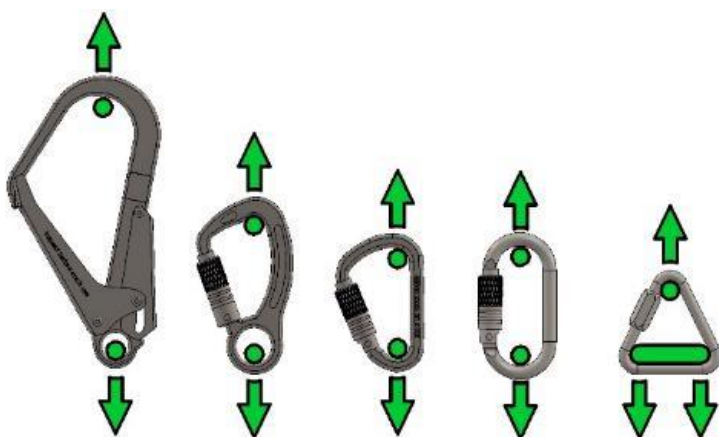
✓ CORRECT USE



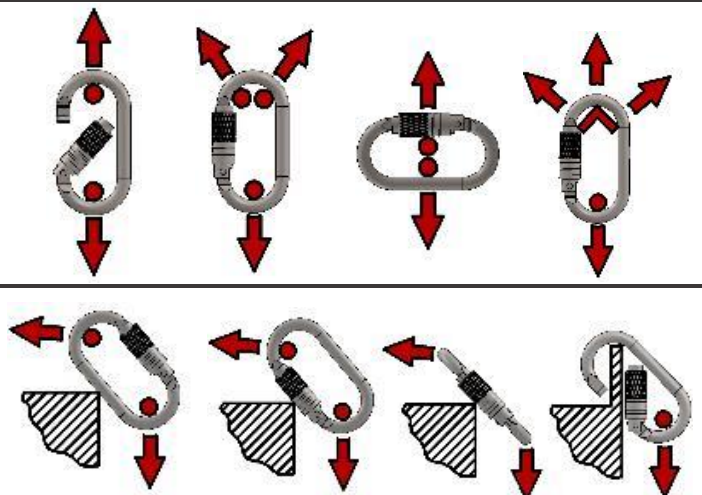
☠ INCORRECT AND DANGEROUS USE



✓ CORRECT



☠ INCORRECT AND DANGEROUS USE



FALL CLEARANCE

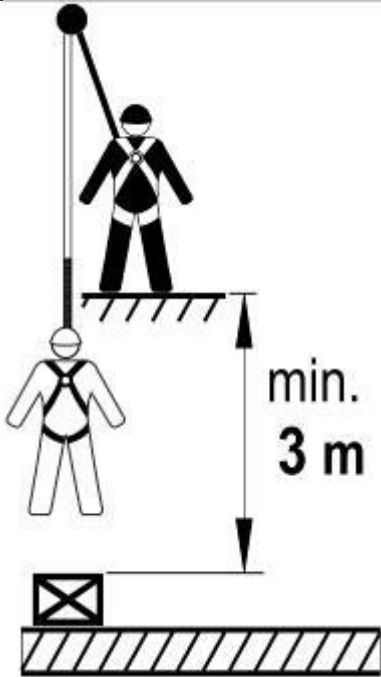
The **fall clearance** or the minimum free space below the work surface is the distance from the surface the user walks on, to the nearest obstacle.

Make sure that there is enough clearance below your work surface, before starting the work and maintain it during use!

WARNING! For your safety ensure a fall clearance of **minimum of 3 m** !

The retractable device must be connected to a suitable anchor point located **above user's head!**

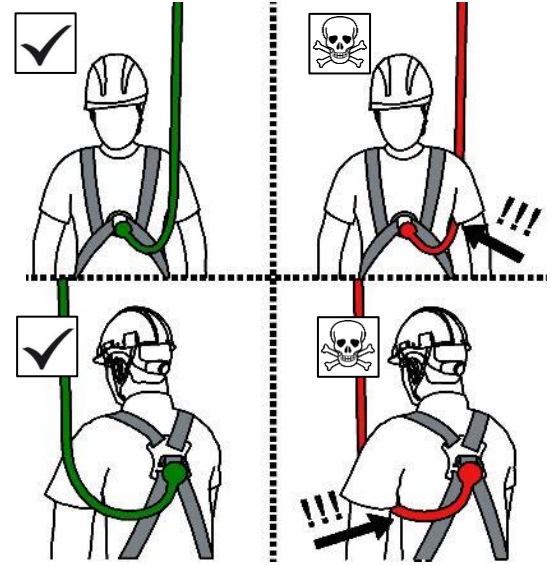
During use an angle of **max. 30°** with the vertical axis of the device must not be exceeded!



WARNING !

Connect and use your SRL making sure that the retractable line is NEVER passed under your arm(s).

Failure to do so can result in serious or even fatal accidents!



WARNING! Before use, the integrity, correct function and compatibility of the equipment must be checked!

If damage is identified, the equipment must be immediately withdrawn from use! If the lanyard is equipped with SCREW locking carabiners, please make sure that the gate is fully closed and tightened correctly, before using it! Note: **SCREW locking** carabiners shall NOT be used at workplaces where the user must connect/disconnect frequently! If the lanyard is equipped with AUTO-LOCK, TRI-LOCK or TWIST-LOCK carabiners, make sure that the gate is fully closed and secured before use.

CHECK BEFORE EACH USE!

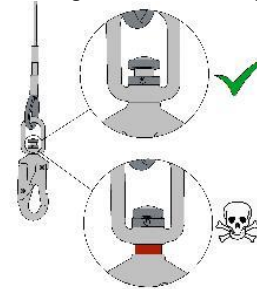
The user must perform a visual and functional inspection of his equipment before each use!

The equipment must be immediately removed from service if:

1. The marking/label is missing or is unreadable.
2. **DAMAGE** has been identified (incisions, cuts, tearing, worn or broken crimping, burns, melted areas, rust, cracks, damaged rivets, bends, distortions and other deformations) if any other abnormalities of the parts or structure have been found or if the product had suffered any changes compared to its original condition!
3. **FUNCTION TEST WAS FAILED!** Test each retractable device by quickly pulling the cable out to make sure it locks properly and can arrest your fall! In addition, check all connectors to make sure they are closing and locking properly!



4. The equipment was involved in a fall arrest or had been subjected to heavy loading. Check the fall indicator of the end connector (see image below) and look for any other signs of overloading!



5. Contact with paints or unknown chemicals had occurred (irreversible contaminations).
6. The integrity of the equipment is questionable and the inspection log is incomplete or missing.

WARNING! This product will be used only by trained and/or otherwise competent persons. Beginners will use it under direct supervision of such persons!

WARNING! The user must know the performances and also the limitations of his equipment before using it! In case of uncertainty regarding the equipment or its safe use, seek advice from the manufacturer or your qualified distributor. **WARNING!** It is strictly forbidden to expose your PPE to flames or extreme heat! Keep clear from hot and incandescent objects!

ALLOWED USER WEIGHT: WIZZARD self retractable lifelines are approved for users with a **total weight (person + equipment) of maximum 140 kg!**



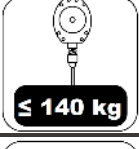
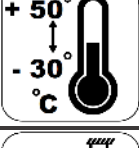

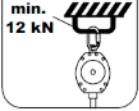




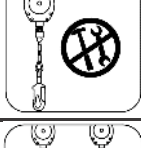
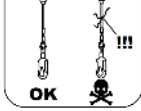
RESCUE: A rescue plan must be made before starting the work at heights or depths! It is mandatory to set up and know the specific rescue plan for every situation and to have designated personnel and appropriate means of intervention! Perform a complete risk assessments for your sites and determine the safest and most efficient form of rescue!

Repairs or any other modifications can be performed only by the manufacturer! Any repairs, modifications or additions (even minor ones) performed by anyone else are strictly forbidden, lead to the loss of the manufacturers guarantee and any responsibility related to this product!

PERIODIC INSPECTIONS AND CHECKS: The user must perform a visual and functional inspection of his equipment before and after each use! During use, it is important to monitor your equipment in order to identify possible damages inflicted in use, without being aware of it. The equipment must be inspected at **least once every 12 months** or more often if required, depending on the working conditions and compulsory after every incident it has been involved in. Inspections can be carried out only by the manufacturer or by an authorized inspections center. **If the periodic inspections were not performed at least**

once every 12 months, were carried out by unqualified persons, or without strictly respecting the manufacturer's instructions, the warranty is lost and the manufacturer declines any responsibility related to the equipment!

MARKING: These SRLs are fitted with a label found on the housing of the device. The label contains the following elements and essential information: name of the model [WIZZARD...], PPE type, length [m], the allowed user weight [kg], product's serial number, manufacturing date (month and year), standards/norms the product complies to (EN 360), European CE marking with notified body number, international symbol for reading the instructions before use, the name and address of the manufacturer, In this case the label also includes graphic warnings (symbols). Check "explanation of symbols" section for more details. Note: The label must be always present and readable!

EXPLANATION OF SYMBOLS	
	Perform a <u>visual inspection</u> of your equipment before each use! <i>It is essential to identify eventual damage of your equipment. Note: damage can sometimes be inflicted without user being aware of it. (*see „CHECK BEFORE EACH USE“ section for more details)</i>
	Perform a <u>function test</u> of your equipment before each use! <i>Test each retractable device by quickly pulling the cable out to make sure it locks properly and can arrest your fall! In addition, check all connectors to make sure they are closing and locking properly! (*see „CHECK BEFORE EACH USE“ section for more details)</i>
	The allowed weight of the <u>fully equipped user</u> is <u>MAXIMUM 140 kg!</u> <i>Never push your equipment beyond its limits!</i>
	Use your equipment in usual environments, with temperatures between -30 and +50 °C!
	Do NOT use in silos and above materials or substances as cement, grains, cereals, sand, gravel etc., in which a person could slowly sink!
	Attach the SRL to a suitable anchor point that meets EN 795 requirements and can safely withstand at least 12kN! Use only EN 362 certified connector with suitable shape and size to attach SRL to the anchor point!
	Read the instructions manual before using the product!
	Use only in combination with a suitable full body harness (EN 361)!
	Use this equipment only in <u>vertical applications</u>, making sure that, at all times, the angle of the cable with the vertical axis of the anchor point <u>does not exceed 30°</u>
	Release the <u> cable slowly!</u> Do NOT pull out the cable entirely then release suddenly as this can damage the retraction spring!
	Do NOT tamper with your equipment! <i>It is strictly forbidden to perform repairs, modifications or additions to your equipment! These can be performed only by the manufacturer!</i>
	Do NOT use if any damage or abnormality is identified! <i>If there is any doubt regarding the condition of the equipment DO NOT USE IT, instead send it to the manufacturer or to an authorized representative of the manufacturer for a professional evaluation!</i>

The **SERVICE LIFE** of the SRL will be determined at every periodic inspection (at least once every 12 months) based on its condition and it is approximately 10 years.

STORAGE, MAINTENANCE, TRANSPORT: The equipment should be stored in a dry, cool and well-ventilated room, if possible, in its original packaging. While in storage, this PPEaF must be protected from UV radiation, solar radiation, heat, sparks, incandescent metal splash, electricity, chemicals, sharp objects, heat sources, dust, cement, oils and greases or any kind of contaminants. If it got wet, the equipment will be dried naturally by hanging it in a well-ventilated room away from any heat source. When fully dried, the equipment can be stored accordingly in its packaging (bag or box). Transport of the equipment must be made in its protective bag or box, away from any factor that could contaminate or inflict damage. **Inspection Log:** Every PPEaF is delivered with an Inspection Log. This must be kept safely and sent along with the product for every inspection. The Log (table) contains important data regarding your equipment. The date, signature of the inspector and the results are also recorded. **The date of first use must be written in the Inspection Log by the user!**

WARRANTY AND LIABILITY: The manufacturer offers a **24 month** warranty for this PPEaF from the date of first use. The user has the obligation to write the date of first use in the Inspection Log. If the date of first use was not filled in, the warranty period will be calculated from the manufacturing date. The warranty is applicable only for material or manufacturing defects! Damage resulting from normal wear and tear, corrosion, poor maintenance (or no maintenance at all), those resulted from carelessness, accidents, fall arrest, unauthorized repairs or modifications, wrong use of this PPEaF or any other reasons are NOT covered by the warranty! The warranty does NOT cover the springs and the cable as these can be damaged due to inadequate storage or improper use. Warranty claims only apply to the product. All claims by the user or any other party for the direct, indirect or any consequential damages resulting from the use of this PPEaF are excluded from guarantee and liability assumptions. Any claims in this regard are hereby expressly rejected. The user must be informed regarding the dangers of work at heights and depths. He should be aware of the risks and he has to be aware that he is the only responsible for eventual damage, accidents or even death which may result from the use of this equipment. If the user is unable to do so or if he does not have the competence to do so, he cannot use this PPEaF. VERTIQUAL Engineering SRL herewith rejects any liability claims for direct, indirect, accidental or consequential damages resulting from the use of this PPEaF (Personal Protective Equipment against Fall).

The **EU type examination** and **production control (Module D)** are carried out by: **SATRA Technology Europe Ltd**, Bracetown Business Park, Clonee, Co. Meath D15 YN2P Ireland (Notified Body 2777).

The **EU Declaration of Conformity** can be downloaded from our website www.vertiqualsafety.com by accessing the product's dedicated section.

INSPECTION LOG

OWNER		PRODUCT DETAILS			
		MODEL : WIZZARD 10 SERIAL N°: 000000 MANUFACTURED: mm.yyyy MANUFACTURER: VERTIQUAL ENGINEERING			
USER					
FIRST USE					
Inspection date	Results of the inspection:	Inspection passed		Inspector's signature	Next inspection due latest
		YES	NO		



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