

USER MANUAL

THIS USER MANUAL SHOULD BE READ THOROUGHLY, UNDERSTOOD, AND KEPT FOR FUTURE REFERENCE, BEFORE STARTING THE WORK

The application of this user manual is subject to the most recent version. Upon establishment of a revised and/or amended version, all previous versions will become invalid. Consult your supplier for the latest version.

Pistol anchor for hollow core slabs 2906PAV058015



**Anchor point according to EN795:2012 TYP B
Pistol anchor for hollow core slabs type PAV 018015
and
energy absorbing lanyard
according to EN 354:2002 / EN355:2002, Type Miller 1032380
or
(C) automatic retractor according to EN 360:2002
Type IKAR HWPS3
and
Harness according to EN361:2002, Type Teufelberger Perfekt Eco**

Weight pistol anchor is approximately 1 kg. This fall arrestor may only be used for PPE against falling.

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The aim of this user manual is to provide the user with information to enable the correct, efficient and safe use of the product during its service life. The product is only intended for professional use and in a professional environment. This user manual is based on that assumption.

Van der Blij B.V. has endeavoured to describe the use, maintenance and risks related to the product as thoroughly and complete as possible. However, it is not possible to describe all conceivable risks. This user manual therefore only concerns the normal and careful use of the product as well as reasonable foreseeable improper use thereof.

Other rules and instructions may apply in addition to the instructions and notes in this user manual. For example, rules ensuing from Working Conditions Regulations and/or a H&S plan.
This user manual only concerns the use of the product.

In all cases where we act as tendering party or supplier, our quotations, orders placed with us and agreements concluded with us are subject to the METAALUNIE TERMS & CONDITIONS. These terms and conditions are filed at the Registry of the Court of Rotterdam. These terms and conditions have been sent as an attachment to the quotation and/or order confirmation and invoice that you have received from us.

(Images in this user manual are for illustrative purposes and may differ from the actual product delivered).



Initial check

Is the fall arrestor suitable for the slabs you are working with? The pistol anchor can be used in combination with several prefab floor suppliers. Although, the following conditions are required:

A safety plan based on an actual drawing and laying sequence.

A hole diameter of 24 mm, tolerance plus 3 and minus 1 mm.

An angle tolerance compared to the slab surface $\perp$ max. 10°.

A minimal quality of concrete of B45 (C35/45).

A minimal skin thickness of 30 mm.

A maximal skin thickness of 60 mm.

A hollow core height and skin thickness $\geq$ 102 mm.

A minimal hollow core height of 60 mm.

A hollow core width of minimal 50 mm.

Place the pistol anchor in the middle of the floor slab.

Be sure the concrete is cured sufficiently before making holes in the concrete! Min b20 (c16/20). This because of symmetry of the drilled hole.

Note when using the safety pistol anchor

Check if there are no cracks in the area of the hole for the pistol anchor.

Is the fall arrestor suitable for the purpose you want to use it for?

Is the condition of the fall arrestor still suitable for use, for example:

Are there no deformations and/or cracks visible on the pistol anchor?

Is the steel cable in good shape?

Test the anchor function with the floor element by pulling the anchor rope after each placing.

Before every use a visual check of all components of the system is mandatory. Pay attention to that all functions are working well and there is no wear of ropes etcetera.

We also advise you to read the user manuals of the separate components.

Cooperation with the crane operator

Before mounting, the crane operator should be aware that the mechanics, when using the Van der Blij fall arrestor, are restrained in their movements. The placing of the hollow core slabs by the crane demands the utmost safety.

Use of the Van der Blij fall arrestor

In case of falling risk, additional safety measures for fall protection must be made. From a free fall height for Type A - 3,87 meter and for Type C - 3,21 meter the Van der Blij Fall Arrestor can be used. These heights are inclusive 1 meter safety distance according to the norm.

An action plan for rescue operations must be present in which all imaginable emergencies are taken into account.

The user of this safety system should be in good health.

The user must have read and have understood the user manual before using this fall arrestor.

Each other use as described in the user manual is not allowed.

We advise to use this safety anchor as personal equipment.

The safety system should be used without breaks during working on the hollow core floor slabs. When the user does not apply this in practice, this will cause dangerous situations.

The tolerable application temperature: -20 till +50 °C.

All labelling should be available and readable.

Use of the pistol anchor

The pistol anchor may only be used by one person.

This pistol anchor is used to attach the further personal protection equipment against falling. Owing to its compact size and its light weight it can be used for personal protection. When the pistol anchor is not used it can be carried in a specially developed holster that is attached to the harness according to EN 361. Because of this the user can move safely and freely.



Figure 1a: pistol anchor



Figure 1b: both hands free

In use

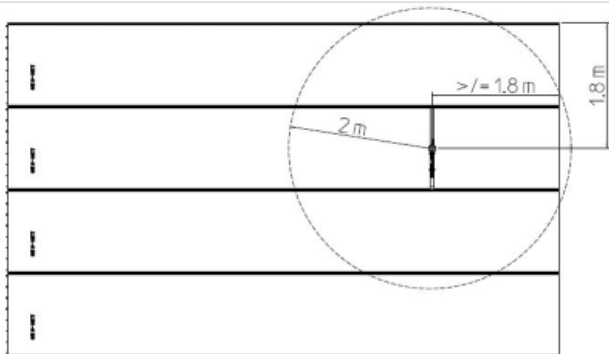
The first slab is laid with the help of for example a ladder. This way the slab can be positioned from below. After that, the pistol anchor can be placed.



Figure 2: enough freedom of space bewegingsvrijheid

Correct location of the pistol anchor

PAV 058015A



PAV 058015C

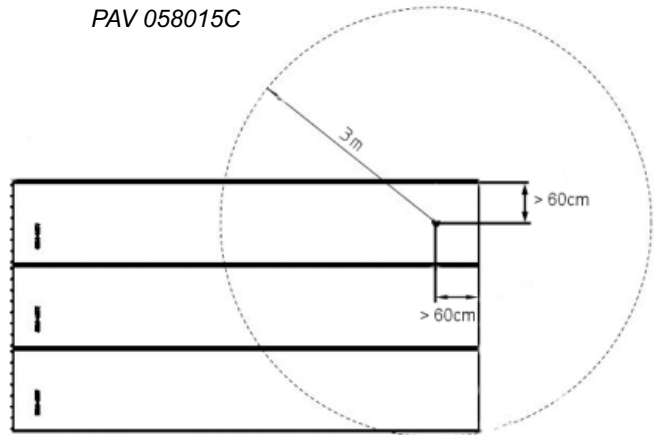


Figure 3



Figure 4a: unlocked



Figure 4b: locked

Beware of possible danger of falling during the repositioning of the pistol anchor!

The complete fall arrestor may not be used any more and has to be checked by the manufacturer in case:

- one or more parts of this safety anchor are damaged or broken.
- there is any doubt about the safe use of the system.
- the fall arrestor anchor has been actually used to stop a fall.
- the inspection date has expired (more than 12 months).



Inspection - certification

The VDB pistol anchors must be inspected annually. Inspections and repairs must be carried out by the manufacturer or a person trained by the manufacturer. Van der Blij B.V. can train individuals to ensure that this inspection is conducted correctly in accordance with, among other things, sections 4.4 c, d, and e of NEN-EN 365.

Maintenance

After each use, the system has to be cleaned and has to be free of concrete and mortar rests. Take good care that there is no more pollution in the Van der Blij anchor clamp and the parts may not be lubricated. The sticking effect of fats causes a dirt accumulation with detrimental effect. When the system is wet, it prefers to let dry the system in a natural way. Do not use hot air. The system should be stored dry and clean. Please store the system in a light-proof bag in order to prevent the ageing process of the rope. Van der Blij has appropriate equipment for this purpose.

Do only use water for cleaning.

Take good care that the fall arrest system is packed correctly during transport in order to prevent damage. Van der Blij has appropriate equipment for this purpose.

All parts of the system must be kept away from welding light and -sparks, fire, acids, alkalis and all comparable fluids.

Retail to foreign countries

When the Van der Blij safety anchor will be sold to countries with another user language than originally delivered, the seller is obliged to deliver this user manual in the user language.

Warning

In the preceding text, we advise you to which the hollow core element must conform before using this system. Van der Blij B.V. cannot be held responsible any consequences caused by unwise or incorrect used of the fall arrest system. For elements that do not conform to the stated specifications or if there is any doubt as to suitability of the system, we request you to contact Van der Blij B.V. If necessary Van der Blij can do tests with your type of floor element.

Attention! Changes to the equipment or replacements without preceding written permission of the manufacturer are not allowed and all repairs may only be performed with measures, stated by the manufacturer.

Attention! Danger can occur when one combines single elements of the equipment in case the protected function of one of the elements or components or the composed equipment is obstructed.

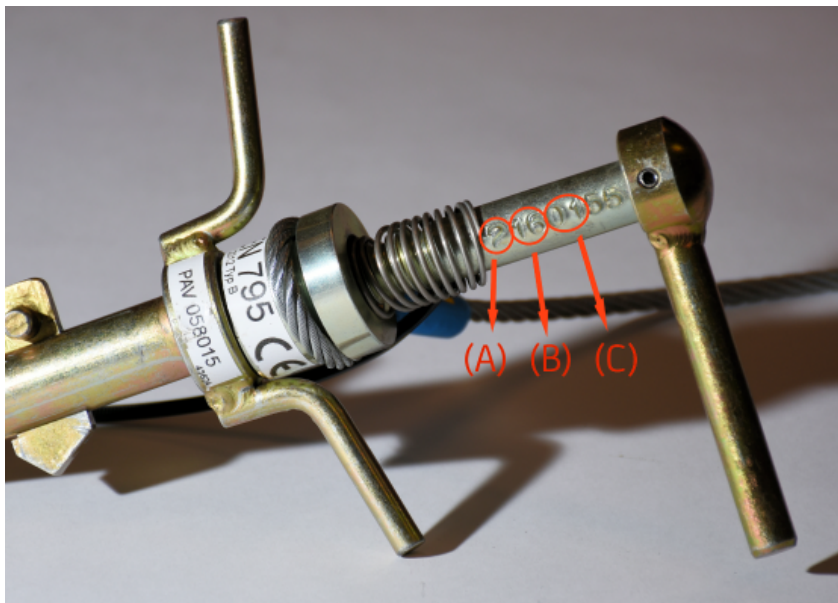
Anchor point service life

The anchor point (terminal) has an unlimited service life, provided it has been tested (approved) less than a year ago and meets the standard.

Year of manufacture

The year of manufacture is indicated in the serial number. The left number shows the century (A) and the two numbers next to it (B) are the year. The next two numbers (C) indicate the month. The following numbers indicate the serial number of the production. For example: 2160155 = January 2016 with serial number 55.

The position of the serial number is indicated on the last page of this manual.



Type A with energy absorbing lanyard (Art.-nummer 1032380)

Description of components (figure 5):

1. PA-PES O11mm line lanyard (tearing strength tested on sharp edge)
2. PES energy absorber with Miller Logo, Serial-und Article-number (edge tested)
3. Connector is compliant with standard (EN 362:2005) (D link on back of harness)
4. Connector is compliant with standard (EN 362:2005) (anchor side)

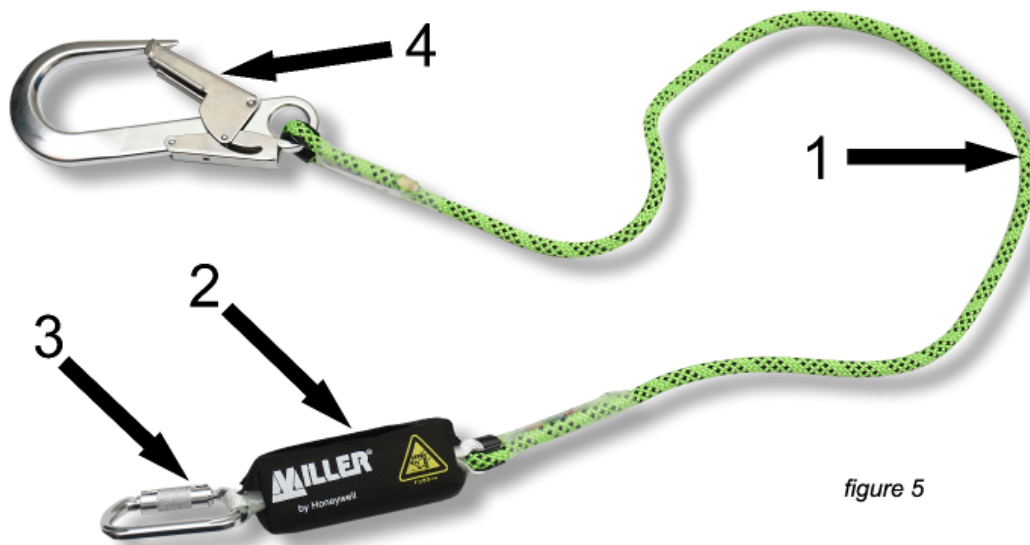


figure 5

Attach the end with the absorber(3) to the back D-link of the harness.
Lanyard end (4) is attached to the pistol anchor. See also figure 5a.

The maximum length of this lanyard is 2m, including all the karabiners, and it is not allowed to be lengthened.



Figure 5a

Type C with automatic retractor (Art.-nummer HWPS3)

Description of all elements (figure 6):

1. steel cable (edge tested)
2. automatic retractor with brake
3. connector is compliant with standard (EN 362:2005) (D link on back of harness)
4. connector is compliant with standard (EN 362:2005) (anchor side)



Figure 6

The end with the steel cable (3) must be connected with the D-ring on the back side of the harness.

The end of the retractor (4) must be connected to the pistol anchor. See also figure 6a.

The length of the steel cable including all the karabiners and retractor is 3 m and may not be lengthened.



Figure 6a

