

## CAVING HARNESS

# AMAZONIA

REF. B6122  
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## INSTRUCTION MANUAL

09/05/2016

## EN 12277

Organisme de contrôle intervenant pour l'examen CE de  
type : N° 1015 Strojirenský zkušební ústav, s.p. -  
Hudcova 424/56b, 621 00 Brno - Czech Republic.

**WARNING ! READ AND LEARN  
DESCRIPTIONS IN THIS TECHNICAL SHEET  
BEFORE USING THE HARNESS. DO NOT  
USE IT IN ANOTHER MANNER.  
DANGER OF DEATH !**

This sit harness is designed for the practice of caving and is subject to Community regulations European (CE) in the category of Equipment for Individual protection. As such, the user must strictly comply with the manufacturer's instructions and consult the manufacturer if there is any doubt about the product's use.

### PRODUCT LABELING

- 1 - Pictogram for setting up the harness
- 2 - Product Manufacturer Name
- 3 - Marketed by: MTDE (Technical Equipment of Speleology)
- 4 - EN 12277, Indication of conformity of this product according to the requirements of the standard.
- 5 - Name of the harness
- 6 - notified body which controls the production, CE N ° 0082 - APAVE SUDEUROPE SAS - BP

### USE

This sit harness has been designed strictly for the practice of caving. Any other use is not allowed. It should only be used by people competent or trained. Its user can also be under the direct visual control of a person competent or trained in the use of this product. Before use, the user should perform a suspension test in a safe place to ensure proper fit and comfort level of this product.

### POSITIONING THE HARNESS

Once the waist belt is placed at the hips, adjust the leg loops to be relatively tight in order to maintain the harness as low as possible (fig.1). Adjustment of the butt strap is performed last (Fig. 2) after having arranged the two tethers in the center of it. When the individual is standing, the butt strap should be relaxed from one to two centimeters.

### ADJUSTMENT - SIZES

The ideal adjustment of this sit harness depends on how it will be used. Correct tension of each of the loops is necessary, taking into account the comfort of sitting balanced with good performance and comfort while in use. This sit harness is one size fits all and is suitable for thighs from 46 cm to 76 cm.

### SECURITY

There are four loops on this harness made of webbing straps. To securely lock, each strap must be doubled-back through the buckle and come out with a minimum 10 cm tail (fig.3).

During use of this sit harness, it is necessary to regularly check its adjustment elements (loops) which depending on frost, ice or simple humidity are susceptible to vary slightly. The closure of this harness must be made using a half-round or delta link, (not supplied). (fig 1). This sit harness should not be used alone, the use of a chest harness is mandatory. This limits the risk of inversion of an unconscious person on rope.

Without a chest harness posture quickly increases the degeneration of the condition of a victim. Designed for rope climbing, use of a harness requires approved mastery of evacuation techniques of an immobilized victim.

### ATTACHMENT POINT

Attachment to the rope can only be done at one master point using a semi-round or delta link - (fig 1). LINK TO THE ROPE

The semi-round or delta link may be equipped with an ascender, chest blocker (passed directly), descender (connected by a carabiner) or direct knot (eight knot or full knot) - (fig: 4).

### OTHER MODES OF ATTACHING TO ALL CONNECTORS OR SUBSYSTEMS

Only the half-round or delta link can, through connectors or subsystems (descender, blocker ...), enable the user's link directly:

- a rope (with carabiner if necessary),
- at a docking point
- a crew member for an emergency maneuver.

This link is also the only authorized point of attachment on the user of any other auxiliary systems.

### AUXILLIARY SYSTEMS

All auxiliary systems connected to this sit harness at its half-round link or delta will have characteristics that allow this.

### WASHING AND STORAGE

Washing must be done with clean water after each use, without high pressure apparatus and without additives. The drying of the product is an important phase, imperative before storage, forgetting this phase could affect the product.

The storage will then have to be done in a dry place and in shade.

The transport of this harness must be carried in a bag, so to shelter it from UV or any external aggressive agents.

### LIFETIME

Immediate retirement of this sit harness is mandatory in the event of a significant fall or contact with any chemical products. The state of the seams as well as the wear of straps should be checked before and after each use, in the case of damage or defects it shall be discarded. Overall wear of this product varies considerably based on frequency of use, and can be observed at each of the loops (main wear points). The appearance of "fluff", must then incite the user to discard the harness as soon as the attack becomes more important on one of the straps. The maximum life of this harness is equal to the storage duration (before first use) plus its duration of use.

**Storage duration:** This harness can be stored 5 years, under suitable conditions (see section WASHING AND STORAGE), without jeopardizing its future use.

### DURATION OF USE

**For low intensity use,** the maximum duration of use of this harness is 10 years.

**For intensive use,** its maximum usage time is 5 years. Caution: The duration of use (10 years or 5 years depending on the case) can be reduced depending on the controls applied. These checks must be regularly carried out by the user of the product itself, or annually, and must be conducted by a qualified controller and then recorded in a register intended to reveal the compulsory controls.

### ADVANTAGES OF THIS PRODUCT

This AMAZONIA MTDE sit harness will give you three major benefits:

#### a) an optimized harness for rope climbing:

- the hang of the "delta" is placed as low as possible to increase the heights of loads.
- the effectively arranged butt-strap significantly reduces the dipping of the buttocks in the harness at each thrust thus allowing a gain of three centimeters to each cycle compared to a conventional harness.

#### b) a lightweight harness by its webbing design of 26 mm. (except the belt) allows it to be light weight.

This is the first harness so designed and CE approved.

#### c) a comfortable harness by

- the presence of an effective butt-strap
- the connecting straps (buttocks / legs) are intended to increase the support surface of the buttocks in a seated

position,  
- 26 mm strap. at the level of the leg turns so as not to limit movements.  
With this assembly concept: double strap 26 mm, and binding bridges, the seating surface of the individual is increased compared to conventional harnesses that are designed with a single thigh strap.

### COMBINATION WITH A CHEST HARNESS

This sit harness, must via a chest blocker be tied to a chest harness. All models of chest harnesses are adaptable for this purpose (with or without intermediary connectors according to the models).

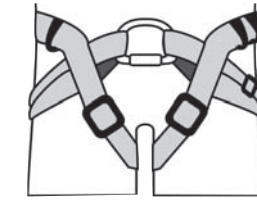


FIG. 1

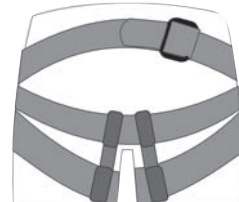


FIG. 2

FIG. 3 : ADJUSTING THE IRONING STRAPS

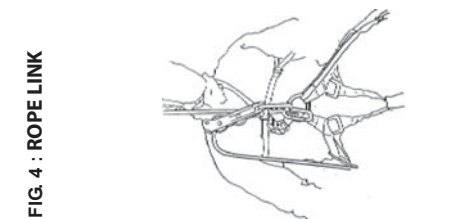
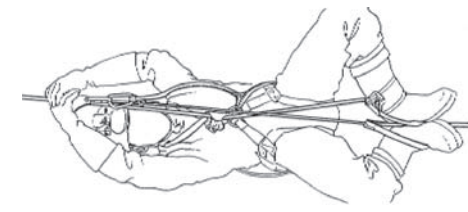


FIG. 4 : ROPE LINK