

PROTECTMAN

Une Sécurité d'Avance !

RodeoStop B100

User Manual

INFORMATION

RodeoStop is an automatic fall protection device dedicated to secure vertical movements.

Handmade by the **PROTECTMAN** company, located 2 rue Maisant, 92190 Meudon – France, it is designed for entertainment, leisure and professional activities that need to secure vertical moves. His mission is to prevent the risk of free fall of the user, that needs to move vertically. RodeoStop integrates a shock absorber and a two-way automatic locking loose pulley as a fall arrester. It meets the following requirements : European PPE Regulation 2016/425 and EU norm EN 360 : 2002.

Tests have been conducted with semi-static ropes, BÉAL® brand, ANTIPODES model Ø10 and 10,5mm, complying with standard EN 1891 Type A.

Notified body that conducted the tests is :

APAVE SUDEUROPE SAS
17 Boulevard Paul Langevin
38600 Fontaine - FRANCE

Activities that require the use of this type of equipment are inherently dangerous. You are responsible for your own acts and decisions. Before using this equipment, a training is required and conducted by a competent person and/or qualified by the manufacturer.

RodeoStop must not be used beyond its limits nor in any other situation than the ones the device has been intended to.

Installing and prior verifications of this equipment must be performed by a competent person and/or qualified by the manufacturer.

RodeoStop must be used by a person with a good physical condition, competent person and/or qualified by the manufacturer, or placed under the direct surveillance of such person.

The whole installation must meet manufacturer's requirements and the following ones : European PPE Regulation 2016/425 and EU norm EN 360 : 2002.

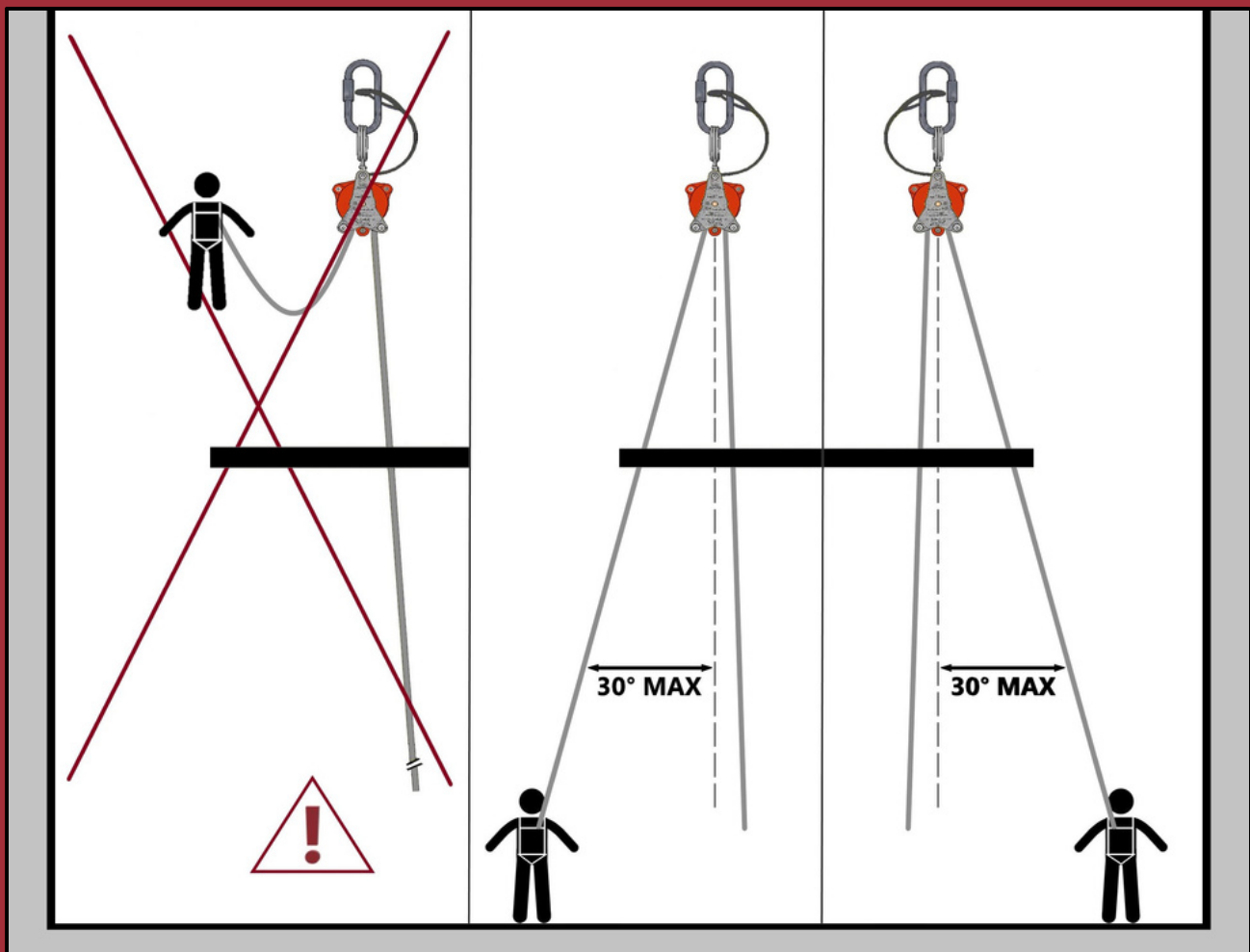
The **RodeoStop** must be used and serviced in accordance with the manufacturer's recommendations as described in these instructions.

Norms and regulations quoted in this guide make reference to their effective version at the moment of the creation of this document.

INTENDED USE & SETUP - part 1

The RodeoStop must be used under the following conditions :

- Only one user at a time,
- The maximum weight allowed is 130 kilograms including equipment,
- Operating temperature from 0° to +50° Celsius,
- Strictly vertical use,
- Limit pendulum movements to 30° between the two rope strands when the user is moving vertically,
- Connect the RodeoStop to an anchor point provided for this purpose, located at least 2 metres above the highest platform,
- Never move on the level or above the device,
- Never move outside the range of the device, limited to 30° on each side in relation to a vertical axis, in line with the RodeoStop.



INTENDED USE & SETUP - part 2

Use the RodeoStop only with the following equipment :

- **Rope** : a semi-static rope with a diameter of Ø10 to 10.5 mm, conforming to EN 1891 Type A, with a static strength of over 1500 DaN. Please note that the mechanical properties of the rope vary according to its condition, use and atmospheric conditions such as humidity, temperature, frost, etc.
- **Anchorage** : an anchorage device that complies with EN 795 and is free of any obstacles that would prevent the fall arrester from functioning properly.
- **Harness** : a fall arrest harness complying with EN 361. Please note that the use of a harness conforming to EN 12277 does not meet the requirements of EN 360.
- **Connector** : If the RodeoStop is not directly connected to the anchorage device according to EN 795, use a connector that complies with EN 362. If the harness is not directly connected to the rope, use an EN 362 connector.

Use of complementary equipment :

Personal protective equipment used as a supplement must be CE marked for Europe and compatible with each other. Read the instructions for each product carefully. If in doubt about the use of a product, do not use it and contact the manufacturer

Risks in case of a fall :

It is important to assess the risks and injuries to which the user is exposed in the event of a fall, as well as the impacts caused by the fall protection system. Measures should be put in place to minimise these risks :

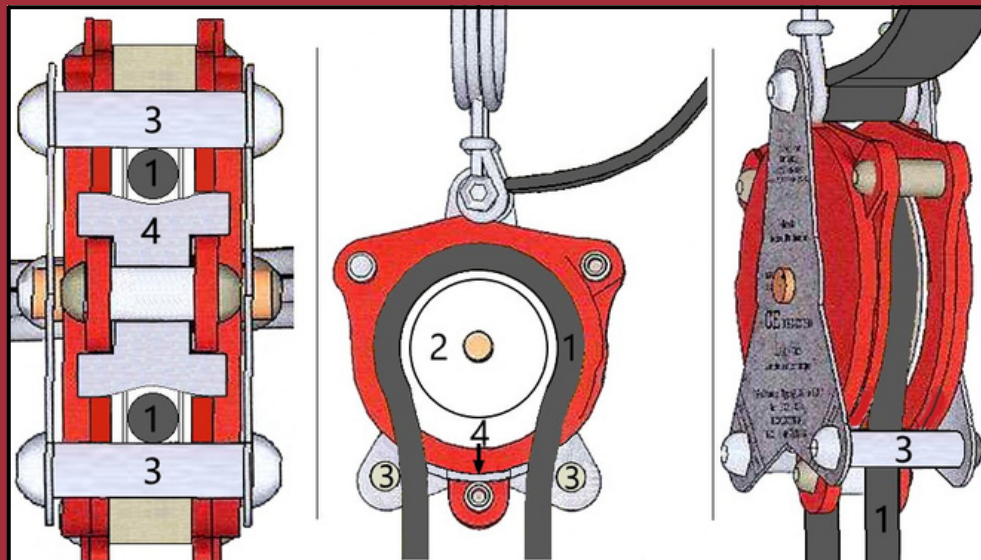
- a free fall – the user falls from a high position, and may hit the ground and/or any object in the path of the fall before the fall is stopped.
- pendulum effect – the pendulum effect that the user may experience during the free fall or directly after it has stopped. The user may hit the ground and/or any object in the path of the pendulum fall.
- Suspension trauma – or orthostatic intolerance occurs when a user is suspended in the harness, especially after a fall. The user must be rescued immediately and medically treated.

INSTALLATION OF THE ROPE

Installing a rope in the RodeoStop :

Step 1 : Underneath the unit insert the rope (1) between the rope pincher (4) and one of the two spacers (3) on the frame.

Step 2 : Slide the rope (1) around the sheave (2), pressing it into the bottom of the groove, and pull the rope (1) out the other side between the rope pincher (4) and the other spacer (3). See sketch below.



Bottom View

Inside View

Side View

Step 3 : Check that the rope (1) is correctly installed in the device, by pulling it gently in both directions. It should run freely and unhindered.

Step 4 : Then pull one of the two strands of rope with a firm pull, there should be a clear stop with a blockage of the rope. Unlock the mechanism by pulling on the other strand of the rope.

Step 5 : Repeat the operation described in **Step 4** with the other strand.

TESTING & VERIFICATION

Before each use : Check that the RodeoStop is in good condition and that it is working properly. Check the installation of the rope. Pull one end of the rope tightly and the mechanism should block the rope. The mechanism should release by pulling on the other strand. Repeat the operation by pulling on the other strand of rope. Check that the various pieces of equipment used comply with current standards and are in good working order.

A rescue plan should be drawn up before using the RodeoStop in order to ensure safe and effective rescue operations.

Do not use the RodeoStop if the device and/or the installation is unsafe. Contact the manufacturer. If the device shows signs of damage or other reasons for malfunction, take it out of service, mark it "out of order" and return it to the manufacturer or to a centre authorised by the manufacturer for repair.

USE - part 1

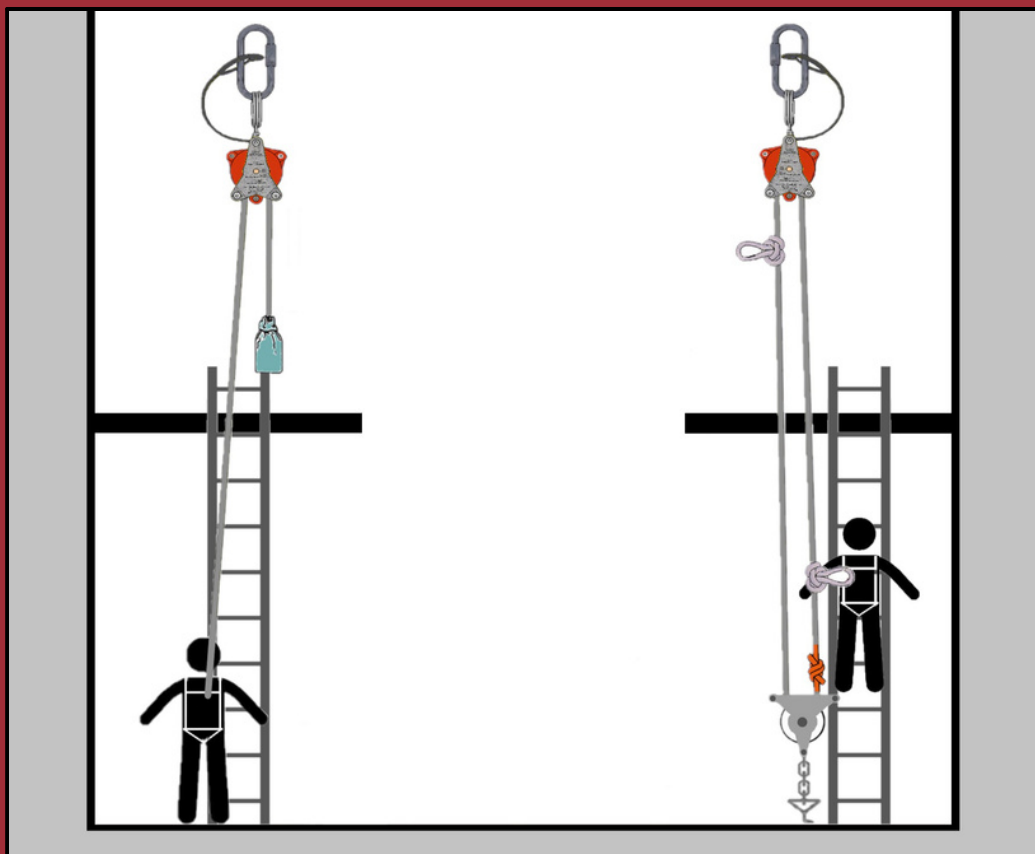
- **WARNING** : When in use, the RodeoStop must be protected from impacts, vibrations, foreign bodies, radiation and chemical contamination.
After each use, the RodeoStop must be checked for corrosion and/or deformation. Also, the rope used must be in perfect working order.

- **REMINDER** : The performance of the RodeoStop may be affected by the limitations and risks associated with the materials used in the product and/or installation, such as temperature, the effects of sharp edges, chemical reagents, electrical conductivity, cuts, abrasion, degradation due to the presence of foreign bodies, radiation, and weather conditions.

Step 1 : Anchor the RodeoStop with its energy absorber to an EN 795 compliant anchorage point. Connect the strap to a different anchor point for double safety. If necessary, use an EN 362 connector.

Step 2 : Install the rope in the RodeoStop as described in the chapter "**INSTALLATION OF THE ROPE**" on page 5 of this manual.

Step 3 : Make a looped or counterweighted installation. Be aware of the minimum air draft required by the installation. See examples of installation by following this link : www.protectman.fr



Counterweight Installation

Closed Loop Installation

Step 4 : Connect the EN 361 harness to the EN 1891 Type A rope using the anchor loop provided.

USE - part 2

Step 5 : Climb or descend onto the structure allowing vertical movement.

WARNING, the rope connecting the RodeoStop to the user must always be tensioned.

- In case of a fall, the device will automatically lock. Release the tension in the user rope to unlock it. A slight ascent by the user is sufficient.
- **WARNING**, a sudden and abrupt ascent of the user can block the RodeoStop in the opposite direction :
 - In the case of a counterweight mounting, a slight downward movement of the user is sufficient to unlock the RodeoStop. **WARNING, this situation creates a significant and dangerous fall for the user. Immediately stop the ascent and descend until the RodeoStop is unlocked, with the counterweight released and the rope connecting it to the RodeoStop tensioned.** The user can then resume climbing while ensuring that the rope connecting him to the RodeoStop remains tensioned.
 - In the case of a looped installation, a slight descent by the user is sufficient to unlock the RodeoStop.
- The user can ascend or descend independently or with the assistance of another person.

Step 6 : Once safe and there is no risk of falling, disconnect the harness from the rope.

Step 7 : If necessary, uninstall and store the RodeoStop.

SERVICING

For safety reasons, all maintenance work must be carried out by the manufacturer or by a centre approved by PROTECTMAN.

The RodeoStop must be returned to the manufacturer or to a PROTECTMAN-approved centre for inspection every 12 months after being put into service. In case of intensive use or in an aggressive environment, the time interval between two maintenances should not exceed 6 months.

Repair, disassembly and/or modification of the RodeoStop by anyone other than the manufacturer or a centre approved by the manufacturer is strictly forbidden. Any repair, disassembly and/or modification of the RodeoStop by persons not authorised by PROTECTMAN will automatically void the warranty.

See the list of PROTECTMAN's approved maintenance centres at www.protectman.fr

LIFESPAN

The service life of the RodeoStop depends on use and maintenance. It is a maximum of 10 years under normal use as described in this manual. After that, the RodeoStop must either be refurbished or disposed of.

STORAGE

Poor storage conditions will cause the device to age prematurely. Ideally, the RodeoStop should be stored suspended by its fall absorber in a dry, ventilated place, free from any elements that could damage it. Never store the unit on the floor. Do not expose the RodeoStop to shock, vibration, foreign objects, radiation or chemical contamination.

CARE & TRANSPORT

Never oil or grease the RodeoStop.

Never use compressed air or pressurised water to clean the device. Clean with a soft brush, using clear water and a neutral detergent if necessary. Rinse with clean water and wipe with a soft cloth. Leave to dry naturally in a dry, ventilated place, protected from the external aggressions mentioned in the "**STORAGE**" paragraph, suspended by its fall absorber.

Transport the RodeoStop in such a way as to protect it from any danger that could affect its performance and resistance. Ideally, isolate from other products and store in a suitable container, never in bulk.

WARRANTY

RodeoStop is guaranteed against any manufacturing defect for 12 months from the date of delivery. RodeoStop is no longer guaranteed if the device is dropped or if the parts are modified or repaired outside of PROTECTMAN's workshops, or if the device is not used according to the manufacturer's instructions described in this manual.

The following are excluded from the warranty: normal wear and tear, modifications or alterations, improper storage, improper maintenance, damage caused by accidents or negligence, and use for which the RodeoStop is not intended.

Liability: PROTECTMAN cannot be held responsible for direct, indirect or accidental consequences or any other type of damage that occurs or results from the improper use of its products.

INFORMATION ON MARKINGS

Markings are laser engraved on recto and verso frame :

- months and years : marks indicate manufacturing and maintenance dates
- model: **RodeoStop B100**
- pictogram « 1 max 130 Kg » meaning one user at a time weighing a maximum of 130 kilograms
- pictogram of a book with the letter « i » : read user guide before use
- CE : complying with European PPE Regulation 2016/42
- 0082 : identification number of the notified body responsible for manufacturing control (Modul C2)
- Organism that conducted the CE type tests :
APAVE SUD EUROPE SAS - CS60193 - 13322 MARSEILLE CEDEX 16 - FRANCE
- EN 360 : complying with european norm EN 360 : 2002
- lot number : « xxxx »
- serial number : « xxxx »
- Identification of manufacturer (name and address of manufacturer)
- Stipples on edges of recto and verso frame indicating type and diameter of the proper rope to use, semi-static with diameter from 10 to 10,5mm complying with EN 1891 Type A
- On verso frame, a graphic indicating different set-ups, with counterweigh, and looped installation with a return pulley.

CE CONFORMITY

User guide and certificate of conformity can be downloaded at www.protectman.fr.

Find more
on www.protectman.fr

If you have a problem with your **RodeoStop**,
contact us at service@protectman.fr