

PROTECTMAN

Une Sécurité d'Avance !

USER GUIDE RODEOSTOP B100

Automatic fall arrester
STANDARD EN 360



User guide and EU declaration of conformity
Scan QR code above or download at www.protectman.fr.

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INFORMATION

The RodeoStop is an automatic fall arrest device for securing vertical movements.

Manufactured by PROTECTMAN, 2 rue Maisant, 92190 Meudon - France, it is designed for both leisure and professional activities requiring the securing of vertical movements. It is designed to prevent the risk of free-fall by securing the user's vertical movement. The RodeoStop incorporates an energy-absorbing system coupled with a pulley that locks automatically in both directions, acting as a fall arrester. It meets the requirements of European PPE Regulation 2016/425 and complies with EN 360 : 2002.

Activities involving the use of this equipment are inherently dangerous. You are responsible for your actions and decisions. Before using this equipment, you must be trained by a competent person and/or a person authorised by the manufacturer.

Installation and all preliminary checks on the equipment must be carried out by a competent person and/or a person authorised by the manufacturer.

The RodeoStop must only be used by, or under the direct supervision of, persons who are physically fit, competent and/or authorised by the manufacturer.

RodeoStop must not be used beyond its limits or for any purpose other than the one for which it is intended. The entire installation must comply with the manufacturer's declaration as well as the requirements of the European Union PPE Regulation 2016/425 and EN 360: 2002. The RodeoStop must be used and serviced in accordance with the manufacturer's instructions, as described in this manual.

The standards referred to in these instructions refer to the version in force at the time of writing.

If the RodeoStop is sold outside the first country of destination, the retailer must supply this user manual, containing instructions for maintenance, periodic inspections and repairs, written in the language of the country where the product is to be used.

The owner of the RodeoStop must establish and keep an informational sheet identifying each device and the components, sub-systems or systems used with it. This sheet must indicate :

- the brand, model and type of equipment ;
- the name and contact details of the manufacturer or supplier ;
- batch or serial number, date of manufacture or expiry, date of purchase and date of first use ;
- service record, specifying the date and type of inspection, the name and signature of the authorised technician and the date of the next inspection.

APPLICATION & INSTALLATION

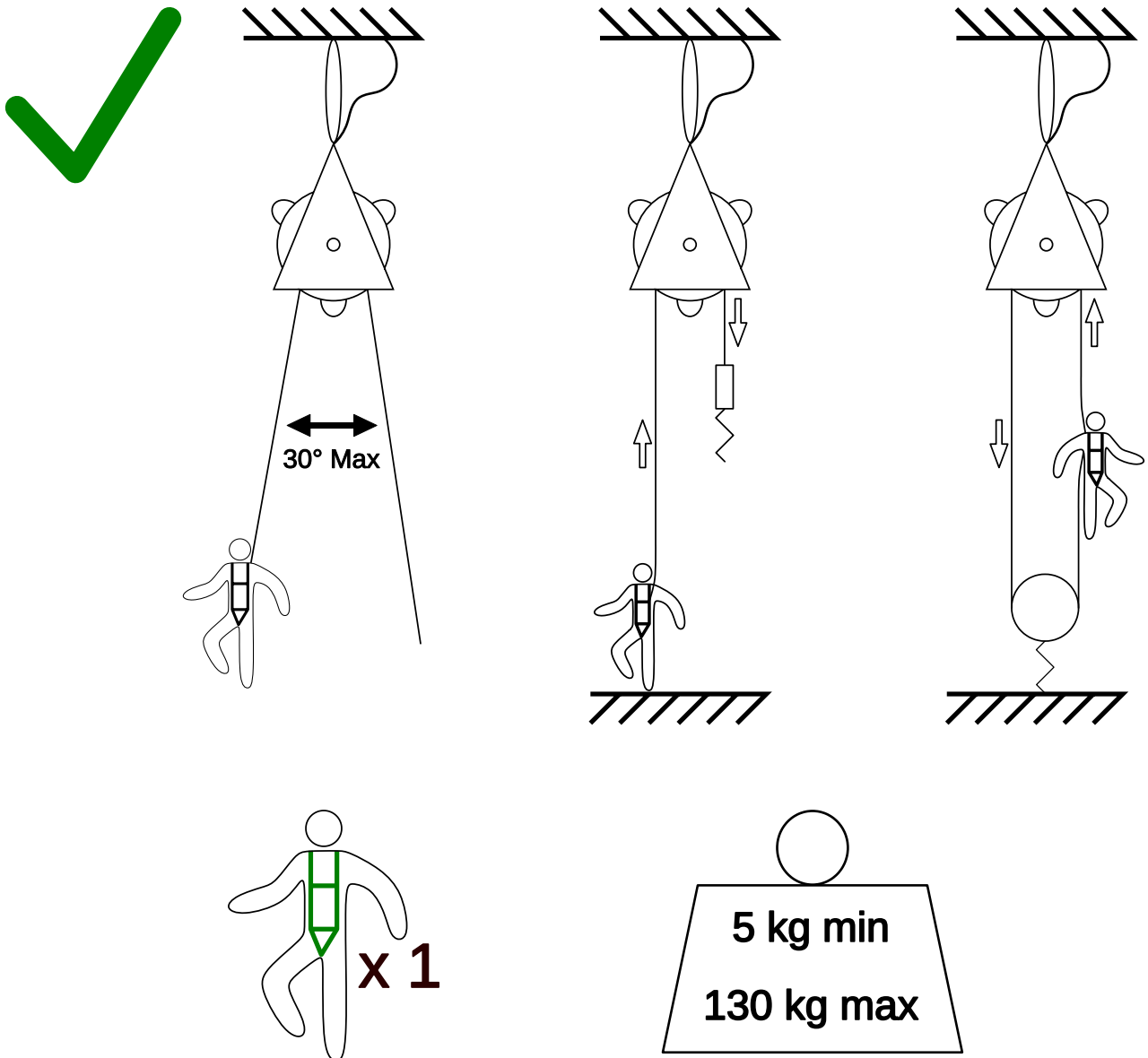
The RodeoStop must be used under the following conditions :

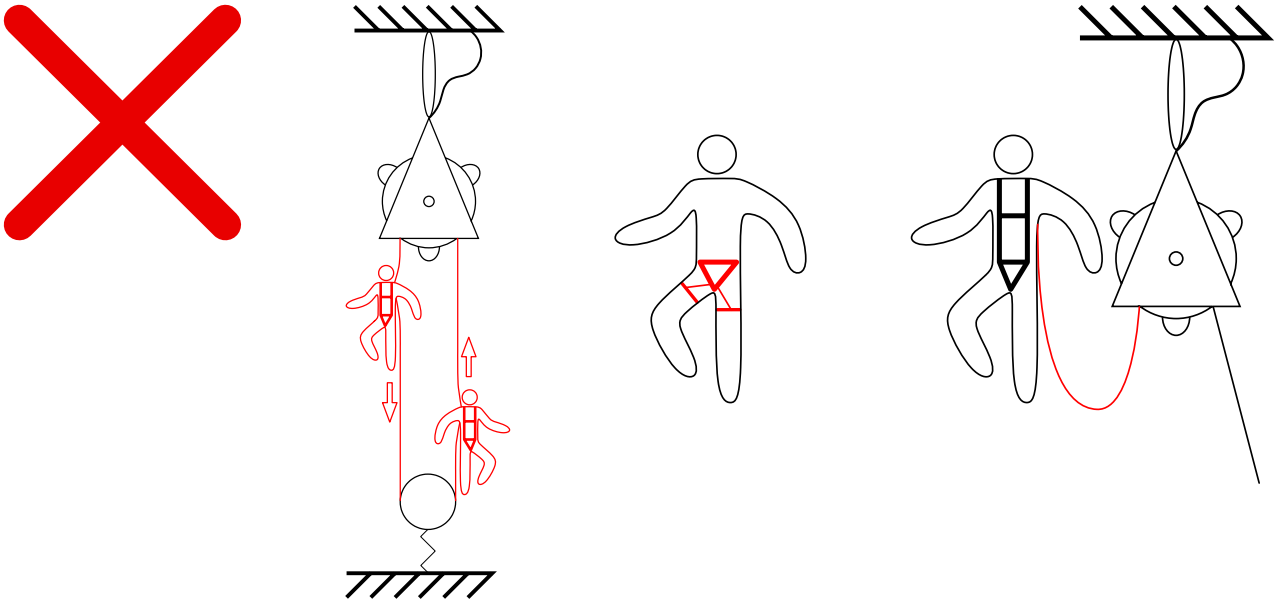
- only one user at a time ;
- the user's weight is between 5 and 130 kilograms ;
- temperature of use between 0° et +50° Celsius ;
- strictly vertical use ;
- limit pendulum movements to 30° between the two rope strands when the user is moving vertically ;
- connect the RodeoStop to an anchorage point provided for this purpose, located at least 2 metres above the highest platform ;
- never operate at or above the level of the device ;
- never move outside the device's field of action, which is limited to 30° between the two rope strands when the user is moving vertically ;
- never twist the RodeoStop rope before, during or after use.

Use the RodeoStop with the following equipment only :

- **Anchoring** : an anchoring device complying with standard EN 795, free of any obstacle that could prevent the fall arrester from working properly ;
- **Rope** : a belay support consisting of a semi-static polyamide rope (core and sheath) with a diameter of Ø10 or 10.5 mm, complying with EN 1891 Type A, with a static strength greater than 1500 DaN, with a rotating element at the end of the user's strand. Please note that the mechanical properties of the rope vary according to its condition and use, as well as atmospheric conditions such as humidity, temperature, frost, etc ;
- **Harness** : a fall arrest harness ;

- **Connector** : if the RodeoStop is not directly connected to the EN 795 compliant anchorage device, use an EN 362 compliant connector. If the harness is not directly connected to the belay support, use an EN 362 connector ;
- **Rotating element** : element connecting the rope to the user's fall arrest harness by means of a knot protected by heat-shrink tubing or self-vulcanising tape. The rotating element, with a static strength greater than 1500 DaN, marked "CE", must comply with PPE Regulation 2016/425. This element is connected to the rope by a figure-of-eight knot if the RodeoStop is used with a counterweight, or by an alpine butterfly knot if it is used in back-and-forth mode.





Use of additional equipment :

Personal protective equipment used as a complement 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 the event 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, and to put in place measures to reduce them as much as possible :

- 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 it is stopped ;
- the pendulum effect – the pendulum effect that the user may experience during the free fall or immediately after it has stopped. The user may then hit the ground and/or any object in the path of the pendulum effect fall ;
- suspension trauma – or orthostatic intolerance occurs when a user is suspended in his harness, particularly after a fall. The user must be rescued immediately and treated medically.

INSTALLING THE ROPE

Installing a rope in the RodeoStop :

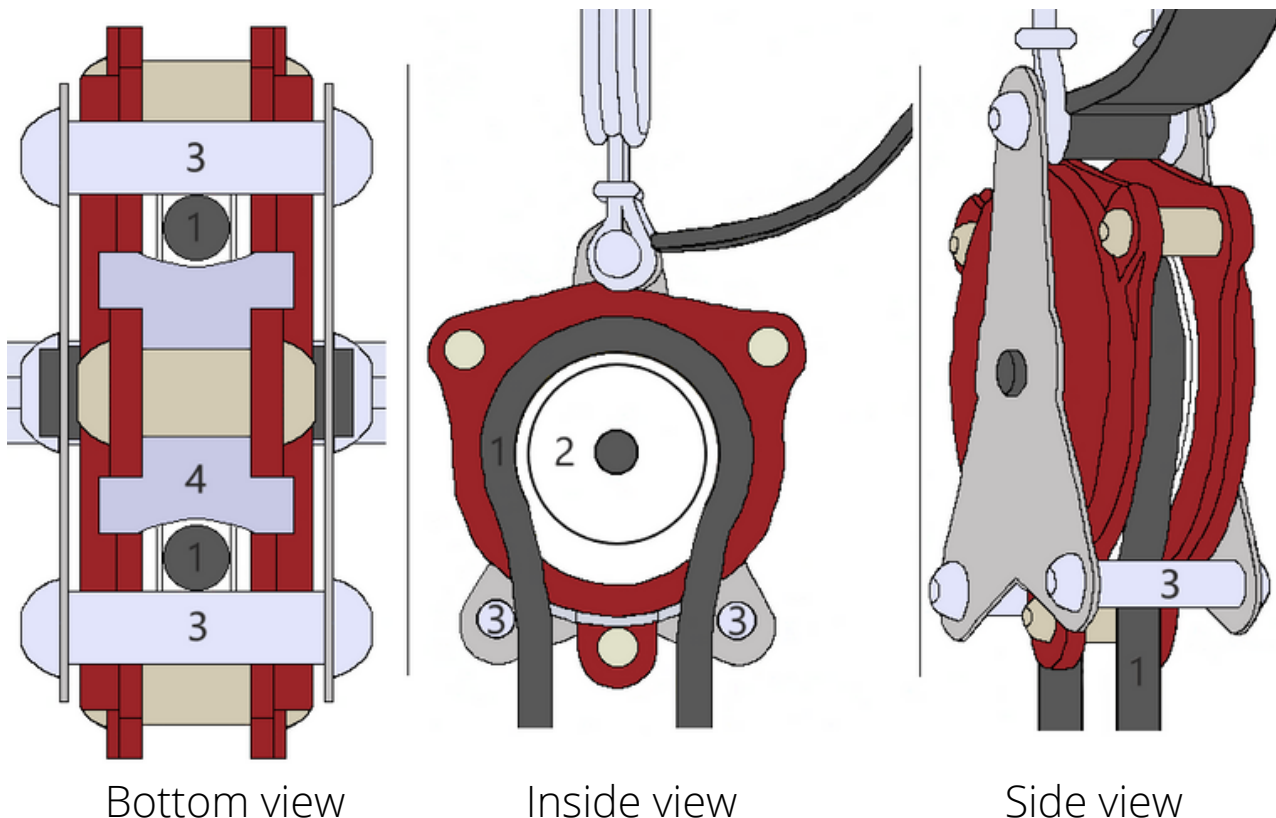
Step 1 : Insert the rope (1) between the rope pincher (4) and one of the two spacers (3) of the frame. See sketch below ;

Step 2 : slide the rope (1) around the sheave (2) at the bottom of the groove and pull out the rope (1) on the other side between the rope pincher (4) and the other frame spacer (3). See sketch below ;

Step 3 : check that the rope (1) is correctly installed in the device, by gently pulling it in both directions. It should run smoothly and without resistance ;

Step 4 : give one of the two strands of rope a quick pull; the rope should come to a complete stop and lock. Unlock the mechanism by pulling on the other strand of 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 general condition and that it is working properly. Check that the rope is correctly installed. Give one of the rope strands a quick pull and the mechanism should stop 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 all the equipment used complies with current standards and is in good working order.

A rescue plan must be established before using the RodeoStop so that it can be used safely and effectively in the event of an emergency.

Do not use the RodeoStop if safety is compromised by the equipment and/or installation and/or if the markings are not legible. Contact the manufacturer. If the device shows signs of damage or other reasons for malfunction, take it out of service, mark it "Out of Service" and return it to the manufacturer or to a centre approved by the manufacturer for repair.

USE

WARNING : When in use, the RodeoStop must be protected from shock, vibration, foreign bodies, radiation and chemical contamination.

After each use, check the condition of the RodeoStop, which must be free from corrosion and/or deformation. The rope used must be in perfect working order.

REMINDER : The performance of the RodeoStop may be affected by the limits 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, damage caused by the presence of foreign bodies, radiation, climatic conditions, etc...

Installing the RodeoStop :

Step 1 : connect the RodeoStop by its fall absorber to an EN 795 compliant anchorage point. Connect the webbing to a different anchorage point for double safety. If necessary, use an EN 362 connector ;

Step 2 : install the rope in the RodeoStop as described in the "**INSTALLATING THE ROPE**" section on page 6 of these instructions ;

Step 3 : make a two-way or counterweight installation. Pay attention to the minimum clearance required by the installation. It must be greater than the stopping distance of the fall plus one metre. See examples of installation by following this link : www.protectman.net ;

Step 4 : Connect your fall arrest harness to the rope using the appropriate anchor point ;

Step 5 : Climb up or down the structure allowing vertical movement.
WARNING : the rope connecting the RodeoStop to the user must always be tensioned.

If you fall, the device will automatically lock. Release the tension on the user strand to unlock it. A slight ascent of the user is sufficient.

WARNING : a sudden ascent by the user may cause the RodeoStop to lock in the opposite direction :

- in the case of a counterweight installation (see diagram on page 4), a slight descent by the user is sufficient to unlock the RodeoStop. **WARNING : this situation generates a significant and dangerous fall factor for the user. Stop ascending immediately 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 two-way installation (see diagram on page 4), a slight descent of the user is sufficient to unlock the RodeoStop,
- the user can ascend or descend on his own, or with the help of another person,

Step 6 : once you reached a secured position 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 service centre approved by PROTECTMAN.

After being put into service, the RodeoStop must be returned every 12 months to its manufacturer or to a service centre approved by PROTECTMAN for inspection.

In the event of intensive use or use in an extreme environment, the period between servicing must not exceed 6 months.

Repair, dismantling and/or modification of the RodeoStop by anyone other than the manufacturer or a service centre approved by the manufacturer is strictly forbidden.

Any repair, dismantling and/or modification of the RodeoStop by persons not approved by PROTECTMAN will automatically invalidate the warranty.

See the list of PROTECTMAN-approved service centres at www.protectman.fr.

LIFESPAN

The service life of the RodeoStop depends on usage and servicing. It should last a maximum of 10 years under the normal conditions of use described in these instructions. After that, the RodeoStop must either be refurbished or discarded.

STORAGE

Poor storage conditions will lead to premature deterioration of the device. Ideally, store the RodeoStop suspended by its fall absorber in a dry, well-ventilated place away from anything that could damage it. Never store the device on the floor. Do not expose the RodeoStop to shock, vibration, foreign bodies, radiation or chemical .

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 clean water and a neutral detergent if necessary. Rinse with clean water and wipe with a soft cloth. Leave to dry naturally, suspended by its shock absorber, in ventilated place away from the external aggressions mentioned in the "STORAGE" section page 9.

Transport the RodeoStop in such a way as to protect it from any danger likely to affect its performance and resistance, ideally isolated from other products and stored in a suitable container, never in bulk.

WARRANTY


The RodeoStop is guaranteed against any manufacturing defect for 12 months from the date of delivery. The warranty will be void if the device is dropped, if parts are modified or repaired outside PROTECTMAN's workshops, or if the device is not used in accordance with 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 liable for any direct, indirect or accidental consequences or for any other type of damage occurring or resulting from improper use of its products.



INFORMATION ON MARKINGS

The marking is laser engraved on the frame of the device :

- on the front, month and year : stamp indicating the date of manufacture and maintenance;
- the model and type of device: **RodeoStop** Automatic Fall Arrester;
- EN 360:2002 : complies with European standard EN 360 : 2002;
- batch number : « A000 » and serial number : « 0000 »;
-  : pictogram in compliance with European PPE Regulation n°2016/425;
- 2927 : identification number of QUINTIN CERTIFICATIONS, notified body responsible for production control (C2 module), which carried out the EU type-examination :

QUINTIN CERTIFICATIONS SARL

825 route de Romans
38160 Saint-Antoine-l'Abbaye - FRANCE

- name and contact details of the manufacturer;
- a grid symbolising the path of the rope through the device;
-  : a pictogram reading the instructions for use before use;
-  : a pictogram representing a maximum operating weight of 130 kilograms for one user at a time;
- a sketch indicating use with a counterweight. A sketch indicating use in a two way installation with a return pulley;
- oblique lines on the edges indicating the type of rope to be used, semi-static rope complying with EN 1891 Type A with a diameter of 10 or 10.5 mm;

More information on
www.protectman.fr

If you are having trouble with your **RodeoStop**,
contact us at service@protectman.fr