

pulleySAVER

Herstellerinformationen und Gebrauchsanleitung/
Manufacturer's information and instructions for use

Nach: EN 795B:2012, EN 795B:1996,
ANSI Z133-2012 für Baumpflegearbeiten und
AS/NZS5532:2013

Acc. to: EN 795B:2012, EN 795B:1996,
ANSI Z133-2012 for arboricultural operations and
AS/NZS5532:2013

CZ	Obecný	115
	Použití	116
	Typy aplikací	117
	1. Dvojitý pramen - kolísavý	117
	2. Uškrčená smyčka	117
	3. Dvojitý pramen - obeprnutý	118
	4. Dvojitý pramen - uškrčený	118
	5. Dvojitý provazec při použití Prusikova uzle s očnicí	118
	6. Vyrovnávací kotva při použití equaLIZA	118
	Sundání/Demontáž systému / Varování	119
	Montáž náhradních dílů / Omezení při použití	120
	Bezpečnostní informace	121
	Přeprava, skladování a čištění	122
	Pravidelné revize	123
	Údržba / Životnost	124

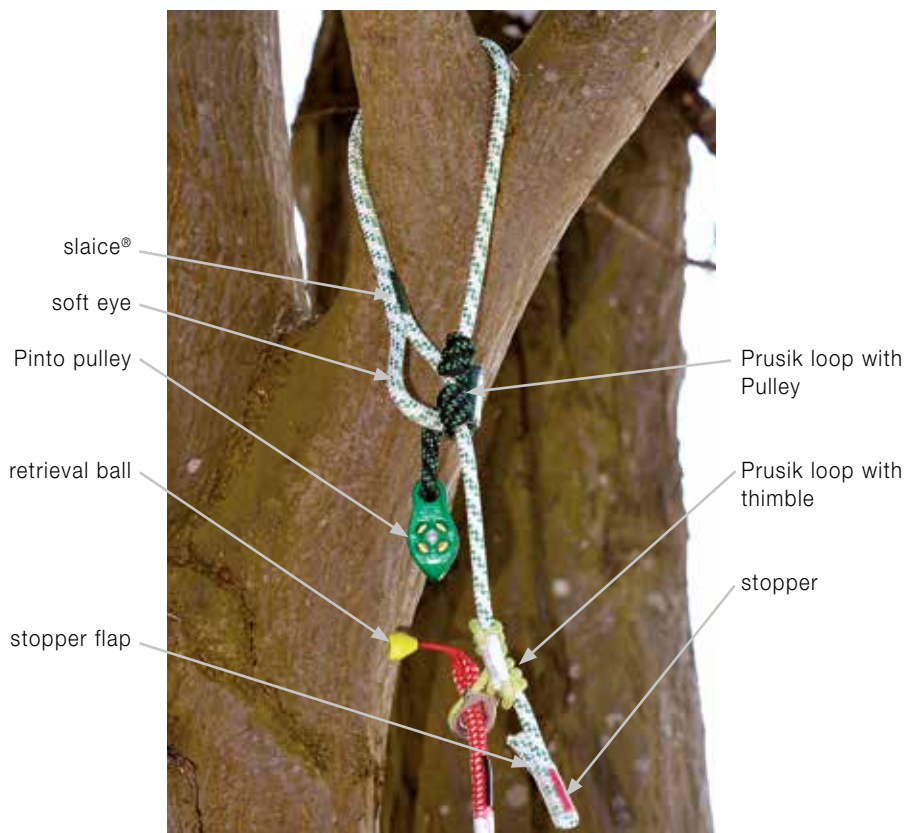
PL	Informacje ogólne	126
	Stosowanie	127
	Rodzaje zastosowań	128
	1. Podwójna linka – kołysząca się	128
	2. Pętla zaciskowa	129
	3. Podwójna linka – owinięta	129
	4. Podwójna linka – zwężona	129
	5. Podwójna linka – z zastosowaniem pętli Prusika z sercówką	129
	6. Kotwica wyrównująca – z zastosowaniem equaLIZA	130
	Zdejmowanie / Demontaż systemu	130
	Ostrzeżenie / Montaż części zamiennych	131
	Ograniczenia w stosowaniu	132
	Zsady bezpieczeństwa / Transport, składowanie i czyszczenie	133
	Regularne przeglądy	134
	Serwisowanie / Trwałość	136

DK	Generelle	138
	Anvendelse	139
	Anvendelsesmåder	140
	1. Dobbeltstreng – svingende	140
	2. Slyngestik	140
	3. Dobbeltstreng – omslynget	141
	4. Dobbeltstreng – indsnævret	141
	5. Dobbeltstreng – ved brug af prusik-loopet med kovs	141
	6. Udlignende forankring – ved brug af equaLIZA	141
	Aftagning / Afmontering af systemet	142
	Adversel / Monterig af reservedele / Inskrænkning i anvendelsen	143
	Sikkerhedsanvisninger	144
	Transport, opbevaring & rengøring	145
	Regelmæssige kontrol	146
	Instandsættelse / Levetid	147

INHALT / CONTENT NOMENKLATUR / NOMENCLATURE

SK	Všeobecné	149
	Použitie	150
	Spôsoby použitia	151
	1. Dvojité lano - kolísavé	151
	2. Zadrhovacia slučka	152
	3. Dvojité lano - ovinuté	152
	4. Dvojité lano – zúžené	152
	5. Dvojité lano – s použitím Prusíkovej slučky s očnicou	152
	6. Vyvažovacia kotva – s použitím equaLIZA	152
	Snímanie / Demontáž	153
	Výstraha / Montáž náhradných dielov / Obmedzenie použitia	154
	Bezpečnostné informácie	155
	Transport, skladovanie & čistota	156
	Pravidelné kontroly	157
	Údržba / Životnosť	158

NOMENKLATUR / NOMENCLATURE



NOMENKLATUR / NOMENCLATURE

ENGLISH	slaice®	Prusik loop	stopper flap	stopper	retrieval cone	PINTO pulley	soft eye	thimble
DEUTSCH	slaice®	Prusik-schlinge	Stopper-Lasche	Stopper	Abziehkonus	PINTO Rolle	soft eye	Kausche
FRANÇAIS	slaice®	anneau de Prusik	languette de butée	butée	cône d'extraction	poulie PINTO	soft eye	cosse
NEDERLANDS	slaice®	Prusik-strop	Stopper Flap	Stopper	Aftrek-conus	PINTO katrol	soft eye	Kous
ITALIANO	slaice®	Nodo Prusik	Linguetta di arresto	Arresto	cono di distacco	Carrucola PINTO	soft eye	radancia
SVENSK	slaice®	prusikslingen	stoppremmen	stoppa-nordningen	avdragningskon	PINTO rullen	soft eye kužel	kausring
ESPAÑOL	slaice®	Prusik loop	cabo del nudo de tope	nudo de tope	Cono de extracción	PINTO pulley	soft eye	Guardacabos
SUOMALAINEN	slaice®	Prusik-lenkki	pysäytinkiekkkeen	pysäyttimen	Laskukartio	PINTO pulley	soft eye	Sisävahvike
NORSK	slaice®	prusikslingen	stopperenden	stopperen	trekk-kjegle	PINTO pullyen	soft eye	tauring
ČESKÝ	slaice®	Prusíkův uzel	lamela blokantu	blokant	Stahovací kužel	PINTO pulley	soft eye	Očnice
POLSKIE	slaice®	Pętla Prusika	jęczyczek stopera	stoper	stożek zdejmowania	PINTO krążek	soft eye	sercówka
DANSKE	slaice®	Prusik-slyng	Stopper-lask	Stopper	Trækkegle	PINTO-rulle	soft eye	Kovs
SLOVENSKÝ	slaice®	Prusíková slučka	zarážkový ohyb	zarážka	sťahovací kužel	PINTO kladka	Soft-eye	očnica

We appreciate that you have chosen a TEUFELBERGER product. Please read these instructions for use carefully.

WARNING

This product may be utilized only by persons trained in its safe use and having the relevant knowledge and skills, or under the direct supervision of such persons. Whenever possible, the equipment should be provided personally to the user. It may be used only within the specified limited scope of use and for the defined purpose.

Prior to using this product, read this document thoroughly, make sure you understand the instructions for use and keep them with the product, together with the Inspection Sheet! Keep instructions for future reference. In addition, check national safety regulations regarding personal protective equipment (PPE) for arborists' use for local requirements.

The product accompanied by this set of instructions is type-examined, CE-marked to state conformity with the European directive 89/686/EEC on Personal Protective Equipment (PPE) and meets the European standard(s) given on the product label. The product does however not comply with any other standards, in particular the product does not comply with any American standards (like ANSI) unless explicitly stated.

If the system is sold or passed on to another user, the instructions for use must accompany the equipment. If the system is transferred to another country, it is the responsibility of the seller/previous user to ensure that the instructions for use are in the correct language for that country.

TEUFELBERGER is not responsible for any direct, indirect, or incidental consequences/damage occurring during or after the use of the product and resulting from any improper use, especially caused by incorrect assembly of the equipment.

Edition 05/2017, art. no.: 6801180

Only use the system as described below.

For your convenience parts and components that may be load bearing are designed in **green** whereas those that may under no circumstances be used to hold PPE loads are marked **red**. Never connect to the stopper flap!

WARNING

The use of our products can be dangerous. Our products may only be used for their intended purpose. They must particularly not be used for lifting as specified in EU directive 2006/42/EC. The customer is responsible that the user has been trained in the safe use of the product and in accompanying safety precautions. Be aware of the fact that the product can cause damage if wrongly used, stored, cleaned or overloaded. Check national safety regulations, industry recommendations and standards for local requirements. TEUFELBERGER® and 拖飞宝® are internationally registered trademarks of the TEUFELBERGER group.

EXPLANATION OF LABEL NOMENCLATURE

Product name

EN 795B: Standard for transportable, temporarily mounted anchor device, protection against falls from a height

ANSI Z133-2012: US-american standard for arboricultural operations

AS/NZS5532:2013: rating: single person / limited freefall ... Australian/New Zealand standard for anchor devices, class: single person / work positioning / restraint system

L: Length in [m]

Ser. Nr.: Year/month of manufacture - serial number

CE 0408 The CE mark certifies compliance with the fundamental requirements of 89/686/EEC (Personal Protection Equipment). The number identifies the testing institute (e.g., 0408 for TÜV Austria Services GmbH, Deutschstraße 12, A-1230 Vienna, Austria). α Max. 120°: Indication that the angle between the rope sections around the anchor points may be 120° maximum.



Manufacturer

„single user only“ Indication informing the user that it is necessary to read the instructions for use
indication informing the user that the anchor device must only be used by a single user.

“personnel attachment only” only for personal fall protection purposes

SMK 40474 license number - identifies certification to AS/NZS

The European standard symbols for washing of textiles and their care are used.

USE

Note: For operating parameters also consult the specific user instructions for all hardware that is part of the pulleySAVER, i.e. DMM PINTO Pulley.

- This anchor device was tested to EN 795, Class B, for use by a single person using personal protective equipment.
- Pursuant to EN 795, this anchor device (anchor point) for personal protection equipment must be capable of withstanding a force of 18 kN in every described mode of use when new.
- This assembly is intended for use in a work positioning system. It shall not be used for fall arrest applications. Under no circumstances shall the potential fall distance exceed 500mm.
- Whenever possible, the anchor point should be vertically above the user. The potential for, and consequences of pendulum swings shall be managed at all times.
- Check the structure to which you fasten the anchor device as to whether or not it is of suitable and sufficient strength for the purposes of supporting any foreseeable loading including that in an emergency contingency. Prior to using it have the anchor device checked by a competent person. The product can be used as a belay for the rescuer after a single fall – this must only be done if a suitable structural anchor (tree / branch) is chosen. The structural anchor (tree / branch) must withstand more than 12 kN.
- Always attune the length of the anchor device to the object it is installed around.

MODES OF USE

- A work positioning system must always be maintained as taut as possible from the anchor point to the belayed person (avoid rope slack).
- When working in fall arrest note that
 - an energy absorber according to EN 355 is needed that reduces dynamic forces to max. 6 kN.
 - the lanyard including fall arrest systems and connection elements must not exceed 2 m.
 - a clearance of 7m underneath the user is needed to avoid ground impact.

MODES OF USE

This anchor device can be used in six different configurations:

It is the responsibility of the user to have sufficient understanding of the structure being climbed to ensure that suitable anchor points are selected for fall protection. The user is responsible for selecting the appropriate configuration of pulleySAVER for the anchor point selected.

1. **Double strand** – Swinging
2. **Choked**
3. **Double strand** – Wrapped
4. **Double strand** – Constricted
5. **Double strand** – using the Prusik loop with thimble
6. **Equalising anchor** – using the equalLIZA



fig. 0A

fig. 0B

CAUTION!

Please make sure that the Pinto pulley and the thimble on the Prusik loop do not contact one another, but that they are spaced at a distance from one another. Otherwise, the thimble might be pulled into the pulley and damage it. (Fig. 0A and 0B)

Ad 1. Double strand – Swinging



fig. 1



fig. 2



fig. 3

In this configuration the pulleySAVER is placed around the structural anchor and the pulley is passed through the soft eye. The Prusik loop does not pass through the soft eye. The pulleySAVER therefore grants great freedom of “swinging” movement in the tree. Note that the form of the structure (e.g. a branch junction) retains the pulleySAVER in place.

Beware that lateral movements by the climber may cause the anchor device to migrate across the structure to a location where it is no longer suitable for use as a fall protection anchor. It is the user's responsibility to monitor the anchor device.

The climbing rope should always be put through the thimble which takes over the function of the retrieval snap.

The angles indicated on the label is observed!



fig. 4

Ad 2. Choked

This configuration can be adopted when the desired anchor location is on a relatively featureless tree stem. In order to choke the tree effectually the Prusik loop must be passed through the soft eye. Note that lateral movement may increase or decrease the choking action. It is the responsibility of the user to locate the anchor device appropriately in relation to the anticipated site of work.



fig. 5

Ad 3. Double strand – Wrapped

This configuration again allows the establishment of an anchor on a relatively featureless stem. The pulleySAVER must be wrapped tightly around the tree trunk to give sufficient grab. The pulley is passed through the soft eye. The Prusik loop does not pass through the soft eye. The bite of the Prusik loop allows some freedom of movement for the pulley.



fig. 6



fig.7

Ad 4. Double strand – Constricted

The anchor device is shortened so that the pulley just passes through the soft eye. This configuration is useful for work positioning on stems when the climber is close to the anchor point e.g. when removing sections from a vertical stem.

The soft eye may be loaded at all times, so that problems may be experienced during retrieval i.e. when attempting to pull the pulley through the soft eye. It may be necessary to flick the climbing line (on the pulley) to allow the pulley to pass through the soft eye.



fig. 8

Ad 5. Doubled – using both Prusik Loops with pulley and thimble

In this configuration the Prusik Loop with thimble is not only used for retrieval of the system but also as a load bearing part of the anchor. The Soft Eye is not used.

Note: The Prusik Loop with thimble contains a core of Dyneema® fibers that are not heat resistant. When installed correctly, the friction hitch is positioned where needed and remains in that position. Movement of a loaded friction can lead to heat build up through friction/abrasion. Heat build-up (>60°C) must be avoided.

The pulleySAVER is placed around the structural anchor (tree/branch). The length of the pulleySAVER is adjusted with the help of the two Prusik Loops. To ensure reliable function, ensure that the Prusik knots are: Not in contact with the structure; and Correctly tied, dressed and set.



fig. 9

Note: Beware that lateral movements by the climber may cause the anchor device to migrate across the structure to a location where it is no longer suitable for use as a fall protection anchor. It is the user's responsibility to monitor the anchor device. **Please make sure that the Pinto pulley and the thimble on the Prusik loop do not contact one another.**

Ad 6. Equilizing anchor – using the equalIZA

This mode of use is typically selected when the climber is not confident about the structural strength of one anchor on its own, or when an anchor needs to be created between two existing points. (fig. 10)

Use our equalIZA as auxiliary equipment. There are two techniques to install the equalIZA link:

1. Compress the soft eye of the pulleySAVER and slide on the green Anchor Ring of the equalIZA (fig.11). Allow the soft eye to spring back into position and retain the equalIZA link (fig. 12).
2. Remove both Prusik loops from the pulleySAVER rope. Slide the green Anchor Ring of the equalIZA over the tail of the pulleySAVER and up to the soft eye. Reinstall both Prusik loops in the correct relative positions. (fig. 13-16)

Note that the combined strength of the two anchors points is used to create a single „virtual“ anchor that can be adjusted in length and will move as the climber changes work position.



fig. 10



fig. 11



fig. 12



fig. 13



fig. 14



fig. 15



fig. 16

WARNING: The angle between the rope sections around the upper anchor points may be 120° maximum to limit the load exerted on the rope sections. When selecting anchor points, ensure that the pulleySAVER will be retained in position during the full range of operation and that it cannot move out of position unintentionally. During retrieval of the system the Pulley is pulled through two Soft Eyes - the pulleySAVER and the equalIZA.

RETRIEVAL OF THE SYSTEM

RETRIEVAL OF THE SYSTEM

When secured safely within the tree, or with stable footing on the ground at the end of the climb, install the retrieval cone on to the termination of the climbing line as shown:

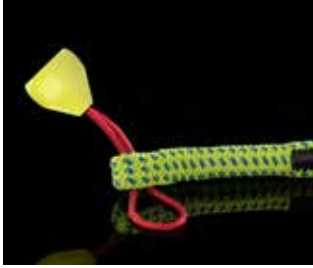


fig. 17



fig. 18



fig. 19

Again, when safely secured, detach the termination of the climbing line from its connector and pull the termination up to, and through the PINTO Pulley. Continue to pull until the Retrieval Ball locates in the thimble of the Prusik Loop with thimble. Pull again until the PINTO Pulley is pulled through the Soft Eye, the Soft Eye is retrieved around the structural anchor point, and the assembly can be lowered.



fig. 20



fig. 21



fig. 22

Importance of lowering pulleySAVER under control.

It is vital that pulleySAVER is retrieved and lowered under control. High impact forces may damage pulleySAVER, in particular the metal parts, making the assembly unfit for its' intended purpose. There are a number of techniques which can be used to lower pulleySAVER in a controlled manner. Most commonly, a thin line is placed over a branch a short distance above pulleySAVER, then connected via an accessory karabiner to the Soft Eye. The bag containing the thin line is then thrown from the anchor point to the outside of the canopy where it falls to the ground. Caution is required to ensure it is safe to allow the line to take the chosen route, to ensure nothing will be damaged or that it becomes entangled e.g. in moving traffic or utility lines.

WARNING / MOUNTING OF REPLACEMENT PARTS

At the end of the climb, it is necessary to hold the thin line when retrieving the pulleySAVER in order to control its' rate of descent!

WARNING

Components and sections of the pulleySAVER assembly coloured red are not rated for fall protection.

Note the presence of red stitching on the Stopper and the Stopper Flap. Neither may be used for fall protection.

Note the red Spacer on the Prusik Loop between the attachment holes of the Pulley. The red spacer is not an anchor point and may not be used for fall protection!

MOUNTING OF REPLACEMENT PARTS

For replacement, it is imperative that you use only the replacement part approved by the manufacturer. Before using the equipment again, be sure to verify that the spare part has been replaced correctly. If you lack the experience, skills, and knowledge that are necessary for this job, please consult a competent person or the manufacturer.

SIRIUS LOOP 10MM P-S (OR P-L) AND OD LOOP 7MM T



fig. 23



fig. 24



fig. 25



fig. 26



fig. 27



fig. 28

LIMITATIONS OF USE

Note that the ropes must not cross but always lie parallel.

Replacement Parts:

- pulleySAVER replacement part with soft eye (Art.no. 7350838/-39/-40)
- Sirius Loop 10mm P-S (Art.no. 7350061)
- OD Loop 7mm T (Art.no. 7350606)
- Sirius Loop 10mm P-L (Art.no. 7350060)
- equalIZA (Art.no. 7350837) not certified to AS/NZS!

PRODUCT INFORMATION WITH REGARD TO EN 795, CLASS B

According to EN 795, class B, the product is suited for a single person. Following the fall of the belayed person, the rescuer may belay himself/herself at the anchor device that has already been subjected to one fall. That is to say in type testing, dynamic load was tested twice in succession, without carrying out adjustments or other reconditioning work on the anchor device.

Warning: The structural anchor (tree / branch) must be suitable, too. Make an adequate estimation taking into account type and condition of the tree etc.

LIMITATIONS OF USE

Never carry out work with this product if, as a result of your physical and mental condition, your safety might be compromised in scenarios of normal use or in emergencies!

Do not place this product near sharp edges!

Care should be taken to ensure that the rope (or any other part of the system) is routed away from surfaces that may damage the rope (or any other component), or that suitable and sufficient protection is appropriately placed to ensure the rope and other components are protected. Keep away from surfaces which may cause damage to the work equipment e.g. sharp or abrasive surfaces or edges.

The anchor device shall be used for personal protective equipment and not for lifting devices - as in rigging operations!

GRAB FUNCTION OF THE FRICTION HITCH

The friction hitch is a means of adjusting the length of the anchor device. In adverse conditions or environments, the function the pulleySAVER may be affected. For example, greater care may be needed to ensure that the friction hitch grabs reliably. Ice, mud, rain, cold, snow and tree exudates are examples of localised or climatic conditions that may demand greater attention from the user. Beware, tree exudates may create conditions similar to those made by lubricants or adhesives. Contamination of ropes with tree exudates may lead to rope hardening and reduce friction hitch grab reliability. Maintain ropes so that their function is reliable. Ideally, ropes should always be dry, clean and perform equally along their entire length.

Great care shall be taken to ensure that objects (such as leaves or twigs) are not trapped by the friction hitch. Friction levels may be lowered, the grab function may fail, resulting in a descent until the friction hitch meets the stopper. To minimise this risk, users shall select the site of installation in the tree (and other structures where debris may be encountered) to avoid this situation.

Check also at all times that objects (including karabiners, rope crossings, twigs etc.) do not contact the top of the friction hitch and affect or eliminate the reliable grab function.

Modifications or additions to this product, apart from replacement of the spare parts as described above, are unacceptable, unless done by the manufacturer.

CAUTION!

Please make sure that the Pinto pulley and the thimble on the Prusik loop do not contact one another, but that they are spaced at a distance from one another. Otherwise, the thimble might be pulled into the pulley and damage it.

TO BE OBSERVED PRIOR TO USE

Prior to every use, this product must be subject to a **visual inspection** in order to verify its integrity, readiness for use and proper functioning.

Once the product has been subject to a fall, its use must be discontinued immediately. If the slightest doubt remains, the product must be retired or may not be used again until a duly competent person, having subjected such product to the required testing and inspections, has approved its further use in writing.

It must be ensured that the recommendations for **use with other components** be complied with: ropes need to meet EN 1891, while carabiners need to meet EN 362 and any further PPE must meet the harmonized standards under the regime of EU guideline 89/686/EEC.

Be sure to observe the recommendations provided in this Manufacturer's Information document and the specifications contained in the "Documentation of Equipment".

The compatibility of all components in the load chain is of critical importance. Ensure all neighbouring components are compatible. Ensure all components are correctly configured. Failure to do so increases risk of serious injury or fatality.

It is the responsibility of the user that a relevant and 'live' Risk Assessment is in place for the work to be carried out which includes emergency contingencies. A plan of rescue measures that covers all foreseeable emergencies needs to be in place before this product can be used. Prior to and during use, rescue measures that can be executed safely and effectively must be considered at all times.

TRANSPORT, STORAGE & CLEANING

Note: For transportation, storage and cleaning parameters also consult the specific user instructions for all hardware that is part of the pulleySAVER.

The textile pieces of the pulleySaver consist of polyester, aramide and Dyneema®. Aramide and Dyneema® are not UV-stable. Sun and chemicals attack the material and cause its strength to decrease. In the event of reactions such as discoloration or hardening, retire the product for safety reasons. Furthermore, Dyneema® must never be exposed to temperatures above 60°C.

The thimble consists of 17-4 PH stainless steel that has been heat treated and electropolished. Do not store this product in corrosive conditions.

When transporting the product, it must always be protected from light and dirt and provided with suitable packaging (moisture-repellent material that is impervious to light).

Conditions of storage:

- Protected from light (UV radiation, welding machines ...)
- Dry and clean
- At room temperature (15 - 25 °C)
- Not in the proximity of chemicals (acids, lyes, liquids, vapours, gases, ...) and other aggressive environments
- Protected against sharp-edged objects

Therefore, store the product dry and ventilated in a moisture-repellent bag that is impervious to light.

For **cleaning**, use lukewarm water and – if available – a rope detergent in accordance with the cleaning instructions provided thereon. Do not use a textile detergent. Following cleaning, rinse the product with plenty of clear water.

In any event, prior to storage or use, allow the product to dry completely in a natural way and not in direct sunlight, or near fires or other heat sources.

For **disinfection**, use only such substances that do not have an impact on the synthetic materials used. Do not disinfect the product more often than is absolutely necessary! We recommend the use of isopropyl alcohol 70%. Apply the disinfectant to the surface for about 3 minutes and allow the product to dry naturally. Be sure to observe the safety instructions for the use of the disinfectant.

If you fail to observe these provisions, you will be putting yourself into danger!

REGULAR CHECKS

Note: For inspection parameters also consult the specific user instructions for all hardware that is part of the pulleySAVER.

Checking the equipment at regular intervals is absolutely necessary: your safety depends on the effectiveness and durability of the equipment!

Following each use, the product should be checked for abrasion and cuts. Also check it for the legibility of the product labelling! The use of damaged components or components subjected to a fall must be discontinued at once. If there is only the slightest doubt, the product needs to be retired or subjected to testing and by a competent person.

When using the equipment in occupational health and safety to EN 365, it must be checked at least every 12 months by a duly qualified person strictly observing the instructions, or else by the manufacturer, and it must, whenever necessary, be replaced. These inspections must be documented (documentation of equipment; (..., cf. the following table). According to AS/NZS 5532:2013, such written records must be made available to the user. It is advisable to mark the anchor device with either the next or the latest date of inspection.

Refer to national regulations for inspection intervals.

Product inspection record sheet:

Manufacturer: TEUFELBERGER Fiber Rope GmbH, Vogelweiderstraße 50, A-4600 Wels	Model: pulleySAVER	Retailer:	
Batch No.:	Serial No.:	Name of User:	
Date of Production:	Purchase Date:	Date of First Use:	Date of Retirement:
Compatible components within harness based work at height systems:			
Comments:			

REGULAR CHECKS / MAINTENANCE / SERVICE LIFE

Written Inspection Record Sheet - pulleySAVER

Date	Inspection type '(p, w, t, e)	Findings and actions (Defects, repairs, etc.)	Accept, Reject or Correct?	Next inspection date	Name and Signature of competent person

*Inspection types: p = pre-use check, w = weekly inspection, t = thorough inspection, e = exceptional circumstances

Such inspections must at least comprise the following:

- Check of general state: age, completeness, soiling, correct assembly
- Check of label: Does it exist? Is it legible? Is there a CE marking? Does it specify the year of manufacture?
- Check of all individual parts for mechanical damage such as: cuts, cracks, indentations, abrasion, formation of ribs, kinks, crushing.
- Check of all individual parts for thermal or chemical damage such as: fusing, hardening.
- Check of metal components for corrosion and deformations.
- Check of condition and completeness of end connections, stitching (e.g. no abrasion of sewing thread), splices (e.g. no slippage), knots.

Again, the following rule applies: If there is only the slightest doubt, the product needs to be retired or subjected to testing by a competent person.

MAINTENANCE

Repairs may be carried out only by the manufacturer.

SERVICE LIFE

Note: For maintenance, lifespan and obsolescence also consult the specific user instructions for all hardware that is part of the pulleySAVER.

Friction Hitch cord (Sirius and Ocean Dyneema®) are consumable wear parts. Expect to see signs of wear. Expect to replace friction hitch cord regularly. Regular monitoring is essential e.g. pre-use checks, weekly inspections, thorough examinations (consult national legislation for interval) and after exceptional circumstances.

The product's service life of the Prusik Loop with thimble may be up to 2 years from the day

the product was first taken out of the undamaged light-protected package, and the product must be retired after no later than 2 years of having been used. It is assumed that the product is taken out of the package at the time of the purchase. We recommend that you keep the original sales receipt which is the proof of purchase.

The theoretically possible total product life (correct storage prior to first removal + period of use) is limited to 5 years from the date of manufacture.

It is available as a spare part („OD Loop 7mm T, Art. no. 7350606) at TEUFELBERGER (www.teufelberger.com).

For the rope to which the Prusik knots are fastened and for the Prusik Loop with the pulley the service life may extend to up to 5 years from the date of manufacture on condition that the product is used infrequently (1 week per year) and stored properly (see section “Transport, storage and cleaning”).

Aramids and Dyneema® are not UV resistant (incl. sunlight). Therefore, keep the rope protected against UV and be sure to replace it immediately if discoloration, hardening, or yarn damage (abrasion of fiber parts, fibrillation, bleaching, mechanical wear, etc.) occur.

The actual useful life depends solely on the condition of the product, which in turn is influenced by various factors (see below). Extreme influences may shorten service life to a single use only or to even less if the equipment is damaged prior to its first use (e.g. in transport).

Mechanical wear and other influences such as the impact of sunlight will decrease the life span considerably. Bleached or abraded fibres, discoloration, and hardened spots are certain indicators that the product needs to be retired.

It is clearly not possible to offer a general statement about the product's service life, as such life span depends on various factors, e.g. UV light, type and frequency of use, handling, climatic influences such as ice or snow, environments such as salt, sand, battery acid etc., heat contamination (above normal climatic conditions), mechanical deformation and/or distortion,... (incomplete list!).

After use, the pulleySAVER must be removed from the tree. It is not designed for permanent mounting on a tree. The lifetime of an installed anchor depends not only on the material of the sling but also on the condition of the tree and on how the sling is attached.

In general, the following rule applies: If the user, for whatever reason – however insignificant it may seem – is uncertain whether or not the product meets all the necessary criteria, either reject it from service and render unusable, or place in quarantine and label in an obvious manner so that it cannot be used by mistake. Only return to service following the written authorisation of a competent person.

Withdraw equipment from service if it has been used to arrest a fall.



Download
Treecare Catalogue



TEUFELBERGER Fiber Rope GmbH

Vogelweiderstraße 50

4600 Wels, Austria

Telephone: +43 (0) 7242 413-0

Fax: +43 (0) 7242 413-169

fiberrope@teufelberger.com

www.teufelberger.com