antiSHOCK TOOL LANYARD

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

Art.-Nr.: 6801215 / Ausgabe 08/2018

⚠ CAUTION

This product is NOT personal protective equipment (PPE) against fall from heights!
This product accordingly does not meet the requirements of the European regulation (EU) 2016/425 on Personal Protective Equipment (PPE) . It was however type examined by TÜV Austria Services GmbH, Deutschstrasse 10, A-1230 Vienna and is designed for use in work at height in trees (arboricultural work). **It is important for your own safety to know and understand the function of this product prior to use!**

Work at height is a high risk activity. It is your responsibility to manage those risks. For work at height you must use suitable Personal Protective Equipment (PPE). The antiSHOCK tool lanyard is NOT PPE!

Before using this product you must:

- Inspect each component for defects;
- Read and understand all relevant User Instructions;
- Understand the scope of application of each component and any limitations;
- Recognise, register and manage the risks involved;
- Gain instruction from competent personnel where appropriate; and
- Accept that there can be no claim for damages, injury or death resulting from misuse of equipment.

⚠
CAUTION
Failure to manage risks may result in serious injury or death.

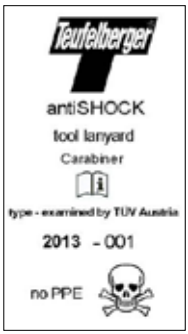
This product may be utilized only by competent persons trained in its safe use and relevantly and verifiably trained as arborists, or be under the direct supervision of such persons. The antiSHOCK tool lanyard shall be allocated to a single user: A removable label attached to the new product again warns that the antiSHOCK tool lanyard **must not be** mistaken for a lanyard of a PPE EN355 shock absorber.
The product may be used only within the specified limited scope of use and for the defined purpose(s).

Prior to using this product, read this document thoroughly, make sure you understand the User Instructions and keep them for future reference.
Edition 08/2018, art. no. 6801215

⚠ 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 TEUFELBERGER group.

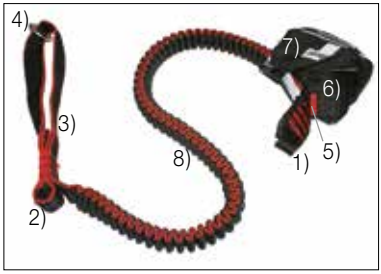
EXPLANATION OF LABEL NOMENCLATURE



antiSHOCK tool lanyard – product name
type-examined – indicated that this product was type-examined by TÜV Austria Services GmbH, Deutsch-strasse 10, A-1230 Vienna
Manufacturer – TEUFELBERGER Fiber Rope GmbH
Information that the User Instructions have to be read.
Year and month of manufacture - serial number
no PPE Attention: Is NOT personal protective equipment
Danger of fall or death from misuse!

NOMENCLATURE

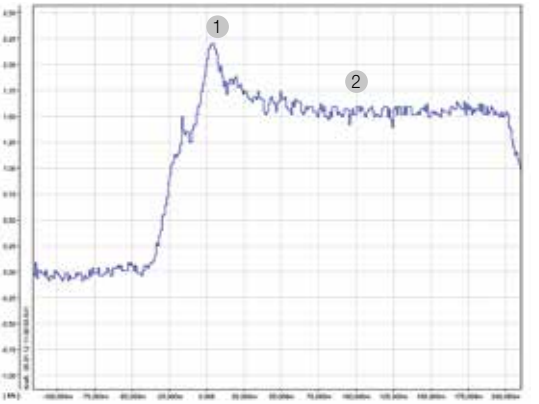
- Product as delivered (variants with carabiner or ring or without hardware)
  Note: Here "hardware" refers to either the carabiner or the ring.



1) Carabiner 1
2) Carabiner 2 or ring
3) Tool loops long and short
4) Loosening ring
5) Fuse stitching
6) Energy dissipating webbing
7) Storage Pouch (with explanations of markings)
8) Elasticated webbing
9) Karabiner fasts x2

PRODUCT PERFORMANCE

The antiSHOCK tool lanyard is a lanyard for heavy tools such as chainsaws. Its distinctive feature is energy dissipation: If more than 2,0 – 2,7 kN are exerted to the fuse stitching on the product the shock dissipating webbing is activated. Loads like that may occur when the chainsaw gets stuck in a branch that has been cut and is accelerating under the influence of gravity. Activation of the energy dissipating webbing reduces the dynamic load, i.e. the force applied to the harness, fall protection system and anchor point of the climber to approx. 1,5 – 1,8 kN. The webbing is torn apart until either the energy of the falling load is dissipated or the two webbings separate completely after approx. 70 cm and the tool or the chainsaw is released to fall with the load.
Anyway the load exerted to the climber, his fall protection system and anchor point is limited to approx. 1,8 kN. The product therefore helps prevent injuries that may be caused by excessive loads applied to the antiSHOCK tool lanyard.
If the dynamic load caused by the falling mass does not exceed the energy dissipating ability of the lanyard (e.g. the branch is released again or the mass is successfully arrested) the tool will



Activation force (static) (1)	2,0 – 2,7 kN
Tearing force (dynamic) (2)	1,5 – 1,8 kN
Length to tear	70 ± 2cm

be retained on the lanyard. The lanyard must now be retired from service.

USE

SITE ZONATION AND COMMUNICATION SYSTEMS

Work at height legislation often requires measures to be taken to prevent the unintended fall of any material or object. Where this is not reasonably practicable, measures should be taken to prevent a person (or other object) being struck by falling items. Such measures may include a risk zonation of the work site and subsequent demarcation to ensure that access is restricted to those who are aware of the site hazards and that members of the public are excluded and prevented from re-entering. Users should be aware of the local, national, regional or other legislation which applies to their work.

Note. It is important that effective communication is maintained between climber and co-workers during hauling/lowering operations, especially at the transfer stage after the assembly has arrived with the worker, and at all other times when there is potential for falling objects/material.

Coworkers should:

- Avoid standing directly under the load;
- Maintain control of the hauling rope at all times;
- Only release the hauling rope when instructed by the worker at height.

Workers at height should:

- Ensure coworkers, members of the public, important objects are not underneath the load as it is hauled;
- Monitor the lifting process and be ready and prepared to brake the line if the co-worker looses control;
- Instruct the coworker to release the hauling rope only when the load has been secured aloft.

CORRECT ATTACHMENT OF THE ANTISHOCK TOOL LANYARD TO TOOLS AND HARNESS:

Explanation of attachment points
1) Carabiner 1 for **secure attachment** of the antiSHOCK tool lanyard **to your PPE harness:**
Carabiner 1 is not included in delivery. Use a carabiner according to EN 362 and only apply load (load direction) as specified in its user instructions. In order to fix the carabiner in the direction of pull, use the enclosed carabiner retainer 9) on page 13 according to the pictures 9-11 on page 7.
Check which attachment point of your PPE harness is suitable. Attachment shall always be in the centre of your body (ventral or back) so that the force is exerted centrally to the user's body and the user is more likely to keep their balance.

2) Ring, carabiner 2 or textile loop (depending on model) for **temporary attachment** to the **PPE harness** when tool is not in use. For the model without hardware, use a separate EN362-compliant carabiner and follow the instructions for the model with carabiner. In that case, your carabiner will be "carabiner 2".

3) Long twisted textile loop for **secure attachment** of the antiSHOCK tool lanyard to the tool (girth hitch) – see "lanyard installation" for details.

4) To be used alternatively: Short textile loop for **secure attachment** of the antiSHOCK tool lanyard to the tool – see "lanyard installation" for details.

5) Metal ring for loosening girth hitch – No attachment point!

INSTALLATION OF THE antiSHOCK TOOL LANYARD
Lanyard installation – long (twisted) loop
Version with ring (pic. 1-3/page 7), Version with carabiner (pic. 4-6/page 7)

Loosening the girth hitch (pic. 7/page 7)

Lanyard installation – short loop (pic. 8 / page 7)
Attachment via a connector (ensure connector is correctly secured in the closed position)

Fixation of the carabiner (pic. 9-11/page 7)

Direct attachment to the chain saw (check chain saw manufacturer recommendations) (pic. 12-14/page 8)

Do not use both loops at a time! Minimum breaking strength of the link: 3 kN
Transfer of tools to/from the worker (pic. 15-16/page 8)
Establish a suitable system for hauling/lowering the tool to the worker. With the lanyard correctly installed on the tool, attach Connectors 1 and 2 (connector 2 may be a ring depending on the model) to the system. Raise or lower the tool to the worker in a controlled manner and hold the tool in place, such that the load is held by the hauling system (Fig. 15/page 8). The worker may then detach Connector 1 from the hauling system and connect it to an approved attachment point on the harness (Fig. 16/page 8). Once securely attached, Connector 2 may be detached from the hauling system and connected to, for instance, a non-PPE tool holder.

Working with the antishock tool lanyard (pic. 17-19/page 9)

LIMITATION OF USE

Never use this product if, as a result of your physical and/or mental condition, your safety in normal (or emergency) scenarios might be compromised.

Modifications or additions to this product are not acceptable, unless performed by the manufacturer.
The user must be aware that all energy dissipating functions of the antiSHOCK lanyard are disabled if Connector 2 is directly attached to a fall protection system.
Check that your PPE system is suitable for the intended work. If there is potential for a fall, a fall protection system must be used.

For work at height operations in trees, a work positioning system is frequently used. It shall only be used if the system includes a suitable backup system for preventing or arresting a fall (and the user is connected to it). A **second independent structural anchor point** is required especially during cutting operations. This second anchor point is of high importance for proper function of the antiSHOCK tool lanyard:
The reduced force shall be exerted to the user via the central attachment points on the front or back of the harness. Attachment to two independent anchor points helps the user keep their balance in the tree when performing tasks.

TO BE OBSERVED PRIOR TO USE

Prior to using it, this product must always be subject to a **visual inspection** in order to verify its integrity, readiness for use and proper functioning. Check whether the fuse stitching has been breached. In that case it must be withdrawn from service.

If the product is subjected to an impact force, its use must be discontinued immediately. If the slightest doubt remains, the product must be retired.
Always use correct personal protection equipment for work in trees! Your equipment and its components, respectively, must meet the harmonized standards under the regime of the European regulation (EU) 2016/425 on Personal Protective Equipment (PPE) and must be compatible.

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 AND CLEANING

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 mild-action detergents. Then, rinse the equipment with water of drinking quality and dry it prior to putting it into storage. Dry the product in a natural way, not near fires or other heat sources.

REGULAR CHECKS & INSPECTION

Checking the equipment at regular intervals is absolutely necessary: your safety depends on
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the effectiveness and durability of the equipment!
Even if this product is not PPE we recommend handling, maintaining and inspecting it as if it were.

Before and after 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. attached Inspection Sheet). Refer to national regulations for inspection intervals.

Such inspections must comprise:

- Check general state: age, completeness, discolouration, correct assembly
- Check all individual parts for mechanical damage such as: cuts, cracks, indentations, abrasion, formation of ribs, kinks, crushing.
- Check all individual parts for thermal or chemical damage such as: fusing, hardening.
- Check metal components for corrosion and deformations.
- Check condition and completeness of stitching

Systems damaged or subjected to a fall must be retired immediately.
If there is the slightest doubt about the suitability of the product to perform its required task, the product must to be retired.

SERVICE LIFE

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!),

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 (s)he shall reject it from service and render unusable, or place in quarantine and label it in an obvious manner so that it cannot be used by mistake. The product may only be returned to service following the written authorisation of a competent person.

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Download
Treecare Catalogue

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