

## USER INSTRUCTIONS

<b>Applicable to Lanyard</b>	: REF. NO. : 10185600, 10185613
<b>Manufacturer</b>	: MSA Europe GmbH, Schlüsselstr. 12, CH-8645 Rapperswil-Jona Switzerland
<b>Certification Body</b>	: SATRA Technology Centre, Wyndham Way, Telford Way, Kettering, NN16 8SD, UK (Notified body 0321)
<b>Ongoing Assessment Body</b>	: SGS United Kingdom Ltd., Unit 202B, Worle Parkway, Weston-super-Mare, BS22 6WA, UNITED KINGDOM. (Notified Body 0120)

These Lanyards are classed as a Personal Protective Equipment (PPE) by the European PPE Directive 89/686/EEC and has been shown to comply with this Directive through the Harmonized European Standard EN 354:2010.

### CAREFULLY READ THESE INSTRUCTIONS BEFORE USING THESE LANYARD

These Lanyard are designed to minimise the risk of/provide protection against the danger of falling from heights. **However, always remember that no item of PPE can provide full protection and care must always be taken while carrying out the risk related activity.**

### PERFORMANCE AND LIMITATIONS OF USE

EN 354:2010 test	Result/Comment
Clause 4.1 Design and Ergonomics	Achieves required performance requirement
Clause 4.2 Material & Construction	Achieves required performance requirement
Clause 4.5 Static strength	Achieves required performance requirement

The Lanyard have been tested in accordance with EN 354:2010 and have achieved the following performance levels:

### POSSIBLE USAGE:

These Lanyard can be used as a part of a fall arrest system or as a part of a restraint system. If using as a part of fall arrest system, a suitable anchor point (above the user's head, as least 12kN) shall be used. Attachments between these lanyard and the anchor points and other equipment shall be made using Karabiners as per EN 262:2004. An Energy Absorber to EN 355:2002 shall be used in conjunction with this lanyard.

### IMPORTANT NOTICE:

- n Total length of a sub systems with a lanyard including an energy absorber, terminations and connectors shall not exceed 2m.

- n Do not use a lanyard without an energy absorber for fall arrest systems.
- n The strength of the anchor device should be greater than 12kN and the anchor point should be situated above the user's head.
- n Connect the lanyard to the anchorage point using the connector provided at one end. (If connector not provided, use Karabiners complying to EN 362:2004). The other end should be connected to the attachment element of the full body harness incorporating an energy absorber in case used for fall arrest systems.
- n To optimize protection, in some instances it may be necessary to use the lanyard with suitable other components. In this case before carrying out the risk related activity, consult your supplier to ensure that all components are compatible and suitable for your application.
- n The user should minimize the amount of slack in the lanyard near a fall hazard.
- n These lanyards cannot be choke hitched.
- n Two separate lanyards each with an energy absorber should not be used side by side (i.e. parallel), for such instance usage of double leg lanyard is recommended.

**MATERIAL USED:**

Twisted Rope Lanyards	-	Polyamide
Webbing Lanyards	-	Polyester
Kernmantle Rope Lanyards	-	Polyamide

- n Since all lanyards are made of polymers, the performance of which gets affected by temperatures, effect of sharp edges, electrical conductivity, chemical regents, cutting, abrasion, UV degradation etc, it is advised to consult your supplier for use in above extreme conditions.
- n Ensure before & during use that a rescue plan is in place to rescue the user after a fall has occurred.
- n These lanyards should only be used by a trained and/or otherwise competent person or the user should be under the direct supervision of such a person.
- n In case of minor soiling, wipe the lanyard with cotton cloth or a soft brush. Do not use any abrasive material. For intensive cleaning, wash the lanyard in water at a temp. not more than 40°C. Do not use acid or basic detergents.
- n It is preferred that the product be transported in its original packing. However if not available, it may be stored in an air tight bag & transported.

**ANCHORAGE INSTRUCTION:**

The strength of the anchor device should be greater than 18kN (for Textile) & 12kN (for Metal).

**WARNING:**

- n It is essential to verify that the medical condition of the user is  to use the lanyards in normal & emergency use.
- n Do not make any alterations or additions to the equipment without the manufacturer's prior written consent and that any repair shall only be carried out in accordance with the manufacturer's procedures.
- n While using the lanyard, ensure that the fall is not more than 2m i.e. the distance between the anchor point & the final position of the user after the fall has occurred.
- n Lanyard should be the personal property of its user.
- n It is important to check before use any dangers that may arise by the use of combinations of items of the equipment in which the safe function of any one item is affected by or interferes with the safe function of another.
- n Carry out a pre-use check of the lanyard, to ensure that it is in a serviceable condition & operates correctly before it is used.
- n Inspect all the rope or webbing of lanyard for cuts/abrasion marks. Also check all connectors

- of the lanyard for proper mechanical functioning & effects of corrosion or mechanical deformation if any on parts of the connectors in the lanyard.
- n Withdraw from use any lanyard for which any doubt arises about its condition for safe use or in the event, a fall has been arrested by it.
  - n If the lanyard is used in a fall arrest system, it is advisable to connect only to the dorsal attachment D-Ring of the harness.
  - n If lanyard is used in fall arrest system, it is essential for safety that the anchor device or anchor point is always positioned, and the work carried out in such a way, as to minimize both the potential for falls and potential fall distance. Ensure that the anchor point is above the user's head.
  - n Only a full body harness complying to EN 361:2002 shall be used as a body holding device within the fall arrest system.
  - n If used within fall arrest systems, it is essential to verify the free space required beneath the user at the work place before each occasion of use, so that, in the case of a fall, there will be no collision with the ground or other obstacles in the fall path.
  - n If the product is resold outside the original country of destination, the reseller shall provide instructions for use, for maintenance, for periodic examination and for repair in the language of the country in which the product is to be used.
  - n Ensure the Medical condition of the user does not affect his safety in normal and emergency use.
  - n A rescue plan shall be in place to deal with any emergencies that could arise during the work.
  - n It is essential for the safety of the user that if a product is re-sold outside the original country of destination the reseller shall provide instructions for use for maintenance, for periodic examination and for repair in the language of the country in which the product is sold.
  - n The equipment shall not be used outside its limitation, or for any purpose other than that for which it is intended.
  - n The device should be used with appropriate combinations only. The user should not make any combination which compromises safe function of any other devices used in combination or entire fall protection system or rescue system.

#### **INSTRUCTIONS FOR MAINTENANCE:**

**Cleaning Procedure:** In case of minor soiling, wipe the lanyard with cotton cloth or a soft brush. Do not use any abrasive material. For intensive cleaning wash the lanyard in water at a temperature not more than 40°C using a neutral detergent (pH7). Do not use acid or basic detergents.

**Drying Procedure:** If the lanyard becomes wet, either from by in use or when due to cleaning, it should be allowed to dry naturally and shall be kept away from direct heat.

**Storage Procedure:** When not in use, store the lanyard in a well-ventilated area away from extremes of temperature. Never place heavy items on top of it. If possible, avoid excessive folding and preferably store it hanging vertically. If the product is wet, allow it to dry fully before placing it into storage.

**LIFE SPAN:** The expected life span of the lanyard is 10 years but inspection before each use is compulsory. The life span greatly depends upon the conditions of usage of the product.

#### **PERIODIC EXAMINATION:**

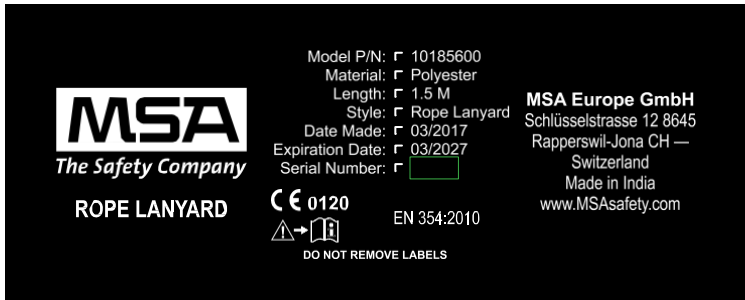
- n The lanyards need to periodically examined because the safety of the user depends upon the continued efficiency & durability of the lanyard.
- n It is important to examine it at least once in every 12 months.
- n Periodic examination is to be conducted by a competent person and strictly in accordance

- with the manufacturer's periodic examination procedures.
- n Periodic examination also requires checking the legibility of the product markings.

**INSTRUCTIONS FOR REPAIR:**

If the product becomes damaged, it will NOT provide the optimum level of protection, and therefore it should be immediately either replaced or repaired. Never use the damaged product. Repairing is permitted, provided that it is either done by the manufacturer or a competent repair centre or individual approved by the manufacturer.

**MARKING**



The Energy Absorber is marked with:

- n The CE mark showing that the product meets the requirements of the PPE Directive 89/686/EEC Identification of the manufacturer
- n Type or product code
- n Lot Number
- n Serial Number
- n Year of Manufacture

**HOW TO DISPOSE A LANYARD:**

When the lanyard becomes unfits or in case of any wear and tear, dispose the lanyard immediately.

**Follow the steps for Disposal:**

- n Make the three plastic crates namely- Textile, Metal & Plastic for placing the respective components of the lanyard.
- n Spread the lanyard on a table / flat surface.
- n Inspect the wear & tear present on the lanyard.
- n If any wear and tear is observed, dispose the lanyard using a sharp scissor; first cut the Textile and dismantle the lanyard.
- n Put the Textile, Plastic & Metal components in their respective plastic crates.

**EXAMINATION RECORD:**

It is recommend that for every periodic examination carried out, the observations should be recorded below.

### CHECK CARD

It is recommended that the lanyard be inspected and examined by a competent person for any damages or failures if the need arises, but at least once a year. The observations should be recorded in the table below. In case such damages are observed, the lanyard should be replaced immediately.

The lanyard shall only be used within a work positioning system according to EN 354:2010. The instructions for use for the individual components are to be observed.

#### SERVICE and INSPECTION RECORD

SERIAL NUMBER:	
MODEL NUMBER:	
DATE PURCHASED:	DATE OF FIRST USE:

INSPECTION DATE:	INSPECTIONS ITEMS NOTED	CORRECTIVE ACTION	MAINTENANCE PERFORMED
Approved by:			
Approved by:			
Approved by:			
Approved by:			
Approved by:			
Approved by:			
Approved by:			
Approved by:			
Approved by:			



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