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**Manufacturer's Instructions, Service and Maintenance Notice ("User Instructions").
Wire Rope Lanyards
(EN 354:2010) / Transportable Temporary Anchor
(EN 795:1996 Type b + A1 2000).**

EN: Warning! Working at height, rock climbing, mountaineering and related activities are inherently dangerous. It is the responsibility of any person using this equipment to learn and practice the proper techniques for use of the equipment for its designated purposes safely and to foresee and take appropriate action in situations where rescue may be required. Even the correct use of equipment and techniques may result in fatal consequences. Medical conditions can affect the safety of the equipment user in normal and emergency use. Any person using this equipment assumes all risks and full responsibility for all damages or injury which may result from the use of it. It is impossible to cover all methods of use. The following instructions and pictograms show some of the common correct and incorrect methods of use; it is impossible to predict them all. There is no substitute for instruction by a trained and competent person.

IMPORTANT: Please read and understand this information before use and retain this information for future reference. If In doubt, please ask! Prior to use the user is obliged to ensure that the following information is completed.

Issued To (Users Name) :		Date of Issue :	Date First Used :	
Date Inspected	Comments / Action		Pass ? (Yes / No)	Signature

General Information :

- 1.1 Product code SPWSxx(x) (manufactured using galvanised steel wire in conformance with BS EN 12385:2002 + A1 2008 assembled with aluminium end terminations & ferrules) available in various lengths (see 1.2) designed for use in fall arrest systems classified as follows:-
 - (a) **Non Adjustable Lanyard:** in accordance with **EN 354:2010:** Personal Protective Equipment against Falls from a Height, Non Adjustable Lanyards.
 - (b) **Transportable Temporary Anchor:** in accordance with **EN 795(b):1996 + A1 2000:** Personal Protective Equipment Against Falls from a Height, specifically class B (Transportable Temporary Anchor).
- 1.2 **Standard lengths available are:-**

Standard Model Number	Length ± 1.5 cm	Conforms with...
SPWS0035	35 cm	(1.1a) and (1.1b) above
SPWS005	50 cm	(1.1a) and (1.1b) above
SPWS010	100 cm	(1.1a) and (1.1b) above
SPWS015	150 cm	(1.1b) above (Important: see also 13.2a below)
SPWS020	200 cm	(1.1b) above (Important: see also 13.2a below)

Please contact DMM if other non-standard lengths are required.

2. This product may be used in conjunction with any appropriate item of Personal Protective Equipment (PPE) relevant to European Union Directive 89/686/EEC. It may be acceptable for use in other applications, please consult your supplier.
3. Immediately before every use, visually/functionally inspect to insure that the product is in a serviceable condition and operates correctly. (See 12.1 Lifespan). We recommend a thorough inspection at least once every 6 months (more frequently in the event of heavy or prolonged use, heavy soiling, etc.) by a competent person (this may be the manufacturer). This inspection should be recorded on the inspection form supplied. This inspection should be recorded on the inspection form supplied. See also (8.) below.
4. **Personal Issue:** this product may be issued for personal use, and may be used either separately or as part of a system.
5. Lives depend on your equipment. The user should be aware of its history (use, storage, inspection etc.). If this equipment is not for personal use (e.g. used in mountaineering centres), we strongly recommend a systematic approach to record keeping. This should always be carried out by a competent person.
6. **WARNING:** if you are in any doubt whatsoever about the safe condition of this product **REPLACE IT IMMEDIATELY.**
7. **WARNING:** If the product has been used to arrest a fall, a thorough examination should be made by a competent person to ascertain its suitability for continued use. If in doubt it should immediately be withdrawn from use, destroyed and replaced.
8. Ensure that the instructions for other components used in conjunction with this product are complied with. It is the user's responsibility to ensure that he/she understands the correct and safe use of this product. A full risk assessment must be carried out by a trained & competent person before use. Please consult your supplier or the manufacturer if in doubt.
9. This product is designed for use in normal climatic conditions (-40°C - +50°C). It may be suitable for other conditions, please consult your supplier.
10. No responsibility will be accepted by DMM for damage, injury or death resulting from misuse. If in doubt contact your supplier or DMM.
11. No special transportation precautions are necessary; however, avoid all contact with chemical reagents or other corrosive substances. If in doubt it should immediately be withdrawn from use, destroyed and replaced.
12. Care must be taken to avoid loading this product over edges and other obstructions. Check the anticipated orientation during loading before use.
13. **Specific Information:**
 - 13.1 **Non Adjustable Lanyard: in accordance with EN 354:2010:** Personal Protective Equipment against Falls from a Height, Lanyards and **Transportable Temporary Anchor: in accordance with EN 795 (b):1996 + A1 2000:** Personal Protective Equipment against Falls from a Height, class B (Transportable Temporary Anchor).
 - 13.2 This device is designed for individual use. **Personal Issue:** this product may be personal issue either separately or a part of a system issued to the user.
 - (a) **EN354:2010 use:** the total length of the sub system of which this **Non Adjustable Lanyard** forms part [including lanyard, energy absorber & connector(s), etc] must not exceed 2m in length. A lanyard must **NOT** be used without an energy absorber in or as a fall arrest system.
 - (b) The **Non Adjustable Lanyard** must be used with an energy absorber conforming with EN 355:2002. Ensure that there is no slack in the lanyard system during use. Lanyard systems must not be used in parallel (i.e. side by side) & there must be sufficient distance between users & other obstructions in order to avoid collision, pendulum swings or other fall hazards during use. Check & take appropriate precautions in the event of use where electrical conductivity may occur.
 - (c) **Anchorage Point:** the anchorage point of the fall arrest system of which this lanyard sub system forms part should be above the position of the user & have a minimum anchorage strength of 10 kN.
 - (d) **Minimum breaking strength:** the minimum breaking strength of these models is 24 kN. Each model will hold a static load of 15kN for a minimum 3 minutes as per the relevant reference standard as detailed in (1.) above. If in doubt please consult the relevant reference standard or the supplier/manufacturer.
 - (e) **Positioning of the anchorage point** is crucial for safe fall arrest & this must take into account the anticipated fall distance including rope stretch, the deployment of the energy absorber & the length of the lanyard & connectors so that obstructions (such as the ground) may be safely avoided. See also (13.2b) above.
14. **Maintenance and Servicing**

This product must not be marked, modified or repaired by the user unless authorised by DMM.

Note: this product is not user maintainable with the exception of the following:

 - 14.1. **Disinfection:** disinfect using a disinfectant containing quaternary ammonium compounds reinforced with chlorohexidine (e.g. Savlon) in sufficient quantities to be effective. Soak the product for 1 hour at dilutions recommended for general use using clean water as per (14.2) not exceeding 25°C then rinse thoroughly as per (14.2).
 - 14.2. **Cleaning:** if soiled rinse in clean warm water of domestic supply quality (maximum temperature 25°C) with mild detergent at appropriate dilution (pH range 5.5 - 8.5). Thoroughly rinse and dry naturally in a warm ventilated room away from direct heat. Important: Cleaning is recommended after every use in a marine environment.
 - 14.3. The product may also be cleaned with mineral spirits e.g. White Spirit. Do not soak. The product must then be cleaned as 14.2.
- 15.4. **Lubrication:** this product does not require lubrication.

15.5. Storage: after any necessary cleaning store unpacked in a cool, dry, dark place in a chemically neutral environment away from excessive heat or heat sources, high humidity, sharp edges, corrosives or other possible causes of damage. Do not store wet.

16. Lifespan and Obsolescence.

16.1. Lifespan: this is the maximum life of the product, subject to detailed conditions, that the Manufacturer recommends that the product should remain in service.

Maximum Lifespan: Textile & Plastic Products – 10 years from date of manufacture. Metal Products – no time limit.

Note: This may be as little as one use, or even earlier if damaged (e.g. in transit or storage) prior to first use. For the product to remain in service it must pass a visual and tactile inspection when considering the following criteria: fall arrest, general wear, chemical contamination, corrosion, mechanical malfunction/ deformation, cracks, loose rivets, loose strands of wire, frayed and/or bent wire, heat contamination (over normal climatic conditions), cut stitching, frayed tape, degradation of tape and/or thread, loose threads in tape, prolonged exposure to U.V., clear and readable marking (e.g. marking, batch reference, individual serial numbers etc).

Where such products are permanently attached to other products in a system, please refer to the manufacturer recommendations of the complete system.

16.2. Obsolescence: a product may become obsolete before the end of its lifespan. Reasons for this may include changes in applicable standards, regulations, legislation, development of new techniques, incompatibility with other equipment etc.

17. European Union Type Examination: EU type examination for this product is carried out by Notified Body No. 0120: S.G.S. (UK) Ltd., Worle Parkway, Weston-Super-Mare, Somerset, BS22 6WA, U.K.

18. Explanation of Markings:-

Dragon Logo & DMM Wales: name of manufacturer/country of origin.

XXkN: strength rating

Length: the length of this model (lanyard/anchor) excluding connectors, energy absorbers & other equipment (NB: see also 1.2 & 10 above).

0120CE: CE mark (notified body number and the CE mark).

MCA - traceable 3 letter batch code, where M = the year of manufacture (2000 = A, 2001 = B, etc), C = DMM, A = January, B = February, etc . This information is dot marked on one ferrule.



! Book Pictogram: reminder that the end user should read & understand these instructions & the instructions supplied with other items of PPE to be used in conjunction with this product.

Product Code: as per standard lengths as (1.2) above or non standard lengths as negotiated.

EN 354:2010 &/or EN 795(b):1996: standards to which this product conforms

Information: on label for EN 354:2010 Non Adjustable Lanyards regarding the maximum permissible length of the lanyard including connectors, etc not to exceed 2 m (see also 1.2 & 13 above).

Guarantee - DMM guarantees this product for 3 years against any defects in materials or manufacture. The guarantee does not cover this product for normal wear through usage, incorrect storage, poor maintenance, accidental damage, negligence, any modifications or alterations, corrosion, or for any usage for which the product was not designed.