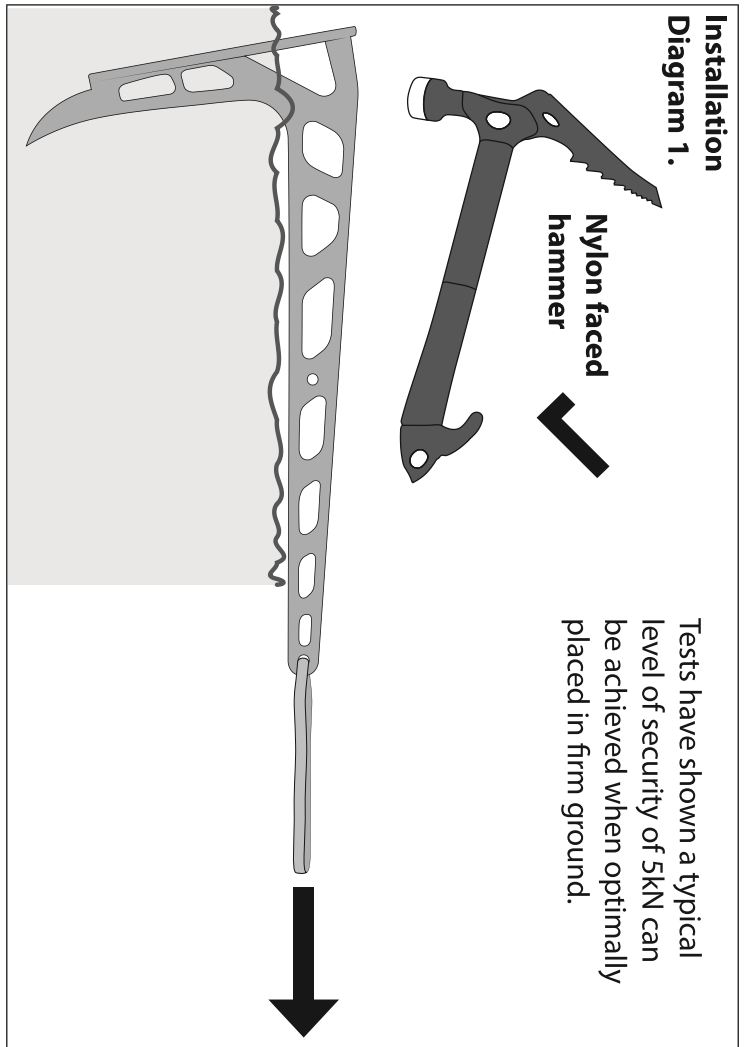


**Installation  
Diagram 1.**

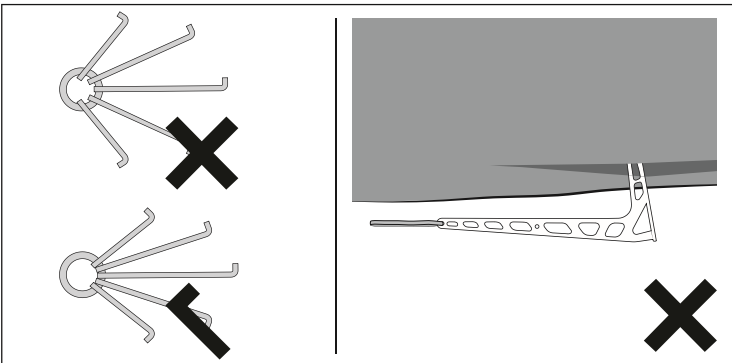
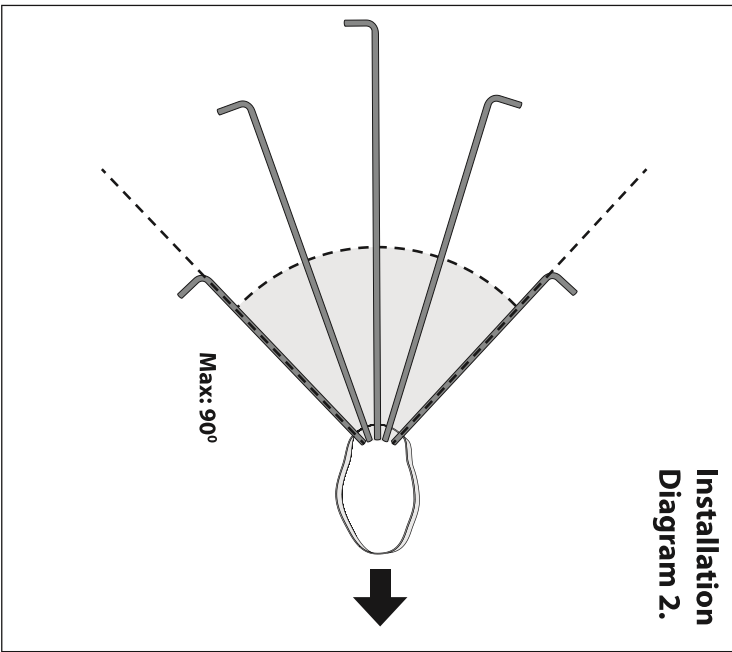
**Nylon faced  
hammer**

Tests have shown a typical level of security of 5kN can be achieved when optimally placed in firm ground.



**Installation  
Diagram 2.**

**Max: 90°**



**Talon Ground Anchor**

THESE INSTRUCTIONS MUST BE READ AND UNDERSTOOD BEFORE THE EQUIPMENT IS USED. Please retain this information for future reference.

**F507/QA/01/June.2015**

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Prior to use the user is obliged to complete the following information - User's name; place of purchase; date of purchase; date first used.

Date + Place of purchase, Model Code, Batch Number, Date first used.

Date inspected	INSPECTION FORM Comments/Actions	PASS? (Yes/No)	Signature
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....

**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.**

#### **USER INSTRUCTIONS**

**IMPORTANT: Please read and understand this information before use, and retain this information for future reference.**

#### **General Information:**

1. These instructions cover the use of DMM Talon Ground Anchors. If in doubt please contact your supplier or DMM.
2. This product must not be used for Fall Arrest.
3. Immediately before use, visually/functionally inspect to ensure that this product is in a serviceable condition and operates correctly. This inspection should be recorded on the inspection form supplied. We recommend a thorough inspection at least once every 6 months by a competent person (this may be the manufacturer).
4. Risks must be assessed before installing this product. This must include the strength and suitability of the ground to which the product is installed. This is critical for the security and function of the product and the user.
5. Lives depend on your equipment. The user should be aware of its history (use, storage, inspection etc.). 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 about the safe condition of this product, replace it immediately.
7. 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.
8. 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.
9. No responsibility will be accepted by DMM for damage, injury or death resulting from misuse. If in doubt contact your supplier or DMM.
10. No special transportation precautions are necessary; however, avoid all contact with chemical reagents or other corrosive substances.
11. Care must be taken to avoid loading this product over edges and other obstructions. Check the anticipated orientation during loading before use.
12. **Anchors:** the user is advised that the security of any ground anchorage point (belay) cannot be guaranteed as safe and therefore good judgment by the user is a necessity in order to obtain adequate protection.

#### **13. Installation**

**IMPORTANT:** We strongly recommend that the user practices placement techniques in a controlled and safe environment before using these products in real life situations.

- 13.1 The security of any ground anchor must be treated with extreme caution. This type of anchor must only be used when no other form of anchor is available. The security of this type of anchor is completely dependent on the ability of the ground to hold the ground anchor in place under the forces that may be generated.
- 13.2 Consolidated firm and dry ground will give a higher level of security when compared with unconsolidated soft and wet ground, which may give no security at all.
- 13.3 Hammer the product fully into the ground using a nylon faced hammer in a pattern and orientation as shown in Diagrams 1. & 2. A metal faced hammer will damage the product. All 5 components must be hammered into the ground. Components may have to be repositioned if immovable objects (such as rocks) are encountered.
- 13.4 Mass (e.g. rocks) may be added directly on top of the product to increase security.
- 13.5 The use of multiple units, when equalised, will increase the level of security. We recommend that each unit be at least one metre distance from any other unit.
- 13.6 The product must **ONLY** be attached to other elements by the Dyneema sling provided.
- 13.7 Carefully pre load the product to ensure it is securely located.
- 13.8 This product **MUST NOT** be disassembled, and the components used separately.

#### **14. Maintenance and Servicing.**

This product must not be marked, modified or repaired by the user unless authorised by DMM. DMM offer a component replacement service; please contact DMM for details.

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 **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.

#### **15. Lifespan and Obsolescence.**

**15.1 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.).

**15.2 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.

#### **16. Explanation of Markings.**

**DMM Wales UK** - Name of manufacturer/country of origin.

**Talon/gfas** – Product name and code.

**YRDAYXXXX#** - Year/Day of manufacture and individual serial number.



**Book Pictogram** - reminder that the end user should read & understand these instructions.

**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.