



Response® Static Rescue Line Care & Usage Guidelines

Overview:

- The practice of static descent for the purpose of sport, industrial or rescue usage, does involve inherent dangers emerging from techniques or technical application or the impinging of external factors. Donaghys' products are manufactured to the highest quality and certified standards as labeled, however correct and proper care, storage and use in conjunction with certified hardware is imperative to enhancing safety in use. The following guidelines are important for correct use, but can never replace experience, responsibility and knowledge of possible dangers. Full responsibility in all respects relating to the use of the product rests with the user. In no event will Donaghys be liable in the event of any departure from the prudent application of these guidelines.

Inspection Criteria:

- External wear. Multifilament braids develop fur/pile on the surface as a result of friction & abrasion. This is normal & forms a protective barrier to the main body of the jacket yarns initially. Excessive wear is indicated by several yarn filamentation or breakage either distorting the round profile of the braid, breaking yarns or exposing the core materials through the jacket. Note; certified Kernmantle braids must have a contrasting colour core to jacket to assist this inspection. In the event of significant jacket wear the braid must be retired immediately.
- Internal wear. Dirt, grit or other foreign matter may penetrate between the core and the jacket constructions, Examination must be undertaken carefully being mindful not to buckle or distort fibres in this process which may cause problems later. The presence of large quantities of fibre dust in the centre of the rope indicate that replacement is due.
- Chemical or sunlight attack. Degenerative contamination can occur where synthetic fibre (Polyamide Nylon for abseil Braid) through accidental exposure to chemicals that interact with the fibre. Nylon is sensitive to strong oxidizing agents & mineral acids. It is soluble in formic acid, concentrated sulfuric acid and phenolic compounds. Examination should determine whether any areas of fusion or carbonization are present. If in doubt, discard the braid.
- The entire length of the rope should be carefully inspected prior to and at completion of every use.

Protective Measures:

- Always clean braids subsequent to use with non halogenic mild detergent. Drying is best achieved in a cool, shaded area with healthy air circulation.
- Always store, transport and contain braids in a dustproof, strong storage bag which is impervious to light.
- Always use Kernmantle Static Abseil Braids only for the purpose they have been designed and intended.
- It is good practice to maintain a braid history/usage log to assist in determining a responsible retiring date on aged product.
- Shelf life for Polyamide Nylon Kernmantle Braid is estimated as a maximum of 10 years when stored in a cool, dry & UV light excluded environment. There must be no exposure to chemicals or fumes. In the event of limited casual usage an estimated 6 years would apply where no significant wear is evident, internally or externally of the braid. Further use up to 10 years may be practical where the jacket is still in complete and well preserved condition subject to diligent care & maintenance inspections at each use & good knowledge of the usage history of the said rope.
- All Nylon yarns used in the manufacture of Response® Abseiling Braids and light (UV) stabilized and Xenon Light (accelerated) UV tested for comparative and suitability purposed by our ISO accredited supplier.

Certification:

- The technical requirements of AS4142.3:1993 & EN1891:1998 are comprehensively detailed in Donaghys Response® Technical Brochure which should be read in conjunction with these guidelines.