

INSPECTION INSTRUCTION

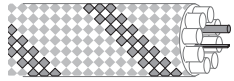
2. ROPE

applies to EN 1891, EN 892, EN 564

Kernmantle design:



Permanent marking for ropes as per EN 1891 (low stretch kernmantle ropes)



EN 1891:
Tracer threads with internal marking in core; see summary of standard for details

Marking for different rope types as per EN 892 (dynamic ropes)



From left to right:
1. Single ropes for use as one strand; e.g. for sport climbing
2. Half rope to be used as a pair; e.g. alpine climbing
3. Twin rope for use in a pair; e.g. alpine climbing

Sheath colour

Ropes compliant with EN 892 normally have a sheath of three or more colours.
Ropes compliant with EN 1891 normally have a sheath of one or two colours.

Diameter

Ropes compliant with EN 1891 Type B have a diameter from 9 mm to 10 mm. Type A ropes have a diameter from 10 mm to 13 mm. They are often sold by the metre, rather than as coiled and packaged ropes.
Ropes compliant with EN 892 are available as twin ropes with a diameter from 6.9 mm to 8.0 mm and as half ropes with a diameter from 7.3 mm to 9.0 mm and as single ropes with a diameter from 8.5 mm to 11 mm. Many EN 892 ropes now have several types of certification.

LABELLING

Labelling is available, clearly legible; max. lifespan has not been exceeded.



Labelling ok



Tracer threads legible (EN 1891)

Inspection of the labelling includes as follows:
1. Product identification;
2. Date of manufacture

ELEMENT OK

The manufacturer's user manual (UM) for the product includes its service life and usage period which must be checked.

Labelling is not available and/or the max. lifespan been exceeded.



Not legible (EN 1891)



Not available (EN 892)

The technical data sheet can be used as prove of origin. It can be also give important information when the label on the rope itself is missing.

WITHDRAW PRODUCT

The product may not be returned for use without legible labelling.

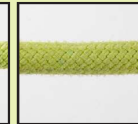
ROPE

Visual-/functional inspection

The product functions perfectly and only shows normal signs of use.



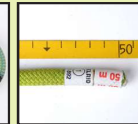
Sheath ok



Sheath slightly furry



Middle marking correct



Length as specified

PRODUKT OK



YES
- Document inspection

- Approve product for further use

Haptic inspection

The product has faults. Some of these can be repaired by trained personnel. Afterwards the product can be used again.



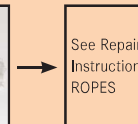
Renew middle marking



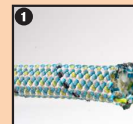
Slight damage to sheath



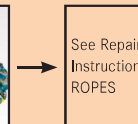
Sheath slippage
- sheath is shorter -



See Repair Instructions for ROPES



Sheath slippage
- core is shorter -



See Repair Instructions for ROPES

DOCUMENT

Visual-/functional inspection

Product cannot be repaired. Product must be withdrawn from use.



Cuts
- core is visible -



Melting
- core is visible -



Discolouration



Bulges



Stiff/soft spots



Serious sheath damage

WITHDRAW PRODUCT